DX200
MAINTENANCE MANUAL

Upon receipt of the product and prior to initial operation, read these instructions below thoroughly, and retain for future reference.

This instruction consists of
MOTOMAN INSTRUCTIONS

MOTOMAN-□□□ INSTRUCTIONS
DX200 INSTRUCTIONS
DX200 OPERATOR'S MANUAL (for each purpose)
DX200 MAINTENANCE MANUAL

The DX200 operator's manuals above correspond to specific usage. Be sure to use the appropriate manual.

Part Number: 165293-1CD
Revision: 6

YASKAWA
MOTOMAN ROBOTICS

MANUAL NO.
RE-CHO-A113 ⑧

MANDATORY

- **This manual explains maintenance procedures of the DX200 system. Read this manual carefully and be sure to understand its contents before handling the DX200.**
- **General items related to safety are listed in Chapter 1: Safety of the DX200 INSTRUCTIONS. To ensure correct and safe operation, carefully read the DX200 Instructions before reading this manual.**

CAUTION

- **Some drawings in this manual are shown with the protective covers or shields removed for clarity. Be sure all covers and shields are replaced before operating this product.**
- **The drawings and photos in this manual are representative examples and differences may exist between them and the delivered product.**
- **YASKAWA may modify this model without notice when necessary due to product improvements, modifications, or changes in specifications. If such modification is made, the manual number will also be revised.**
- **If your copy of the manual is damaged or lost, contact a YASKAWA representative to order a new copy. The representatives are listed on the back cover. Be sure to tell the representative the manual number listed on the front cover.**
- **YASKAWA is not responsible for incidents arising from unauthorized modification of its products. Unauthorized modification voids your product's warranty.**

Notes for Safe Operation

Read this manual carefully before maintenance or inspection of the DX200.

In this manual, the Notes for Safe Operation are classified as “DANGER”, “WARNING”, “CAUTION”, “MANDATORY”, or “PROHIBITED”.

 DANGER	Indicates an imminent hazardous situation which, if not avoided, could result in death or serious injury to personnel.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to personnel.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury to personnel and damage to equipment. It may also be used to alert against unsafe practices.
 MANDATORY	Always be sure to follow explicitly the items listed under this heading.
 PROHIBITED	Must never be performed.

Even items described as “CAUTION” may result in a serious accident in some situations.

At any rate, be sure to follow these important items.

To ensure safe and efficient operation at all times, be sure to follow all instructions, even if not designated as “DANGER”, "WARNING" and "CAUTION".

WARNING

- **Before operating the manipulator, check that servo power is turned off when the emergency stop buttons on the front door of the DX200 and programing pendant are pressed.**
  When the servo power is turned off, the SERVO ON LED on the programing pendant is turned off.

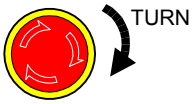
Injury or damage to machinery may result if the emergency stop circuit cannot stop the manipulator during an emergency. The manipulator should not be used if the emergency stop buttons do not function.

Figure 1: Emergency Stop Button

- **Once the emergency stop button is released, clear the cell of all items which could interfere with the operation of the manipulator. Then turn the servo power ON.**

Injury may result from unintentional or unexpected manipulator motion.

Figure 2: Release of EM



- **Observe the following precautions when performing teaching operations within the P-point maximum envelope of the manipulator:**
  - Be sure to use a lockout device to the safeguarding when going inside.
    Also, display the sign that the operation is being performed inside the safeguarding and make sure no one closes the safeguarding.
  - View the manipulator from the front whenever possible.
  - Always follow the predetermined operating procedure.
  - Keep in mind the emergency response measures against the manipulator's unexpected motion toward you.
  - Ensure that you have a safe place to retreat in case of emergency.

Improper or unintended manipulator operation may result in injury.

- **Confirm that no person is present in the P-point maximum envelope of the manipulator and that you are in a safe location before:**
  - Turning on the power for the DX200.
  - Moving the manipulator with the programming pendant.
  - Running the system in the check mode.
  - Performing automatic operations.

Injury may result if anyone enters the working envelope of the manipulator during operation. Always press an emergency stop button immediately if there are problems.

The emergency stop button is located on the right of the front door of the DX200 and programing pendant.

CAUTION

- **Perform the following inspection procedures prior to conducting manipulator teaching. If problems are found, repair them immediately, and be sure that all other necessary processing has been performed.**
  - Check for problems in manipulator movement.
  - Check for damage to insulation and sheathing of external wires.
- **Always return the programming pendant to the hook on the DX200 cabinet after use.**

The programming pendant can be damaged if it is left in the P-point maximum envelope of the manipulator, on the floor, or near fixtures.

- **Read and understand the Explanation of Warning Labels in the DX200 Instructions before operating the manipulator.**

Definition of Terms Used Often in This Manual

The MOTOMAN manipulator is the YASKAWA industrial robot product.

The MOTOMAN usually consists of the controller, the programming pendant, and supply cables.

In this manual, the equipment is designated as follows.

Equipment	Manual Designation
DX200 Controller	DX200
DX200 Programming Pendant	Programming Pendant
Cable between the manipulator and the controller	Manipulator cable

Descriptions of the programming pendant keys, buttons, and displays are shown as follows:

Equipment		Manual Designation
Programming Pendant	Character Keys /Symbol Keys	The keys which have characters or its symbol printed on them are denoted with [ ]. ex. [ENTER]
	Axis Keys /Numeric Keys	[Axis Key] and [Numeric Key] are generic names for the keys for axis operation and number input.
	Keys pressed simultaneously	When two keys are to be pressed simultaneously, the keys are shown with a “+” sign between them, ex. [SHIFT]+[COORD]
	Displays	The menu displayed in the programming pendant is denoted with { }. ex. {JOB}

Description of the Operation Procedure

In the explanation of the operation procedure, the expression "Select • • • " means that the cursor is moved to the object item and the SELECT key is pressed, or that the item is directly selected by touching the screen.

Registered Trademark

In this manual, names of companies, corporations, or products are trademarks, registered trademarks, or brand names for each company or corporation. The indications of (R) and TM are omitted.

Explanation of Warning Labels

DANGER

- **The label described below is attached to the manipulator.**

Observe the precautions on the warning labels.

Failure to observe this caution may result in injury or damage to equipment.

Figure 3: Warning Labels

WARNING Label A:

WARNING Label B:

- **The following warning labels are attached to DX200.**

Observe the precautions on the warning labels.

Failure to observe this warning may result in injury or damage to equipment.

Figure 4: Location of Warning Labels

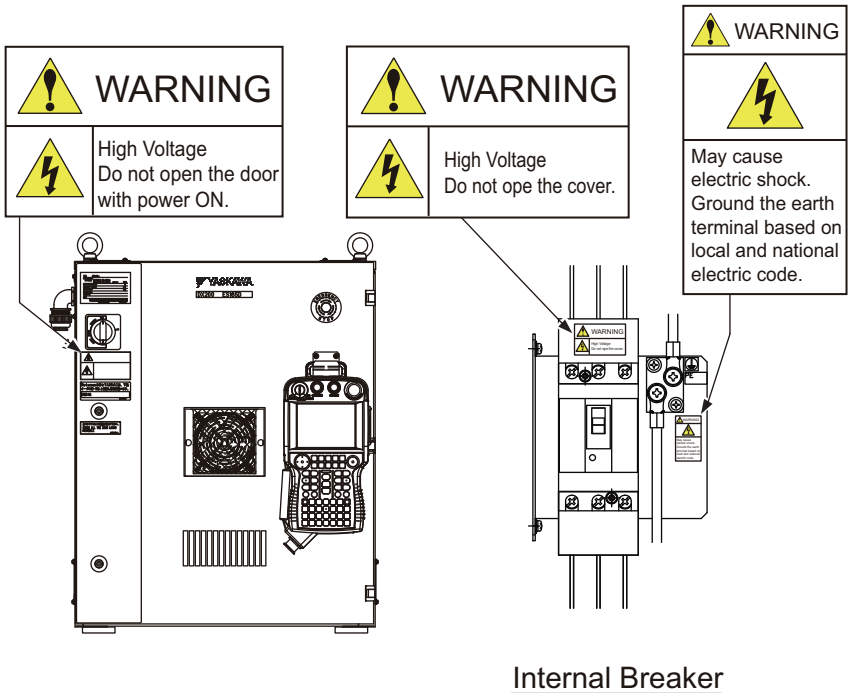


Table of Contents

1 Equipment Configuration

The DX200 is comprised of individual units and modules (circuit boards). Malfunctioning components can generally be easily repaired after a failure by replacing a unit or a module. This section explains the configuration of the DX200 equipment.

SUPPLE-MENT For the models not described in this manual, refer to the DX200 instructions supplement.

1.1 Arrangement of Units and Circuit Boards

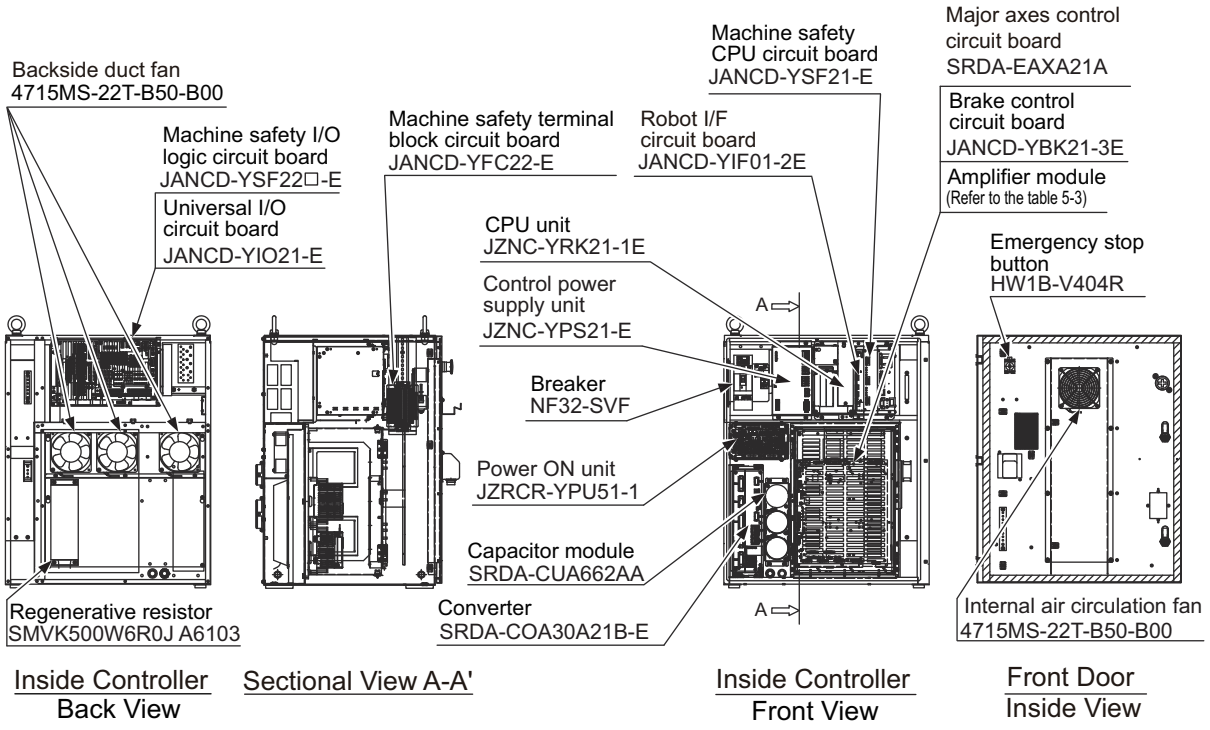
1.1.1 Arrangement

The arrangements of units and circuit boards in small-capacity, medium-capacity, and large-capacity DX200s are shown.

NOTE Appendix replaces section 1.1 “Arrangement of Units and Circuit Boards.” if your DX200 is built in the United States

1.1.1.1 Small-Capacity DX200 Controller

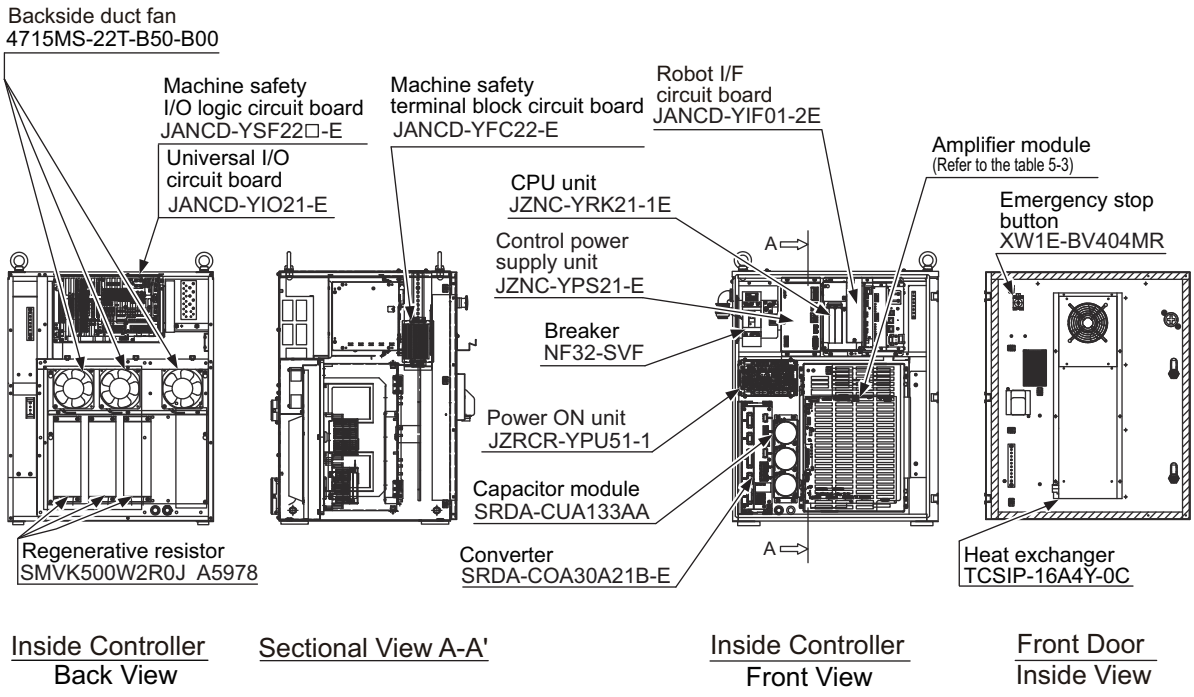
Fig. 1-1: Configuration for Small Capacity



Model	DX200
MA1440	ERER-MA1440/MH12-A00
MH12	

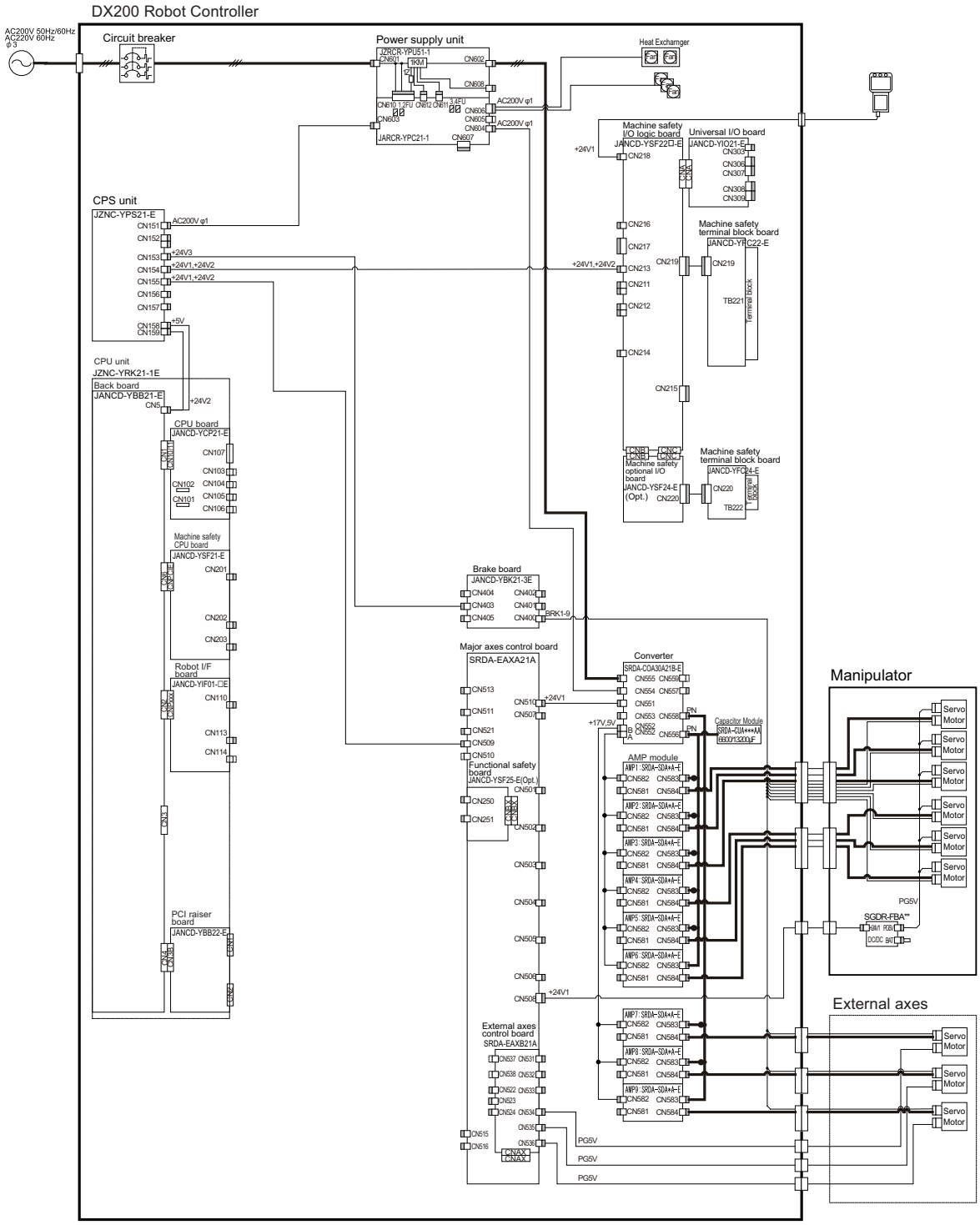
1.1.1.2 Medium and Large-Capacity DX200 Controller

Fig. 1-2: Configuration of Medium and Large Capacity DX200 -A Controller (Standard)



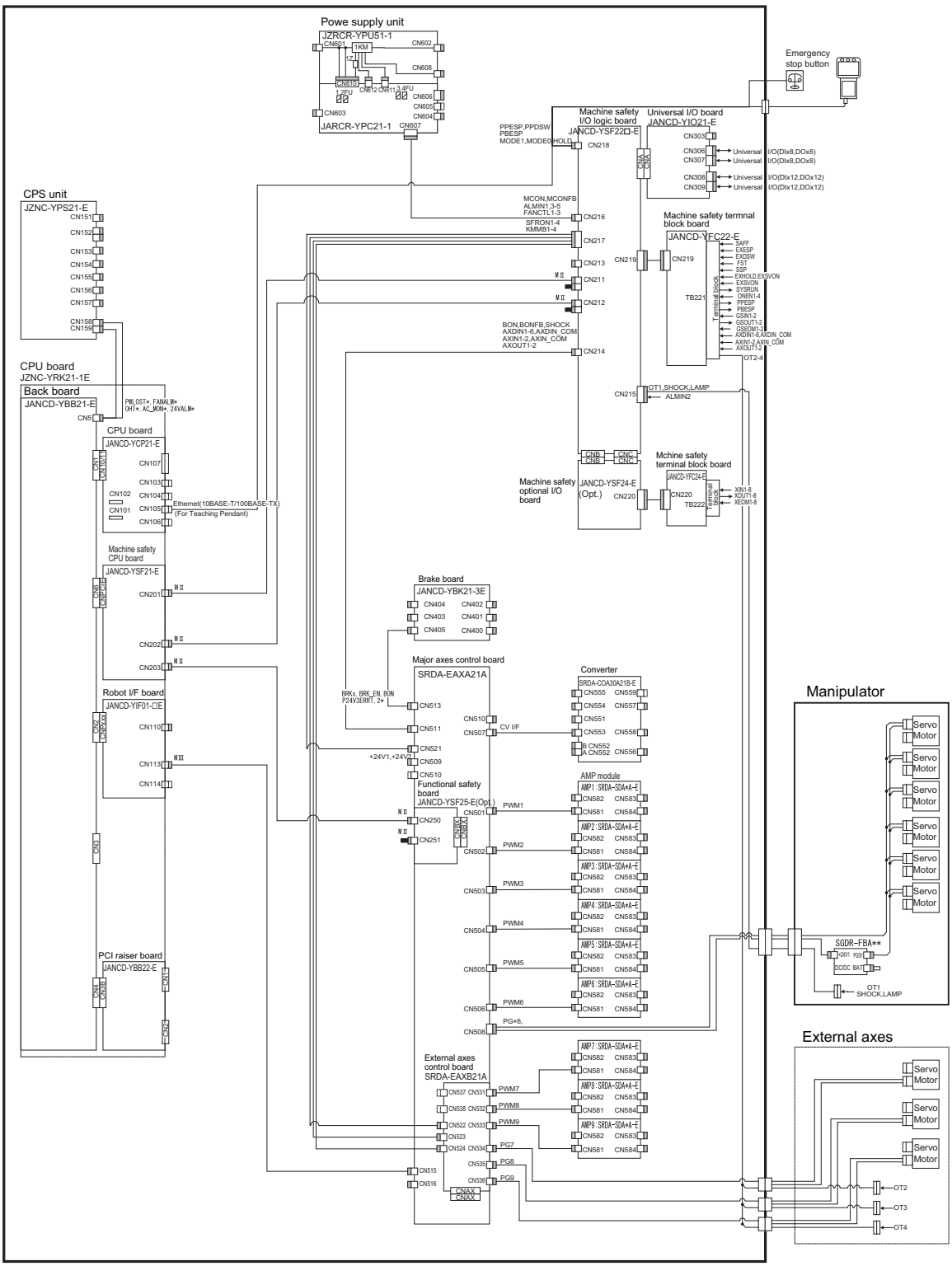
Model	DX200
MS210	ERER-MS210/MH225-A00
MH225	
MS165	ERER-MS165/MH180-A00
MH180	

1.2 Power Flow



1.3 Signal Flow

DX200 Robot Controller



2 Security System

2.1 Protection Through Security Mode Settings

The DX200 modes setting are protected by a security system. The system allows operation and modification of settings according to operator clearance. Be sure operators have the correct level of training for each level to which they are granted access.

2.1.1 Security Mode

There are five security modes “operation mode, editing mode, management mode, safety mode and one time manage mode”. Editing mode, management mode and safety mode require a user ID.
For the editing mode and the management mode, the user ID should be 4 or more and 16 or less characters with number(s) and symbol(s). As for the safety mode, it should be 9 or more and 16 or less characters with number(s) and symbol(s).

(Significant numbers and symbols: “0 to 9”, “-”, “.”.)

Operating the one time manage mode requires to enter the security code, which is issued by YASKAWA sales representative.

Table 2-1: Security Mode Descriptions

Security Mode	Explanation
Operation Mode	This mode allows basic operation of the robot (stopping, starting, etc.) for people operating the robot work on the line.
Editing Mode	This mode allows the operator to teach and edit jobs and robot settings.
Management Mode	This mode allows those authorized to set up and maintain robot system: parameters, system time and modifying user IDs.
Safety Mode	This mode allows the operator to setup the safety function, and able to edit the files related to the safety function. When the optional function “functional safety” is valid, the security is changed to the safety mode to edit the some files, such as the tool file. Refer to “DX200 OPTIONS INSTRUCTIONS FOR FUNCTIONAL SAFETY BOARD OPERATION (165988-1CD)” for more details.
One Time Manage Mode	This mode allows to operator to maintain the mode which is higher than the management mode. The loading limitation of the batch data (CMOS.BIN), the parameter batch data (ALL.PRM) and the functional definition parameter (FD.PRM) are removed.

Table 2-2: Menu & Security Mode (Sheet 1 of 4)

Main Menu	Sub Menu	Allowed Security Mode	
		DISPLAY	EDIT
JOB	JOB	Operation	Edit
	SELECT JOB	Operation	Operation
	CREATE NEW JOB[1)]	Edit	Edit
	MASTER JOB	Operation	Edit
	JOB CAPACITY	Operation	-
	RES. START (JOB)[1)]	Edit	Edit
	RES. STATUS[2)]	Operation	-
	CYCLE	Operation	Operation
	TRASH JOB LIST[3)]	Edit	Edit
	JOB EDIT (PLAY)	Edit	Edit
	PLAY EDIT JOB LIST	Edit	Edit
VARIABLE	BYTE	Operation	Edit
	INTEGER	Operation	Edit
	DOUBLE	Operation	Edit
	REAL	Operation	Edit
	STRING	Operation	Edit
	POSITION (ROBOT)	Operation	Edit
	POSITION (BASE)	Operation	Edit
	POSITION (ST)	Operation	Edit
	LOCAL VARIABLE	Operation	-
IN/OUT	EXTERNAL INPUT	Operation	Edit
	EXTERNAL OUTPUT	Operation	Edit
	UNIVERSAL INPUT	Operation	Operation
	UNIVERSAL OUTPUT	Operation	Operation
	SYSTEM INPUT	Operation	-
	SYSTEM OUTPUT	Operation	-
	RIN	Operation	-
	CPRIN	Operation	-
	REGISTER	Operation	Management
	AUXILIARY RELAY	Operation	-
	CONTROL INPUT	Operation	-
	PSEUDO INPUT SIG	Operation	Management
	NETWORK INPUT	Operation	-
	NETWORK OUTPUT	Operation	-
	ANALOG OUTPUT	Operation	-
	SV POWER STATUS	Operation	-
	LADDER PROGRAM	Management	Management
	I/O ALARM	Management	Management
	I/O MESSAGE	Management	Management
	TERMINAL	Operation	Edit
	I/O SIMULATION LIST	Management	Management
	SERVO ON FACTOR	Management	-
	SERVO OFF FACTOR	Operation	-

Table 2-2: Menu & Security Mode (Sheet 2 of 4)

Main Menu	Sub Menu	Allowed Security Mode	
		DISPLAY	EDIT
ROBOT	CURRENT POSITION	Operation	-
	COMMAND POSITION	Operation	-
	SERVO MONITOR	Management	-
	WORK HOME POS	Operation	Edit
	SECOND HOME POS	Operation	Edit
	DROP AMOUNT	Management	Management
	POWER ON/OFF POS	Operation	-
	TOOL	Edit	Edit
	INTERFERENCE	Management	Management
	SHOCK SENS LEVEL	Operation	Edit
	USER COORDINATE	Edit	Edit
	HOME POSITION	Management	Management
	MANIPULATOR TYPE	Management	-
	ANALOG MONITOR	Management	Management
	OVERRUN&S-SENSOR[1)]	Operation	Operation
	LIMIT RELEASE[1)]	Edit	Edit
	ARM CONTROL[1)]	Management	Management
	SHIFT VALUE	Operation	-
	SOFTLIMIT SETTING	Management	Management
	SHOCK SEN LV.(CURRENT)	Operation	-
SYSTEM INFO	VERSION	Operation	-
	MONITORING TIME	Operation	Management
	ALARM HISTORY	Operation	Management
	I/O MSG HISTORY	Operation	Management
	USER DEFINITION MENU	Operation	Edit
	SECURITY	Operation	Operation
EX.MEMORY	LOAD	Edit	-
	SAVE	Operation	-
	VERIFY	Operation	-
	DELETE	Operation	-
	DEVICE	Operation	Operation
	FOLDER	Operation	Management
	INITIALIZE[1)]	Operation	-

Table 2-2: Menu & Security Mode (Sheet 3 of 4)

Main Menu	Sub Menu	Allowed Security Mode	
		DISPLAY	EDIT
PARAMETER	S1CxG	Management	Management
	S2C	Management	Management
	S3C	Management	Management
	S4C	Management	Management
	A1P	Management	Management
	A2P	Management	Management
	A3P	Management	Management
	A4P	Management	Management
	A5P	Management	Management
	A6P	Management	Management
	A7P	Management	Management
	A8P	Management	Management
	RS	Management	Management
	S1E	Management	Management
	S2E	Management	Management
	S3E	Management	Management
	S4E	Management	Management
	S5E	Management	Management
	S6E	Management	Management
	S7E	Management	Management
	S8E	Management	Management
SETUP	TEACHING COND.	Edit	Edit
	OPERATE COND.	Management	Management
	OPERATE ENABLE	Management	Management
	FUNCTION ENABLE	Management	Management
	JOG COND.	Management	Management
	PLAYBACK COND.	Management	Management
	FUNCTION COND.	Management	Management
	DISPLAY COLOR COND.	Edit	Edit
	DATE/TIME	Management	Management
	GRP COMBINATION[2)]	Management	Management
	SET WORD	Edit	Edit
	RESERVE JOB NAME	Edit	Edit
	USER ID	Edit	Edit
	SET SPEED	Management	Management
	KEY ALLOCATION	Management	Management
	JOG KEY ALLOC.	Edit	Management
	RES. START (CNCT)	Management	Management
	AUTO BACK SET	Management	Management
	WRONG DATA LOG	Edit	Management
	ENERGY SAVING FUNCTION	Edit	Management
	ENCODER MAINTENANCE	Edit	Management
SAFETY FUNC.	M-SAFETY SIGNAL ALLOC	Operation	Management
	TIMER DELAY SET	Operation	Management
	SAFETY LOGIC CIRCUIT	Operation	Management

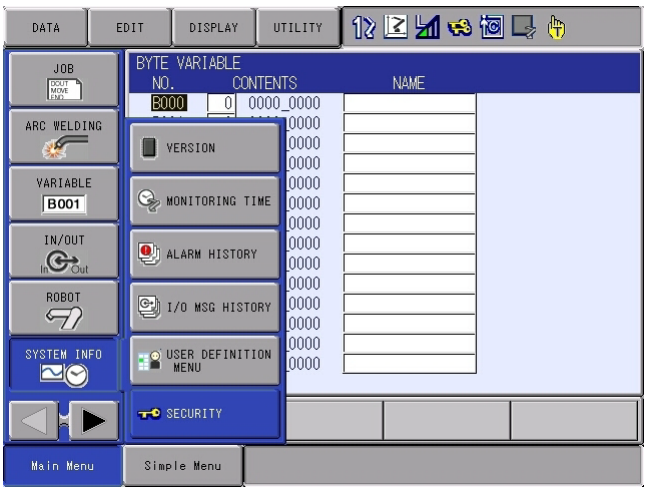
Table 2-2: Menu & Security Mode (Sheet 4 of 4)

Main Menu	Sub Menu	Allowed Security Mode	
		DISPLAY	EDIT
PM	PM (REDUCER)	Operation	Management
	INSPECTION RECORD	Operation	Management
DISPLAY SETUP	CHANGE FONT	Operation	Operation
	CHANGE BUTTON	Operation	Operation
	INITIALIZE LAYOUT	Operation	Operation
	CHANGE WINDOW PATTERN	Operation	Operation
ARC WELDING	ARC START COND.	Operation	Edit
	ARC END COND.	Operation	Edit
	ARC AUX COND.	Operation	Edit
	POWER SOURCE COND.	Operation	Edit
	ARC WELD DIAG.	Operation	Edit
	WEAVING	Operation	Edit
	ARC MONITOR	Operation	Edit
	ARC MONITOR (SAMPL)	Operation	-
	APPLI COND.	Management	Management
HANDLING	HANDLING DIAGNOSIS	Operation	Edit
SPOT WELDING	WELD DIAGNOSIS	Operation	Edit
	I/O ALLOCATION	Management	Management
	GUN CONDITION	Management	Management
	SPOT POWER SOURCE COND.	Management	Management
	APPLICATION CONDITION SETTING	Management	Management
SPOT WELDING (MOTOR GUN)	WELD DIAGNOSIS	Operation	Edit
	GUN PRESSURE	Edit	Edit
	PRESSURE	Edit	Edit
	I/O ALLOCATION	Management	Management
	GUN CONDITION	Management	Management
	CLEARANCE SETTING	Operation	Edit
	SPOT POWER SOURCE COND.	Management	Management
	TIP INSTALLATION	Operation	Management
	APPLICATION SETTING	Management	Management
GENERAL	WEAVING	Operation	Edit
	GENERAL DIAG.	Operation	Edit
COMMON TO ALL APPLICATIONS	I/O VARIABLE CUSTOMIZE	Operation	Operation

1 Displayed in the teach mode only.
2 Displayed in the play mode only.
3 Displayed when the job reconstruction function is valid.
*As for the menu and the security mode when the functional safety is valid, refer to “DX200 OPTIONS INSTRUCTIONS FOR FUNCTIONAL SAFETY BOARD OPERATION (165988-1CD)” for more details.

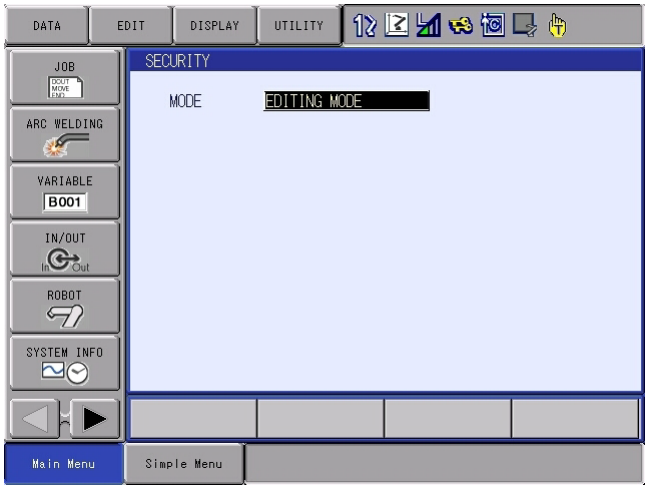
2.1.1.1 Changing the Security Mode

1. Select {SYSTEM INFO} under the main menu.
   – The sub menu appears.

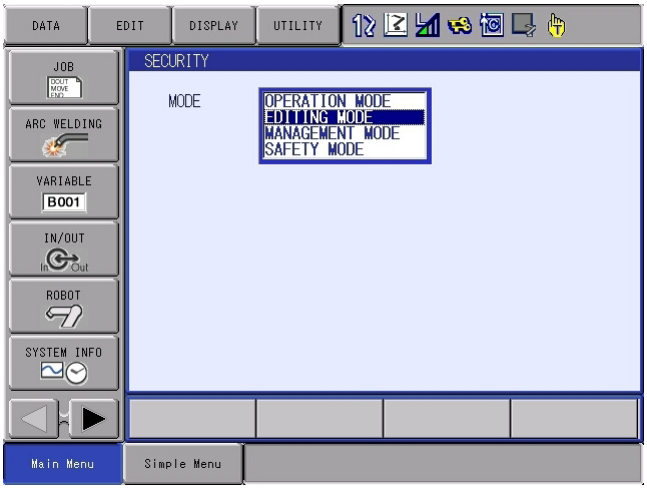


Note: Icons for the main menu such as arc welding system differ depending on the system being used.

2. Select {SECURITY}.
   – The selection window of security mode appears.

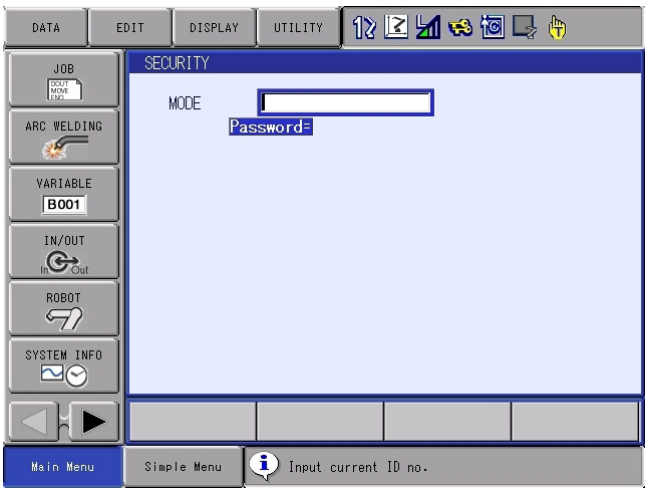


– Security mode can be selected from “OPERATION MODE”, “EDITING MODE”, “MANAGEMENT MODE” or “SAFETY MODE”.



3. Select the security mode to change.

– If the selected security mode is lower than the current security level, the password will be required.



4. Enter the password.

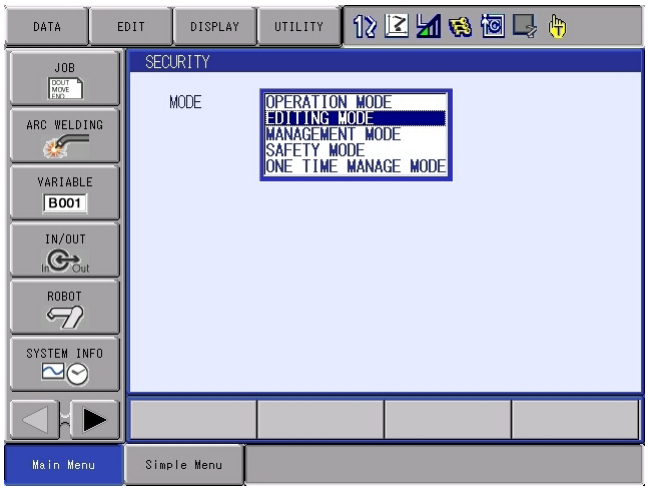
– The following user ID numbers are set as default.
Editing Mode: [0000000000000000]
Management Mode: [9999999999999999]
Safety Mode: [5555555555555555]

5. Press [ENTER].

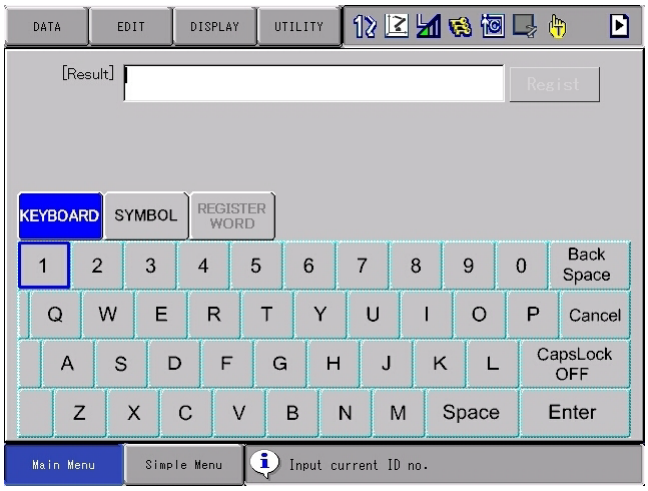
– If the password is correct, the security mode will be changed.

■ Procedures to Change the Mode to the One Time Management Mode

1. Change to the management mode.
   – When changing to the management mode, security mode can be selected from “OPERATION MODE”, “EDITING MODE”, “MANAGEMENT MODE”, “SAFETY MODE” or “ONE TIME MANAGE MODE”.



2. Select “ONE TIME MANAGE MODE”.
   – A character string input keypad is displayed. Input the one time security code, which is issued by YASKAWA sales representative.
   – If the password is correct, the security mode will be changed.



2.1.2 User ID

User ID is requested when Editing Mode, Management Mode or Safety Mode is operated.

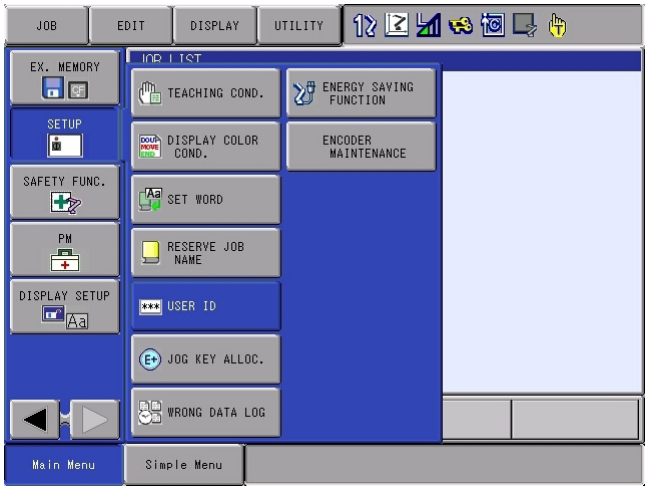
The user ID should be 4 or more and 16 or less characters with number(s) and symbol(s) for the editing mode and the management mode. As for the safety mode, it should be 9 or more and 16 or less characters with number(s) and symbol(s).

(Significant numbers and symbols: “0 to 9”, “-”, “.”.)

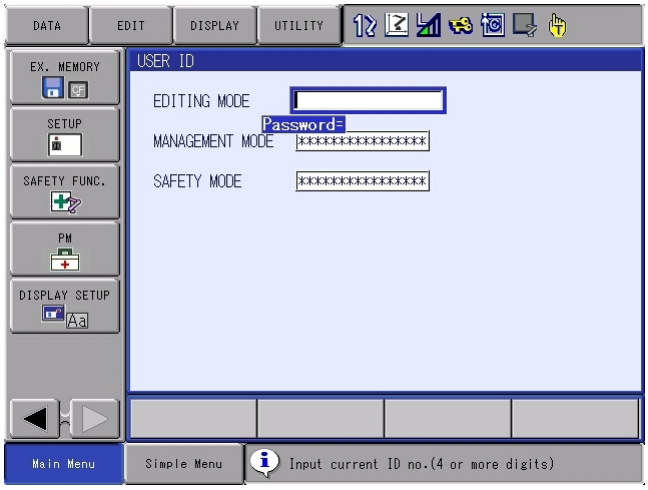
2.1.2.1 Changing a User ID

In order to change the user ID, the DX200 must be in Editing Mode, Management Mode or Safety Mode. Higher security modes can make changes the user ID of to lower security modes.

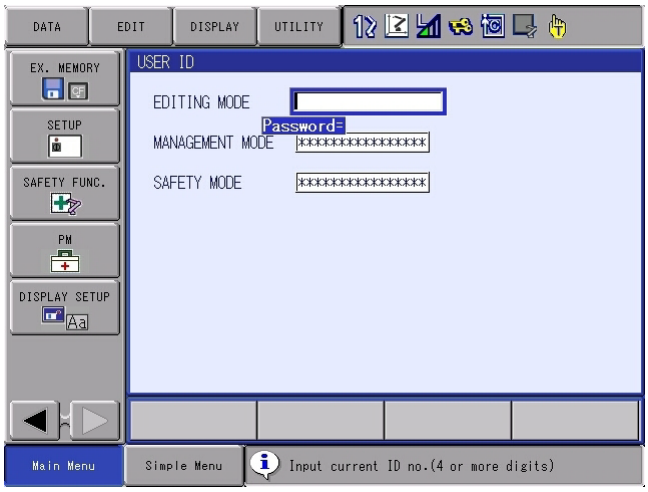
1. Select {SETUP} under the main menu.
   – The sub menu appears.



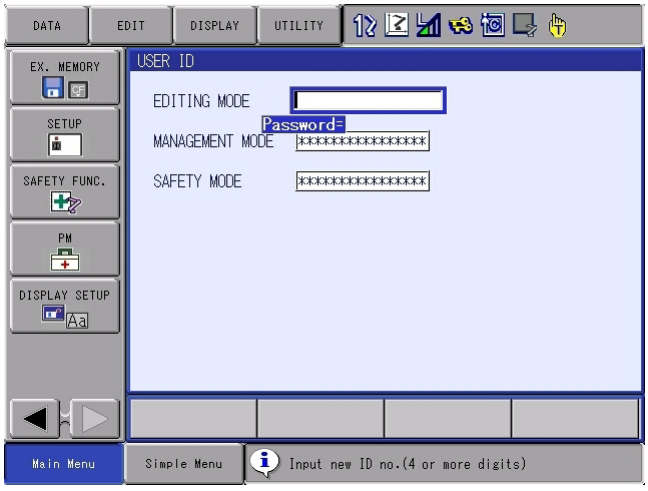
2. Select {USER ID}.
   – The USER ID window appears.



3. Select the desired ID.
   – The character input line appears, and a message "Input current ID no. (4 or more digits)" appears.
   (As for the safety mode, 9 or more digits) Select the desired ID.



4. Input the current ID and press [ENTER].
   – When the correct user ID is entered, a new ID is requested to be input. "Input new ID no.(4 or more digits)" appears.
   (As for the safety mode, 9 or more digits)



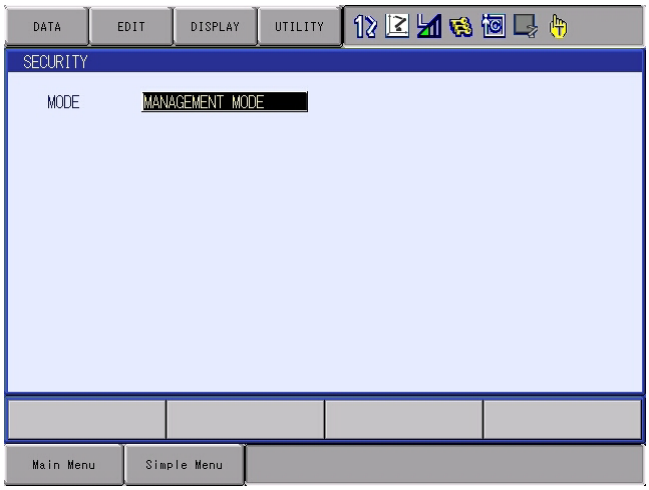
5. Input new ID and press [ENTER].
   – User ID is changed.

2.1.3 Main CPU CF-ID

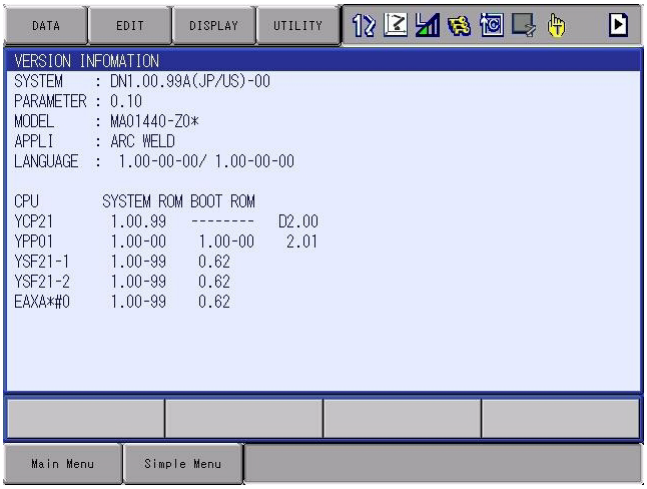
To display the Main CPU CF-ID is described below.

The main CPU CF-ID is necessary to issue the one time security code.

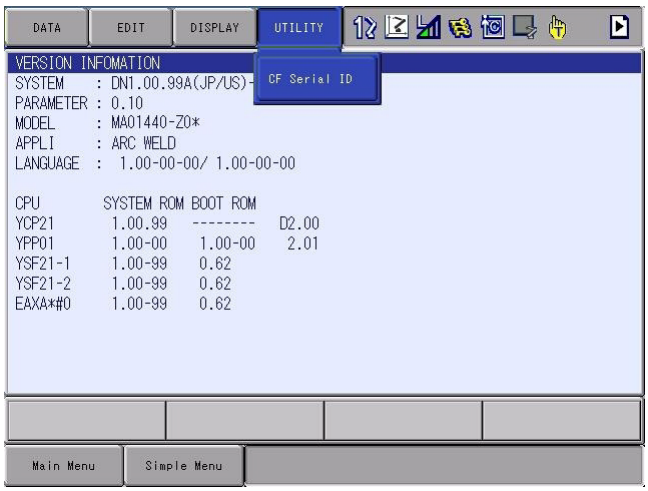
1. Change the security mode to the management mode.



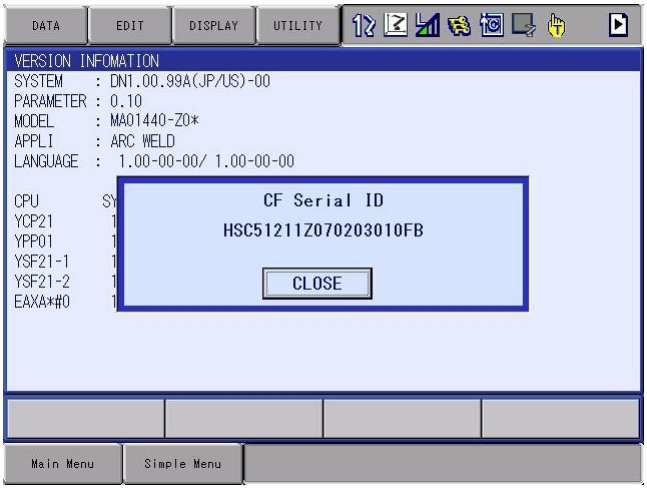
2. Select {SYSTEM INFO} in the main menu.
   – The sub menu appears.
3. Select {VERSION}.
   – VERSION window appears.



4. Select {UTILITY} under the pull-down menu.
   – “CF Serial ID” appears.



5. Select “CF Serial ID”.
   – CF dialog of the main CPU appears.



3 Inspections

3.1 Regular Inspections

CAUTION

- **Do not touch the cooling fan or other equipment while the power is turned ON.**

Failure to observe this caution may result in electric shock or injury.

Carry out the following inspections.

Inspection Equipment	Inspection Item	Inspection Frequency	Comments
DX200 Controller	Check that the doors are completely closed	Daily	
	Check for gaps or damage to the sealed construction	Monthly	
Interior circulation fan, backside duct fan and fan for the heat exchanger	Check operation	As required	While power ON
Emergency stop button	Check operation	As required	While servo ON
Enable switch	Check operation	As required	In teach mode
Battery	Confirm battery alarm or message is displayed or not	As required	
Power Supply	Check power supply voltage is normal	As required	
Circuit Breaker Lead Cables	Check falling out, loosing or breaking of the lead cables Check the correlate voltage	As required	

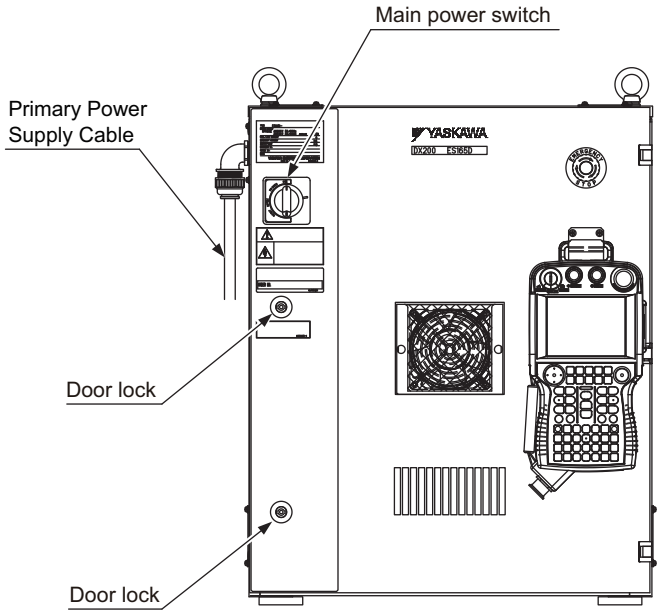
3.2 DX200 Inspections

3.2.1 Checking if the Doors are Firmly Closed

- The DX200 has a fully sealed construction, designed to keep external air containing oil mist out of the DX200.
  Be sure to keep the DX200 doors fully closed at all times, even when the controller is not operating.

- When opening or closing the doors for maintenance, use the screwdriver after the main power is turned OFF. (CW: Open, CCW: Close)
  Make sure to push the door and turn the door-lock with the driver to open or close the door. When closing the door, turn the door lock until it clicks.

Fig. 3-1: DX200 Front View



3.2.2 Checking for Gaps or Damage in the Sealed Construction Section

- Open the door and check that the seal around the door is undamaged.
- Check that the inside of the DX200 is not stained badly. If it is, determine the cause, take measures and immediately clean it.
- Firmly lock each door and check that no excessive gaps exist around the edge of the door.

3.3 Cooling Fan Inspections

Before the Cooling Fan Inspections

In principle, the door must not be opened to prevent electric shock while power is on. However, it is required to open the door if the cooling fan must be inspected. Exercise extreme care in this case.

WARNING

- To perform this operation, it is required to open the door of the control box while power is on.
- A heavy current (AC200V) flows inside the control box. Do not touch the internal unit.

Failure to observe this warning may result in electric shock.

- Close the door as soon as the maintenance work such as the inspection and check of cooling fan is completed.

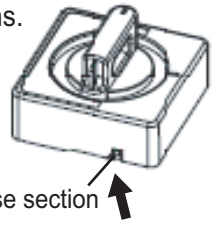
Failure to observe this warning may result in electric shock.

<How to Open and Close the Door>

< Excerpt from information materials of manufacturers >

● Door Lock Mechanism

The door of the control box can be opened at the OFF position. The door of the control box cannot be opened at the ON or trip position because it is locked at these positions. However, pressing the release section in the arrow direction with a tool (3mm wide, 1.8mm thick) makes it possible to open the door locked at the ON or trip position.



WARNING

- Close the door as soon as the maintenance work such as the inspection and check of cooling fan is completed.

Failure to observe this warning may result in electric shock.

Cooling Fan Inspections

Inspect the cooling fans as required. A defective fan can cause the DX200 to malfunction because of excessive high temperatures inside if the cooling fans and the heat exchanger do not operate efficiently.

The heat exchanger and the internal sir circulation fan normally operate while the power is tuned ON, and the backside duct fan normally operate while the servo power is turned ON. Check if the fans are operating correctly by visual inspection and by feeling air moving into the air inlet and from the outlet.

Fig. 3-2: Cooling Fan Construction for the Small Capacity

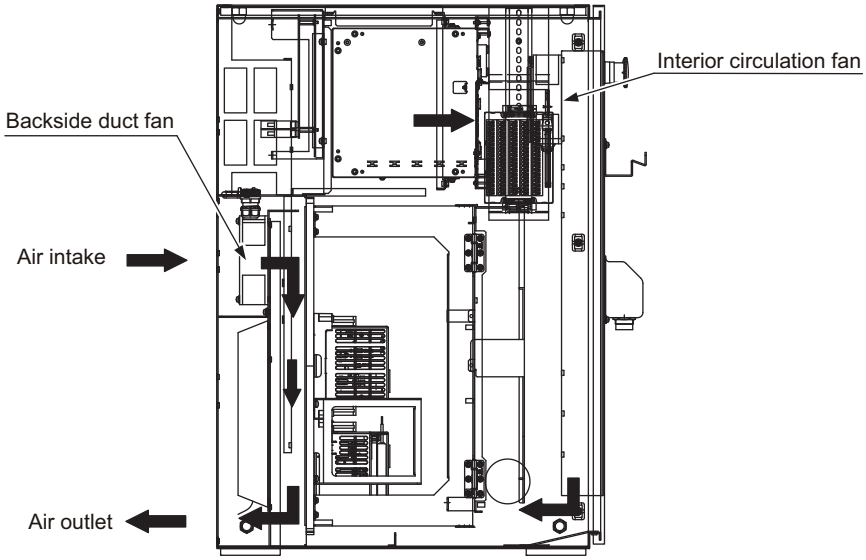
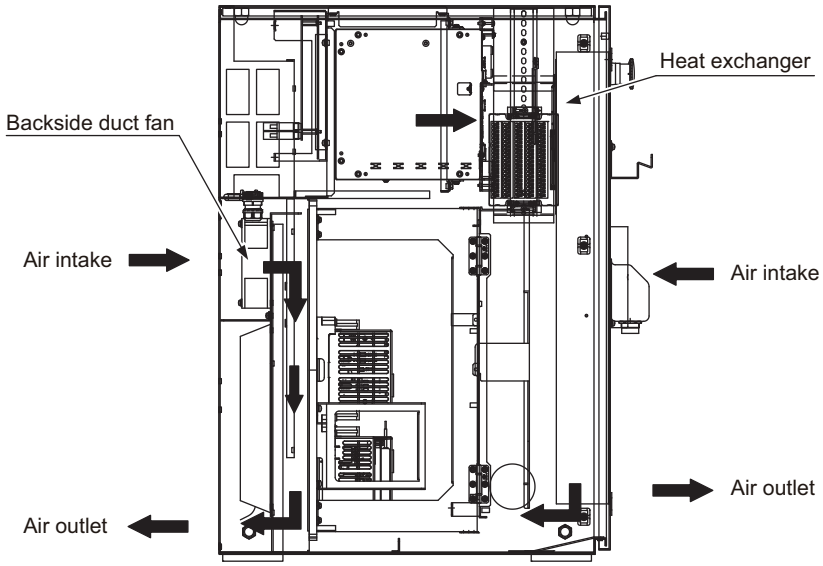


Fig. 3-3: Cooling Fan Construction for Medium and Large Capacity



NOTE

When the message of the "Cooling fan in YPS power supply stopped. Exchange fan" is displayed, it may be caused by the error occurrence at the cooling fan (JZNC-YZU21-E) inside the control power supply unit (JZNC-YPS21-E).

When the message of the "Cooling fan in YPS unit stopped, replace cooling fan" is displayed, carry out an inspection and the replacement of the cooling fan in the YPS unit as soon as possible.

3.4 Emergency Stop Button Inspections

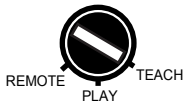
The emergency stop buttons are located on both the front door of the DX200 and the programming pendant. Before operating the manipulator, confirm that the servo power is ONFF by pressing the emergency stop button on the front door of the DX200 after the servo is ON.

3.5 Enable Switch Inspections

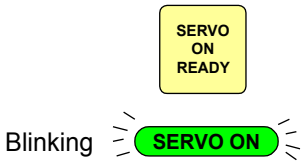
The programing pendant is equipped with a three-position enable switch. Perform the following operation to confirm the enable switch operates.

1. Set the mode switch with key on the programming pendant to "TEACH."

Mode switch with key



2. Press [SERVO ON READY] on the programming pendant. The [SERVO ON] lamp blinks.



3. When the enable switch is grasped lightly, the servo power is turned ON.
   When the enable switch is grasped firmly or released, the servo power is turned OFF.

NOTE

If the [SERVO ON] lamp does not light in previous operation (2), check the following:

- The emergency stop button on the front door of the DX200 is pressed.
- The emergency stop button on the programming pendant is pressed.
- The emergency stop signal is input from external.
- If a major alarm is occurring.

3.6 Battery Inspections

The DX200 has a battery that backs up the important program files for user data in the CMOS memory.

A battery alarm indicates when a battery has expired and must be replaced. The programming pendant display and the message "Memory battery weak" appears at the bottom of the display.

Please confirm that the above mentioned message is NOT indicated when inspecting.

The way to replace the battery is described in *section 5.1.1.1 “Replacing the Battery” on page 5-4*.

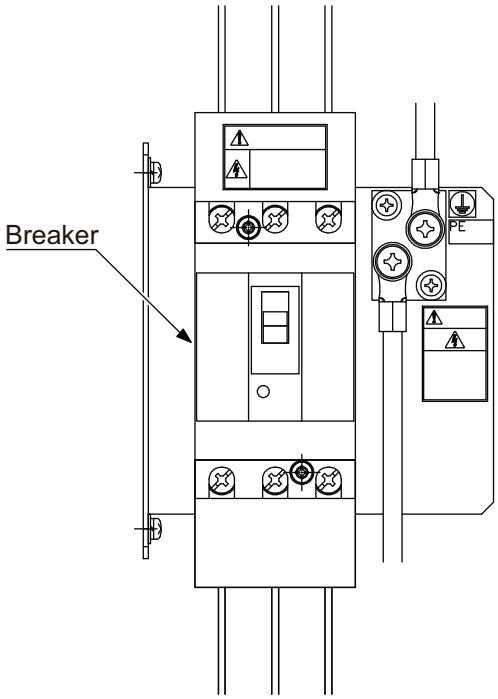
3.7 Power Supply Voltage Confirmation

Check the voltage of 1, 3, 5 terminal of the circuit breaker (QF1) with an electric tester.

Table 3-1: Power Supply Voltage Confirmation

Measuring Items	Terminals	Correct Value
Correlate voltage	Between 1 and 3, 3 and 5, 1 and 5	200 to 220V (+10%, -15%)
Voltage between earth (phase-S ground)	Between 1 and E, 5 and E	200 to 220V (+10%, -15%)
	Between 3 and E	About 0V

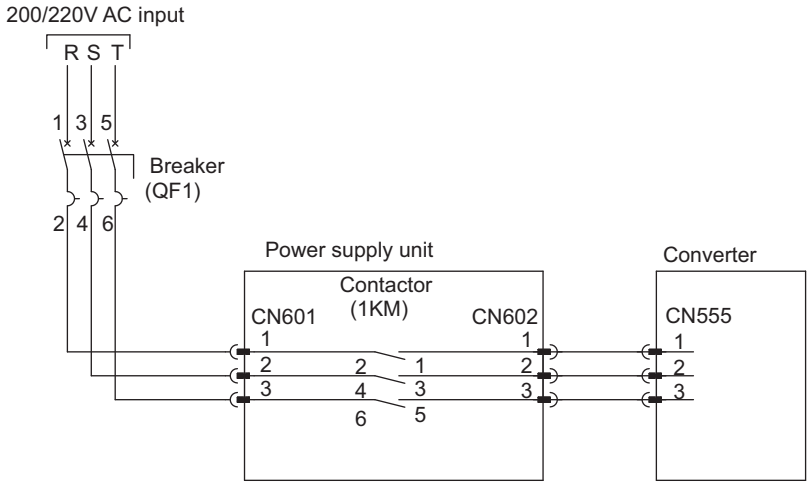
Fig. 3-4: Circuit Breaker (QF1)



3.8 Open Phase Check

Table 3-2: Open Phase Check List

Check Item	Contents
Lead Cable Check	Confirm if the lead cable for the power supply is wired as shown in the following without any falling out, looseness or breaking from the connecting part.
Input Power Supply Check	Check the open phase voltage of input power supply with an electric tester. (Normal value: 200-220V_{AC} (+10%, -15%))
Circuit Breaker (QF1) Check	Turn ON the breaker and check the open phase voltage of “2, 4, 6” of the circuit breaker (QF1) with an electric tester. If abnormal, replace the circuit breaker (QF1).



4 Preparation before Replacing Parts

WARNING

- **Before operating the manipulator, check that the SERVO ON lamp turns OFF when the emergency stop buttons on the front door of the DX200 and the programming pendant are pressed.**

Injury or damage to machinery may result if the manipulator cannot be stopped in case of an emergency.

- **Observe the following precautions when performing teaching operations within the P-point maximum envelope of the manipulator:**
  - **Be sure to use a lockout device to the safeguarding when going inside.**
    Also, display the sign that the operation is being performed inside the safeguarding and make sure no one closes the safeguarding.
  - **View the manipulator from the front whenever possible.**
  - **Always follow the predetermined operating procedure.**
  - **Keep in mind the emergency response measures against the manipulator's unexpected motion toward you.**
  - **Ensure that you have a safe place to retreat in case of emergency.**

Improper or unintended manipulator operation may result in injury.

- **Confirm that no persons are present in the P-point maximum envelope of the manipulator and that you are in a safe location before:**
  - **Turning ON the DX200 power.**
  - **Moving the manipulator with the programming pendant**

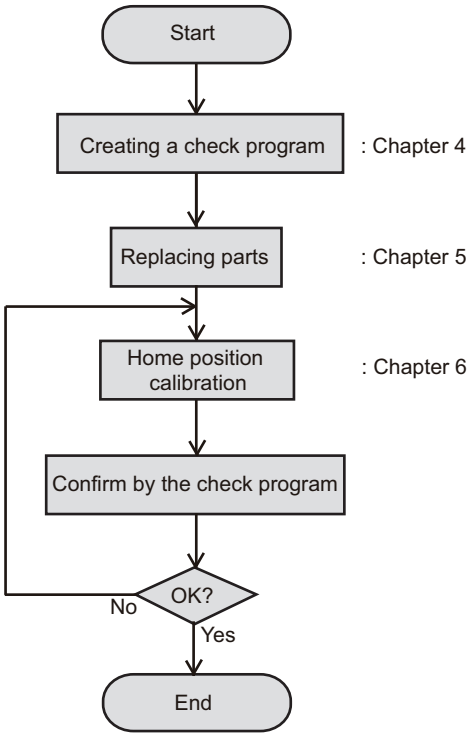
Injury may result if anyone enters the P-point maximum envelope of the manipulator during operation.Always press the emergency stop button immediately if there are problems.
Emergency stop buttons are located at the upper right corner of the front door of the DX200 and on the upper right of the programming pendant.

CAUTION

- **Perform the following inspection procedures prior to conducting manipulator teaching. If problems are found, repair them immediately, and be sure that all other necessary processing has been performed.**
  - **Check for problems in manipulator movement.**
  - **Check for damage to insulation and sheathing of external wires.**
  - **Always return the programming pendant to the hook on the DX200 cabinet after use.**

The programming pendant can be damaged if it is left in the P-point maximum envelope of the manipulator, on the floor, or near fixtures.

The following flowchart shows the operations for replacing parts.



This chapter describes how to create a check program as a preparation for replacing parts. The check program is a program to check the position deviation. If positions are deviated, home position calibration is required. For the calibration, this program data is used to correct the home position data. In the following cases particularly, the home position calibration using the check program is needed. Be sure to create a check program referring to *section 4.1 “Creating a Check Program” on page 4-3*.

- Change in the combination of the manipulator and DX200
- Replacement of the motor or absolute encoder
- Clearing stored memory (by replacement of YCP21 board, weak battery, etc.)
- Home position deviation caused by hitting the manipulator against a workpiece, etc.

4.1 Creating a Check Program

To check position deviation whenever necessary, create a program in which a check point is taught (the job for the check point). In the job for the check point, teach two points; one as a check point and the other as the point to approach the check point. This program checks for any deviation between the tool tip position and the check point.

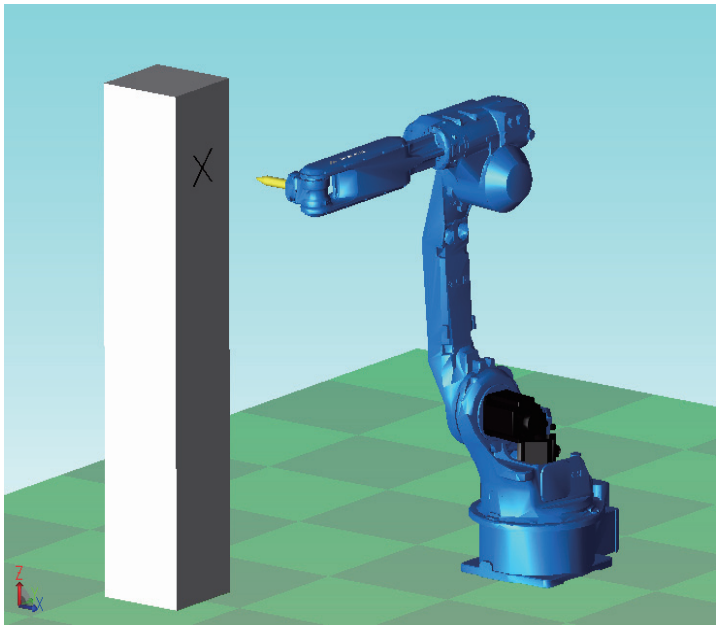
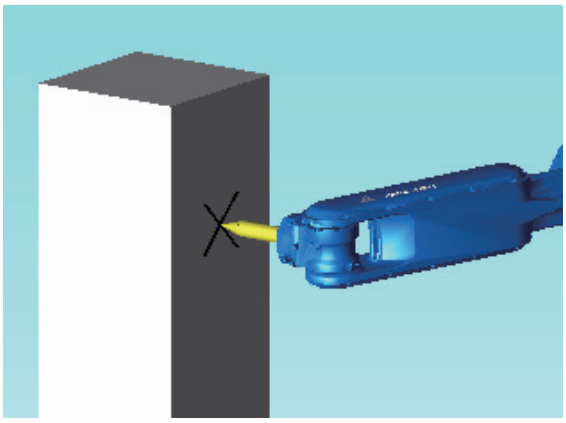


Fig. 4-1: <Enlarged View>



5 Replacing Parts

5.1 Replacing DX200 Parts

WARNING

- **Turn OFF the power supply before opening the DX200 doors.**

Failure to observe this warning may result in electric shock.

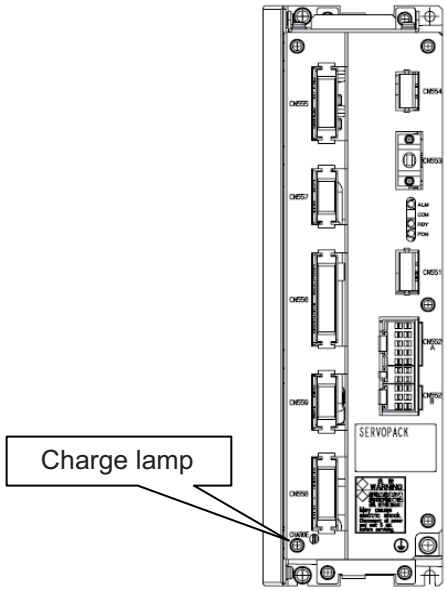
- **After turning OFF the power supply, wait at least 5 minutes before replacing a YPS unit. Do not touch any terminals during this period.**

Failure to observe this warning may result in electric shock.

- **After turning OFF the power supply, wait at least 5 minutes before replacing an amplifier module, a converter, and a capacitor unit. Also, ensure that the charge lamp (red LED) is OFF. (*)**

The remaining charged voltage in the capacitor may cause an electric shock or an injury.

(*) If the charge lamp does not go out for a long time, there is a possibility that abnormal power shutdown (such as breaker off or power outage during servo on) occurs. In that case, discharge is possible by turning ON the breaker in the state that the primary power supply is being supplied. Ensure that the charge lamp is turned OFF, and then turn OFF the breaker switch.



Converter

WARNING

- **To prevent anyone inadvertently turning ON the power supply during maintenance, put up a warning sign such as "DO NOT TURN ON THE POWER" at the primary power supply (knife switch, wiring circuit breaker, etc.) and at the DX200 and related controllers and use accepted lockout/tagout Procedure.**

Failure to observe this caution may result in electric shock or injury.

- **Do not touch the regeneration resistors. They are very hot.**

Failure to observe this caution may result in burn injuries.

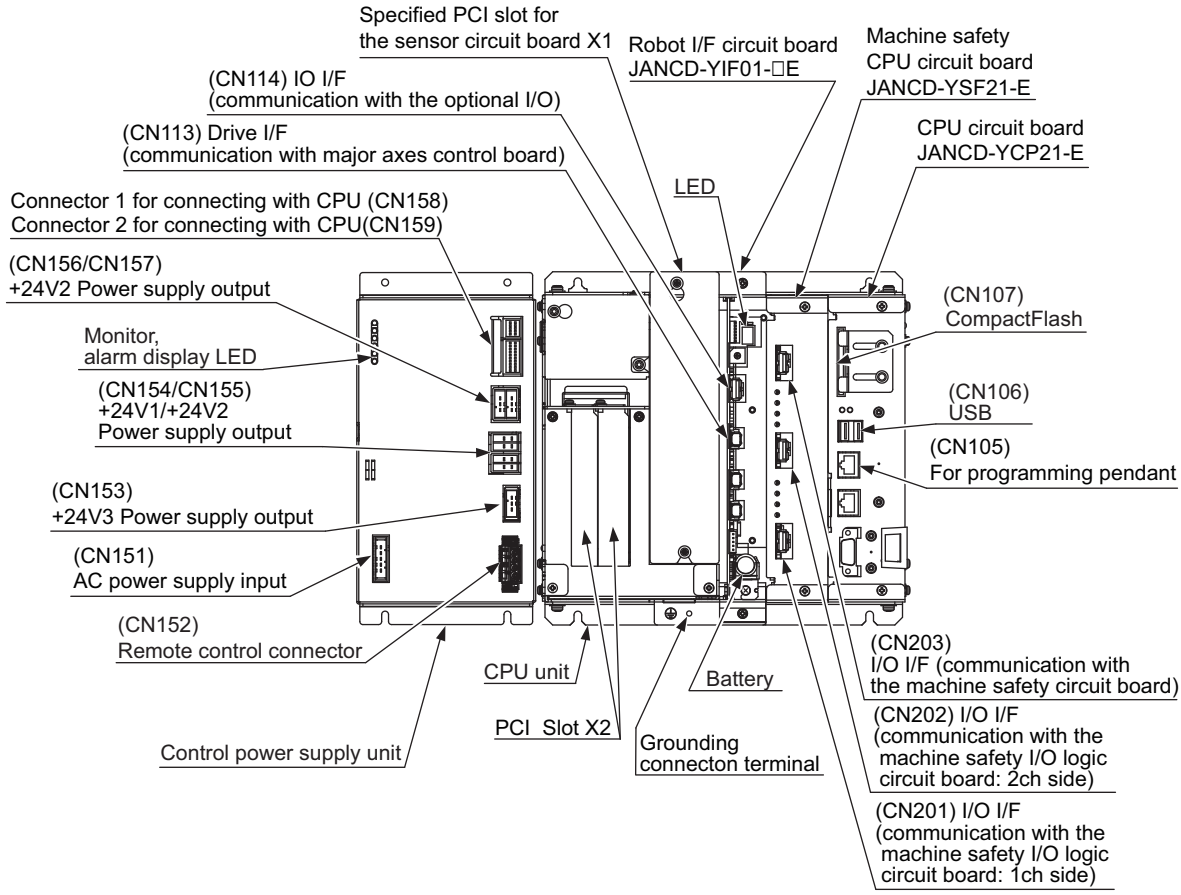
- **After maintenance is completed, carefully check that no tools are left inside the DX200 and that the doors are securely closed.**

Failure to observe this caution may result in electric shock or injury.

5.1.1 Replacing Parts of the CPU Unit

CPU unit (JZNC-YRK21-1E) is consisted of the various circuit boards, CPU circuit board (JANCD-YCP21-E), machine safety CPU circuit board (JANCD-YSF21-E), and robot I/F circuit board (JANCD-YIF01-□E). CPS unit (JZNC-YPS21-E) is a separated unit and it is arranged to the left side of CPU unit.

Fig. 5-1: Configuration of CPU unit and CPS unit (JZNC-YRK21, JZNC-YPS21-E)



5.1.1.1 Replacing the Battery

The battery must be replaced as soon as the message "Memory battery weak" appears at the programming pendant display.
Replace the battery within two hours after the breaker turns OFF.

■ **Replacement Procedure**

1. Loosen the screws on the battery connector holder and slide it to the right.
2. Remove the battery connector (CN110/BAT) on the robot I/F circuit board (JANCD-YIF01-□E) and loosen the fixing screws below the battery to remove the battery.
3. Mount a new battery on the robot I/F circuit board and connect the connector (CN110/BAT).
4. Slide the battery connector holder to the left and fix it with the screws.
5. Please confirm that the above mentioned message is not indicated at the programming pendant display after battery replacement.

NOTE

Although the CMOS memory is backed up by super capacitor, the battery must be replaced as soon as the message "Memory battery weak" appears.

The job data and other data may be lost if the message "Memory battery weak" appears and the breaker is turned OFF for more than 2 hours.

5.1.1.2 Replacing the CPU circuit board (JANCD-YCP21-E)

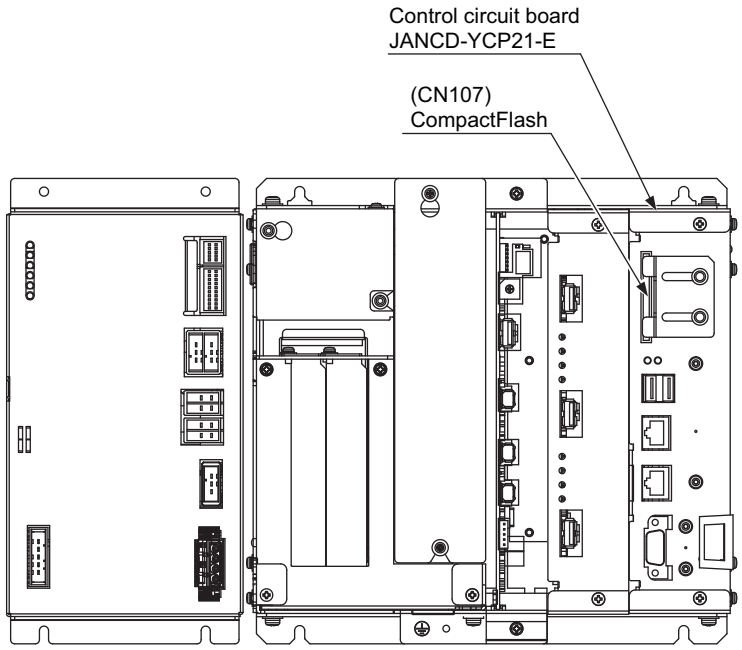
Turn OFF the power before replacing a circuit board.

■ **Replacement Procedure**

1. Disconnect all cables connected to the circuit board.
2. Remove screws fixing the circuit board from upper and lower side. (one part at each side)
3. Pull out the circuit board from the rack.
4. Remove the Compact Flash from the removed circuit board and insert the Compact Flash into a new circuit board.
5. Mount the new circuit board to the rack.
6. Tighten upper and lower screws.

Connect all disconnected cables.

Fig. 5-2: CPU circuit board (JANCD-YCP21-E)



5.1.1.3 Replacing the YPS Unit (JZNC-YPS21-E)

CAUTION

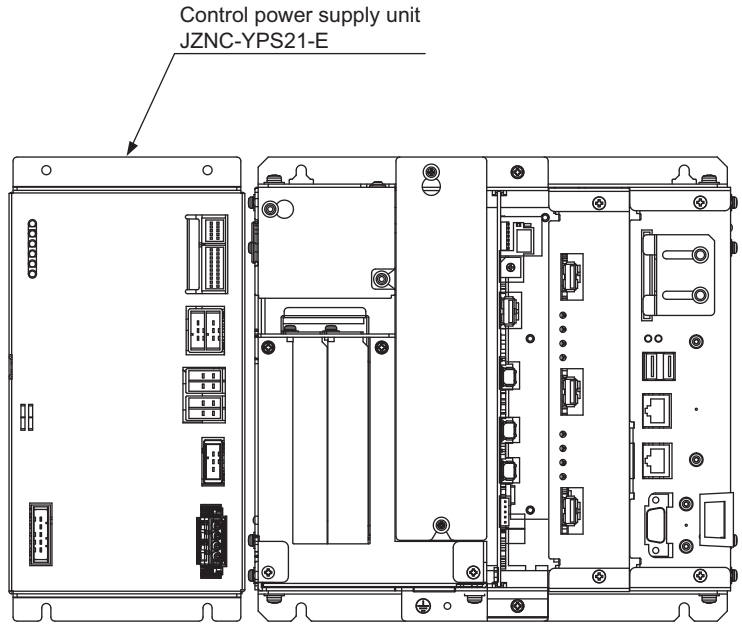
- **After turning OFF the power supply, wait at least 5 minutes before replacing a control power supply. Do not touch any terminals during this period. Confirm all monitor lights are turned OFF.**

Failure to observe this caution may result in electric shock or injury.

■ **Replacement Procedure**

1. Disconnect all cables connected to the YPS unit.
2. Loosen upper screws (2 places) fixing the YPS unit to the controller.
3. Hold to remove the YPS unit itself by pulling out from the controller.
4. Insert the lower part flange of the new YPS unit into the fixing jig which is at the bottom of the controller.
5. Tighten upper screws.
6. Connect all the disconnected cables.

Fig. 5-3: CPS Unit (JZNC-YPS21-E)



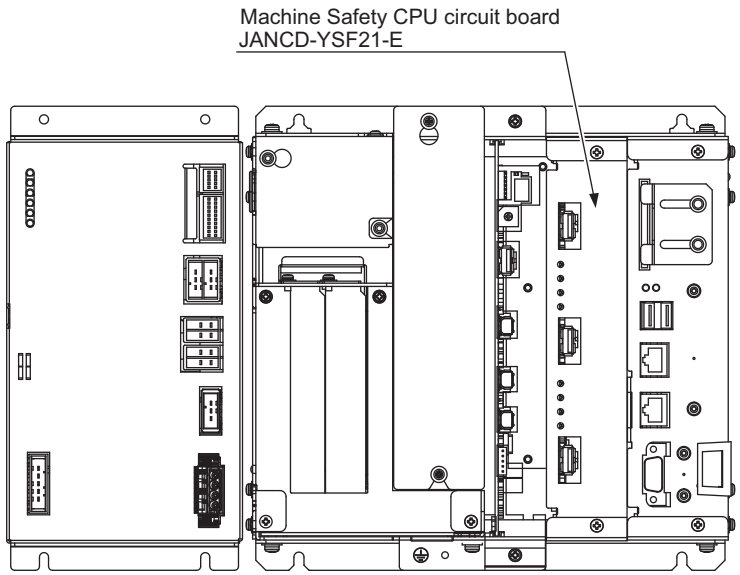
5.1.1.4 Replacing the Machine Safety CPU circuit board (JANCD-YSF21-E)

Turn OFF the power before replacing a circuit board.

■ **Replacement Procedure**

1. Disconnect all the cables connected to the circuit board.
2. Remove two screws fixing the circuit board to the rack.
3. Pull out the circuit board from the rack.
4. Insert a new circuit board into the slot of the rack, along with the ditch.
5. Tighten upper and lower screws.
6. Connect all the cables disconnected in the procedure 1.
7. Start up the system in maintenance mode and change the security mode to management mode.
8. Select {FILE} ⇒ {INITIALIZE}.
9. Move the cursor and select {Machine Safety Board FLASH Reset}.
10. Select {YES} when a confirmation dialog box appeared.
    – Data of the machine safety circuit board is reset. When resetting is completed, a buzzer sounds in a few seconds.
11. Turn ON the control power supply.

Fig. 5-4: Machine Safety CPU circuit board (JANCD-YSF21-E)



5.1.1.5 Replacing the Robot I/F circuit board (JZNCD-YIF01- □ E)

NOTE

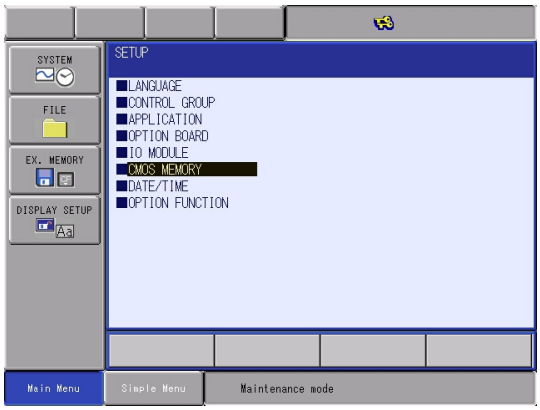
- Turn OFF the power before replacing the robot I/F circuit board.
- Be sure to back up robot data before replacing the circuit board since the robot I/F circuit board contains important data such as robot jobs and parameters.
- There are two memory sizes to the robot I/F circuit board: 2 MB and 4 MB.
  Check the used memory size and the mounted memory size in maintenance mode before replacing the robot I/F circuit board.

  Normal : JANCD-YIF01-4E (memory size: 2MB)
  Optional : JANCD-YIF01-2E (memory size: 4MB)

  *As for the JANCD-YIF01-2E circuit board, it may be used as 2MB even if its mounted memory size is 4MB.
- There are some versions which require maker mode operations after replacing the robot I/F circuit board.
- Contact your Yaskawa representative for maker mode operations.

■ Check Procedure of Used Memory Size and Mounted Memory Size

1. Start up the system in maintenance mode, and select {SYSTEM} → {SETUP} → {CMOS MEMORY}.



2. Check “USED SIZE” and “MOUNTED SIZE” in the CMOS MEMORY window.

   <Pattern 1>

   [JANCD-YIF01-4E circuit board is used]

   It can be replaced with “JANCD-YIF01-4E” or “JANCD-YIF01-2E”.

   *If replace it with “JANCD-YIF01-2E”, it is used as its memory size is 2MB.

<Pattern 2>

[JANCD-YIF01-2E circuit board is used]

It can be replaced with “JANCD-YIF01-4E” or “JANCD-YIF01-2E”.

*If replace it with “JANCD-YIF01-2E”, it is used as its memory size is 2MB.

<Pattern 3>

[JANCD-YIF01-2E circuit board is used]

It can be replaced with “JANCD-YIF01-2E”.

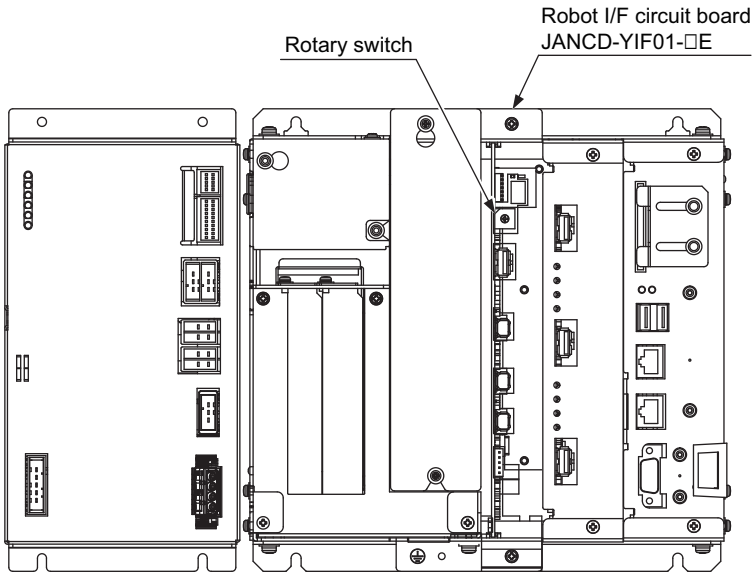
If replace it with “JANCD-YIF01-4E” and the CMOS.BIN data is loaded, the following error occurs.

ERROR 3230 : System not matched

■ **Replacement Procedure**

1. Back up the robot data.
   Insert a CF card for backup to the programming pendant, and start the system in maintenance mode.
   Select {EX.MEMORY} ⇒ {SAVE} ⇒ "BATCH CMOS" to save the CMOS data.
   Backup all the individual data for safe.
2. Turn OFF the power after making backup.
3. Disconnect all cables on the robot I/F circuit board.
4. Remove two screws fixing the robot I/F circuit board and rack.
5. Pull out the robot I/F circuit board from the rack.
6. Insert new robot I/F circuit board into the slot of the rack.
7. Tighten upper and lower screws of the robot I/F circuit board.
8. Connect all the cables disconnected in the procedure 3.
9. Set the rotary switch as the same value as the original I/F circuit board.
10. Start up the system in maintenance mode and insert the CF card with the backed up data in procedure 1 to the programming pendant. Change the mode from security mode to management mode. Select {EX.MEMORY} ⇒ {LOAD} ⇒ "BATCH CMOS" to start loading the data. After loading, the state returns to the state as before the replacement.

Fig. 5-5: Robot I/F circuit board (JANCD-YIF01- □ E)



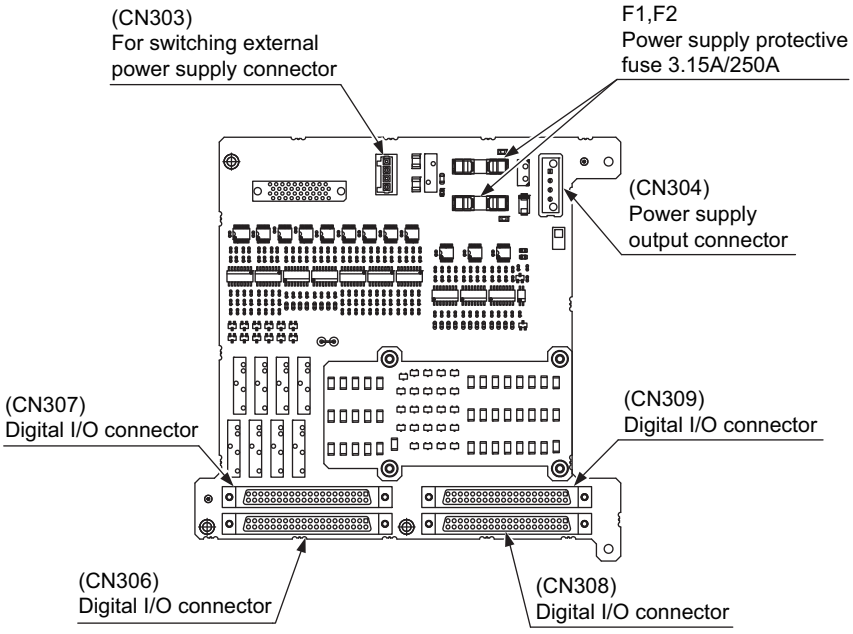
5.1.1.6 Replacing the Universal I/O Unit (JANCD-YIO21-E)

NOTE Turn OFF the power before replacing the unit.

■ **Replacement Procedure**

1. Remove the back circuit board from the upper back of the DX200.
2. Remove the cover over the universal I/O circuit board.
3. Remove the all cables connected to the universal I/O circuit board.
4. Loosen the screws (six places) fixing to the universal I/O circuit board.
5. Remove the universal I/O circuit board from the machine safety I/O logic circuit board (JANCD-YSF22□-E).
6. Insert the new universal I/O circuit board connector (CNA) into the machine safety I/O logic circuit board (JANCD-YSF22□-E) connector (CNA).
7. Tighten the six fixing screws of the universal I/O circuit board firmly.
8. Reinstall the all disconnected cables from the universal I/O circuit board.
9. Replace the cover on the universal I/O circuit board.
10. Replace the back circuit board on the upper back of the DX200.

Fig. 5-6: Universal I/O circuit board (JANCD-YIO21-E)



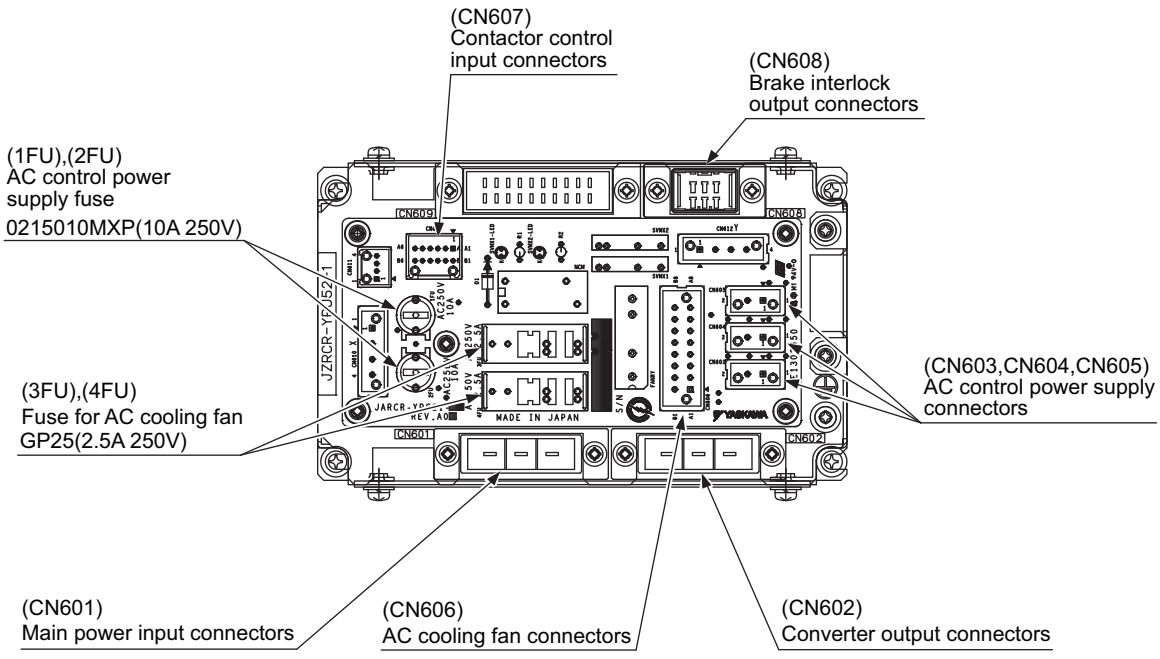
5.1.1.7 Replacing the Power ON Unit (JZRCR-YPU5 □-Δ)

NOTE Turn OFF the power before replacing the unit.

■ **Replacement Procedure**

1. Remove the cover of the power ON unit.
2. Disconnect all the cables connected to the power supply unit.
   Loosen the upper and lower side screws (four places) fixing the power ON unit to the controller, and remove the power ON unit.
   *Do not hold the circuit board only, but hold it together with the unit since it may cause damages to the circuit board or injury.
3. Remove the power supply unit from the control circuit board by holding up the upper and lower side cover.
   *Do not hold the circuit board only, but hold it together with the unit since it may cause damages to the circuit board or injury.
4. Tighten upper and lower side screws (4 places) firmly to fix the power supply unit.
   *Do not hold the circuit board only, but hold it together with the unit since it may cause damages to the circuit board or injury.
5. Connect all the disconnected cables.
6. Reinstall the removed cover from the power supply unit.

Fig. 5-7: Configuration of Power ON Unit (JZRCR-YPU5□-Δ)



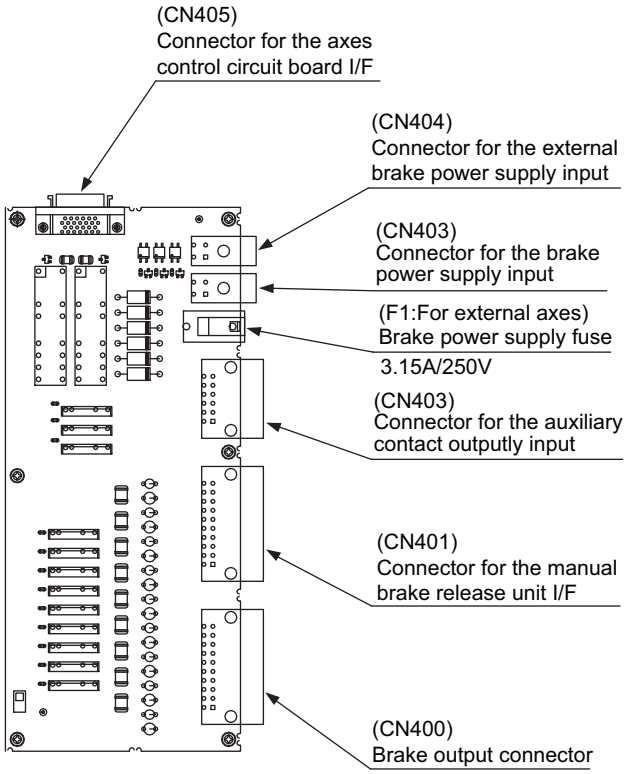
5.1.1.8 Replacing the Brake Circuit Board (JANCD-YBK21-3E)

NOTE Turn OFF the power before replacing the circuit board.

■ **Replacement Procedure**

1. Turn OFF the breaker and the primary power supply and wait at least 5 minutes before replacement. Do not touch any terminals during this period.
2. Verify that the converter (SRDA-COA30A21B-E) charge lamp (red LED) is unlit.
3. Remove the cover for the EAXA major axes control circuit board.
4. Disconnect the all cables from the out side connected to the servo pack. If there are external axes, follow the Procedure from ④ to ⑦ .
   - SRDA-EAXA21A
     - ① Encoder signal connector (CN508)
     - ② CPS input connector (CN509)
     - ③ DC control power connector (CN510)
   - SRDA-EAXB21A (with the external axes)
     - ④ AMP I/F connector 7th axis (CN531)
     - ⑤ AMP I/F connector 8th axis (CN532)
     - ⑥ AMPI/F connector 9th axis (CN533)
     - ⑦ Encoder signal connector 7th axis (CN534)
     - ⑧ Encoder signal connector 8th axis (CN535)
     - ⑨ Encoder signal connector 9th axis (CN536)
5. Remove the two screws fixing the base of the EAXA circuit board by pulling.
6. Open the base for the EAXA circuit board.
7. Remove the two screws of the brake circuit board cover fixing the back of the EAXA circuit board.
8. Remove the all cables connected to the brake circuit board.
   *Do not disconnect the jumper wiring connector in the CN404 at this time.
9. Remove the six screws fixing to the brake circuit board, and remove the circuit board.
10. Mount the new brake circuit board with the six screws described above fixing to the EAXA circuit board firmly.
11. Remove the jumper wiring connector from the old brake circuit board, and reinstall it to the new brake circuit board.
12. Reinstall the other removed cables, screws and the cover as follow the Procedure from step 7. to 3.

Fig. 5-8: Brake Circuit Board (JANCD-YBK21-3E)



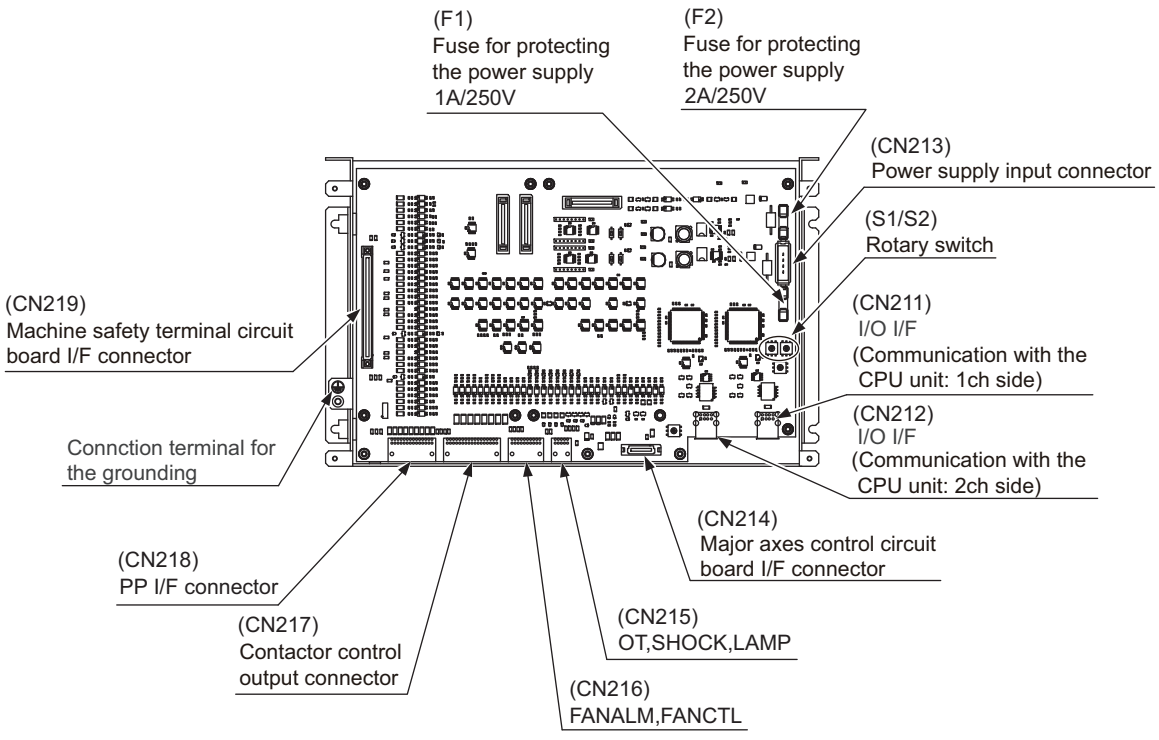
5.1.1.9 Replacing the Machine Safety Logic Circuit board (JANCD-YSF22 □ -E)

NOTE Turn OFF the power before replacing the circuit board.

■ **Replacement Procedure**

1. Remove the back circuit board in the upper location of the back.
2. Remove the cover on the universal I/O circuit board.
3. Disconnect all the cables connected to the machine safety logic circuit board.
4. Loosen four screws fixing the machine safety logic circuit board to the controller, and remove the circuit board.
5. Loosen six screws fixing the universal I/O circuit board, and remove the circuit board.
6. Remove the universal I/O circuit board from the machine safety logic circuit board (JANCD-YSF22□-E).
7. Install the new machine safety logic circuit board to the universal I/O circuit board. (Use the same spigot stud adapter female screw and fixing screws.)
8. Tighten four screws to fix the machine safety logic circuit board.
9. Connect the all disconnected cables at procedure step 3.
10. Reinstall the cover to the universal I/O circuit board.
11. Reinstall the back circuit board to the back.

Fig. 5-9: Machine Safety Logic Circuit Board (JANCD-YSF22□-E)



5.1.2 Replacing the Amplifier Module

WARNING

- **After turning OFF the power supply, wait at least 5 minutes before replacing an amplifier module. Do not touch any terminals during this period.**

Failure to observe this warning may result in electric shock.

■ **Replacement Procedure**

1. Turn OFF the breaker and the primary power supply and wait at least 5 minutes before replacement. Do not touch any terminals during this period.
2. Verify that the converter charge lamp (red LED) is unlit.
3. Remove the cover to the EAXA major axes control circuit board.
4. Disconnect all the cables connected externally to the control circuit board.
   If there are external axes, follow the Procedure from ④ to ⑦ .
   – SRDA-EAXA21A
   ① Encoder signal connector (CN508)
   ② CPS input connector (CN509)
   ③ DC control power connector (CN510)
   – SRDA-EAXB21A (with the external axes)
   ④ AMP I/F connector 7th axis (CN531)
   ⑤ AMP I/F connector 8th axis (CN532)
   ⑥ AMPI/F connector 9th axis (CN533)
   ⑦ Encoder signal connector 7th axis (CN534)
   ⑧ Encoder signal connector 8th axis (CN535)
   ⑨ Encoder signal connector 9th axis (CN536)
5. Loosen the two snap-in latches fixing the base of the EAXA circuit board by pulling.
6. Open the base for the EAXA circuit board.
7. DIsconnect the all cables connected to the amplifier to be replaced.
8. Remove screws fixing the amplifier.
   *03 to 21 amplifier: Remove upper left and lower right screws (2 places).
   *35 to 71 amplifier: Remove IPM fixing screws (2 places) besides the four corners screws (4 places).
9. Mount thermal sheet to the new amplifier.
   (Refer to Thermal Sheet Mounting Instruction.)
10. Mount the new amplifier.
11. Connect all the disconnected cables to the new amplifier.
12. Reinstall the other removed cables, screws and the cover as follow the Procedure from step 6. to 3.

Fig. 5-10: Amplifier Module

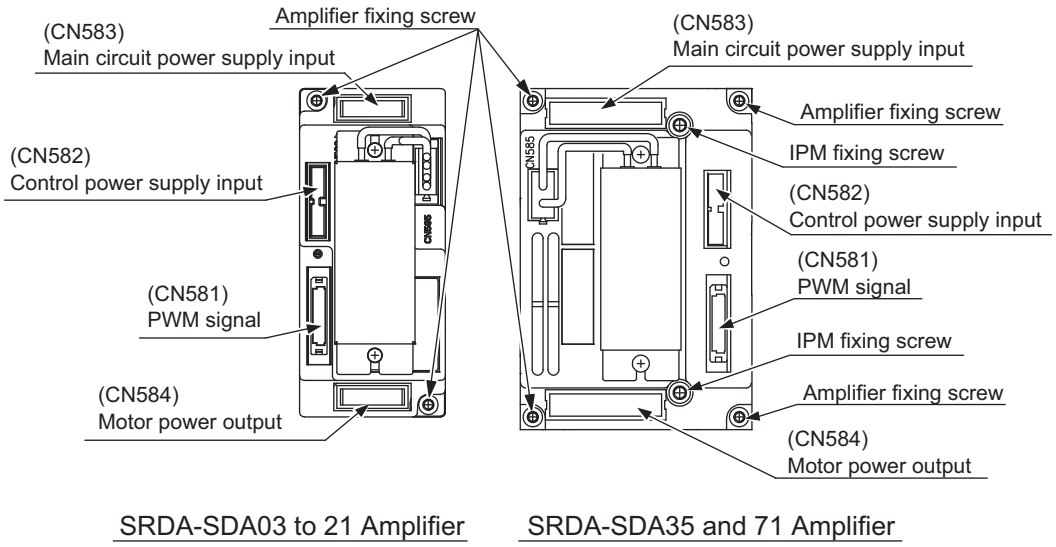


Fig. 5-11: Amplifier Module Arrangement Sample

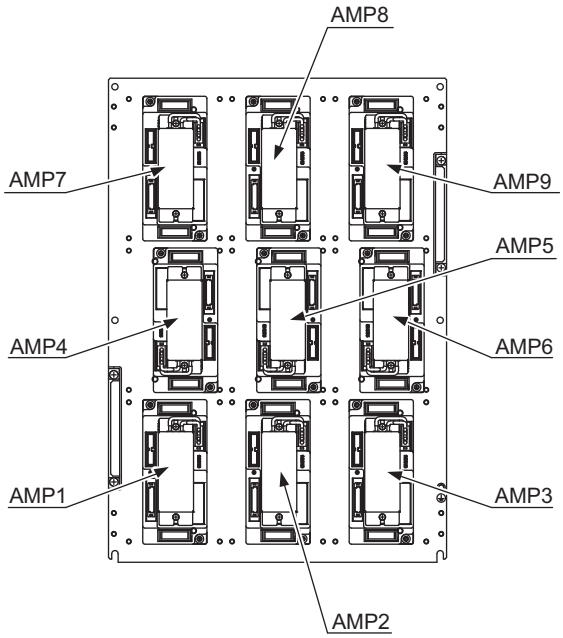


Fig. 5-12: Thermal Sheet Mounting Instruction

"Thermal sheet mounting instruction"

Affix the thermal sheet to the bottom of the amplifier along the ditches.

- Amplifier : SRDA-SDA03A01A-E~SRDA-SDA21A01A-E
- Affix the thermal sheet to the bottom of the amplifier along its ditches.

Amplifier : SRDA-SDA35A01A-E~SRDA-SDA71A01A-E

True up the edges of the IMP frame and its ditches that are at the bottom of the amplifier, then affix the thermal sheet along the edge.

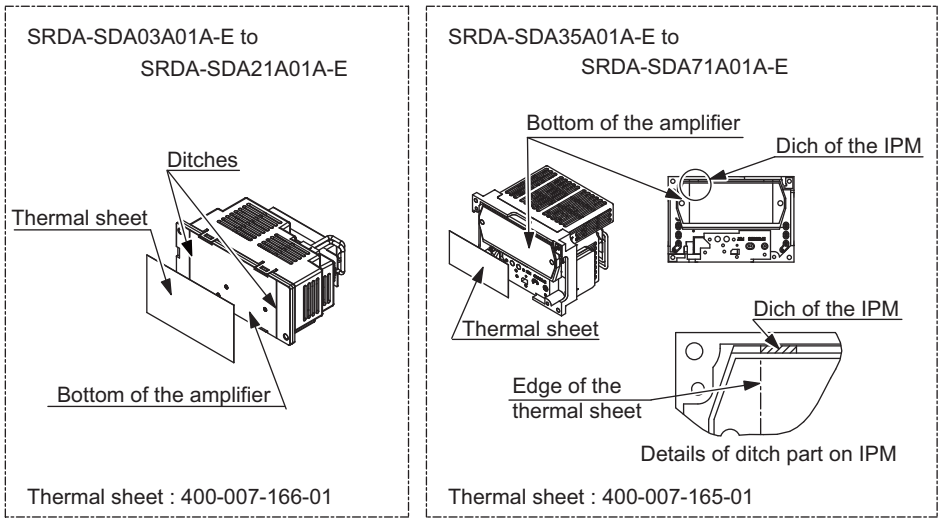
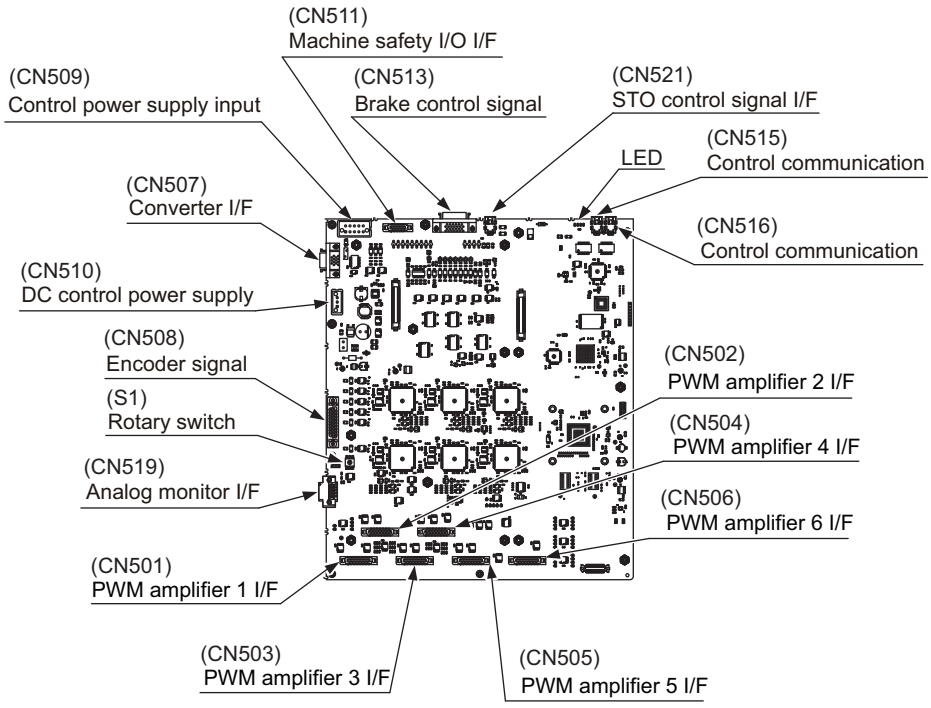


Fig. 5-13: Major Axes Control Circuit Board (SRDA-EAXA21A)



5.1.3 Replacing the Converter (SRDA-COA30A21B-E)

WARNING

- **After turning OFF the power supply, wait at least 5 minutes before replacing a converter. Do not touch any terminals during this period.**

Failure to observe this warning may result in electric shock.

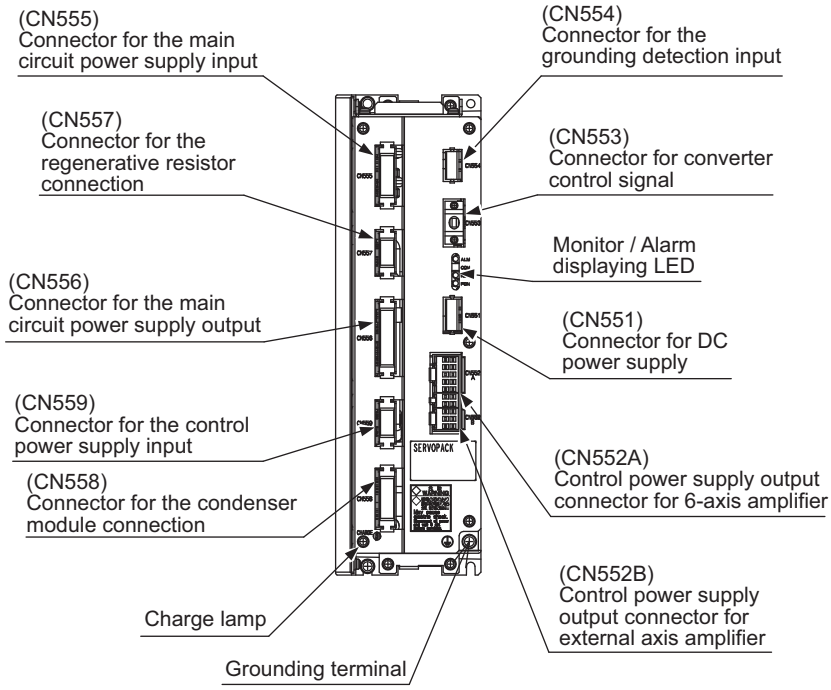
■ **Replacement Procedure**

1. Turn OFF the breaker and the primary power supply and wait at least 5 minutes before replacement. Do not touch any terminals during this period.
2. Verify that the converter charge lamp (red LED) is unlit.
3. Disconnect all the cables connected externally to the converter.
   (1) Ground fault detection input connector (CN554)
   (2) Converter control signal connector (CN553)
   (3) DC Control power supply connector (CN551)
   (4) Main circuit power supply input connector (CN555)
   (5) Regeneration register connected connector (CN557)
   (6) Main circuit power supply output connector for 6-axis amplifier (CN556)
   (7) Control power supply output connector for 6-axis amplifier (CN552A)
   (8) Control power supply connector (CN559)

   Disconnect the following connectors when they are connected.

   (9) Control power supply connector for external axis amplifier (CN552B)
   (10) Capacitor module connector (CN558)
4. Remove the grounding wire connected to the converter.
5. Remove the two upper screws fixing the converter. Loosen the lower screws fixing the converter.
6. Hold the top grip and lift it to pull out the converter by supporting the button by hand.
7. Install the new converter and reconnect the connectors in the reverse order of the removing procedure.
   (Connect the grounding wires firmly.)

Fig. 5-14: Converter



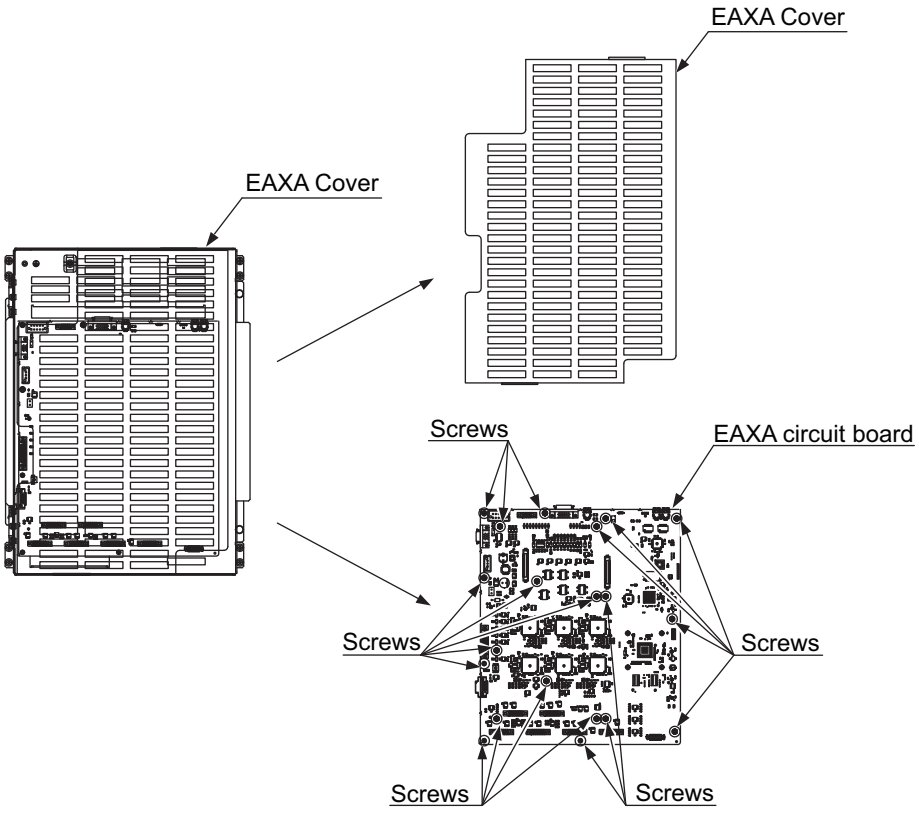
5.1.4 Replacing the Major Axes Control Circuit Board (SRDA-EAXA21A)

NOTE Turn OFF the power before replacing the circuit board.

■ **Replacement Procedure**

1. Turn OFF the breaker and the primary power supply and wait at least 5 minutes before replacement. Do not touch any terminals during this period.
2. Verify that the converter charge lamp (red LED) is unlit.
3. Remove the cover to the EAXA major axes control circuit board.
4. Disconnect all the cables connected externally to the control circuit board.
5. Remove the screws (12 places) fixing the control circuit board.
6. Remove the control circuit board from the EAXA circuit board base.
7. Install the new circuit board in the reverse order of the removing procedure.
8. Set the rotary switch to the same value as the removed circuit board's rotary switch.
9. Connect the all disconnected cables in the step 4.
10. Reinstall the removed cover in the step 3 to the EAXA major axes control circuit board.

Fig. 5-15: Major Axes Control Circuit Board Replacement Procedure



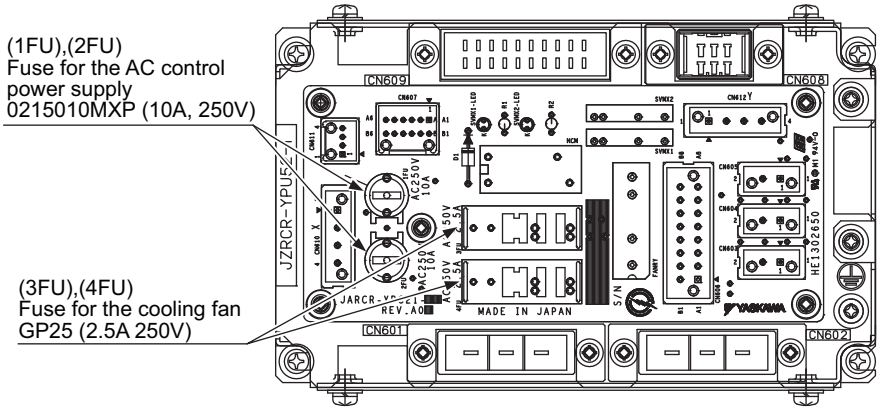
5.1.5 Checking and Replacing Fuses

5.1.5.1 Power ON Unit

The types of fuses on power supply ON unit (JZRCR-YPU5□-△) are as follows.

Parts No.	Fuse Name	Specification
1FU, 2FU	AC Control power supply fuse	0215010MXP 10A, 250V, Time lag fuse (LITTEL)
3FU,4FU	AC cooling fan fuse	GP25, 2.5A, 250V (Daito Communication Apparatus Co., Ltd.)

Fig. 5-16: Power ON Unit (JZRCR-YPU5□-△)



If the fuse is blown, replace it with the same type of fuse (supplied or spare parts).

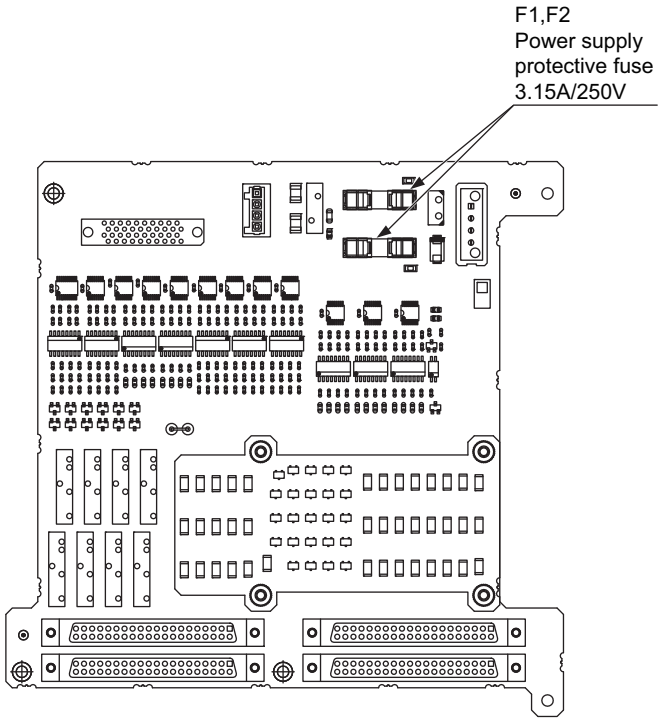
NOTE If the fuse seems to be blown, be sure to investigate its cause, or blown again after the replacement.

5.1.5.2 Universal I/O Circuit Board

The types of fuses on the universal I/O circuit board (JANCD-YIO21-E) are as follows.

Parts No.	Fuse Name	Specification
F1, F2	24VDC fuse for I/O	02173.15P, 250V,3.15A, Rapid cut fuse (LITTEL)

Fig. 5-17: Universal I/O Circuit Board (JANCD-YIO21-E)



If the fuse is blown, replace it with the same type of fuse (supplied or spare parts).

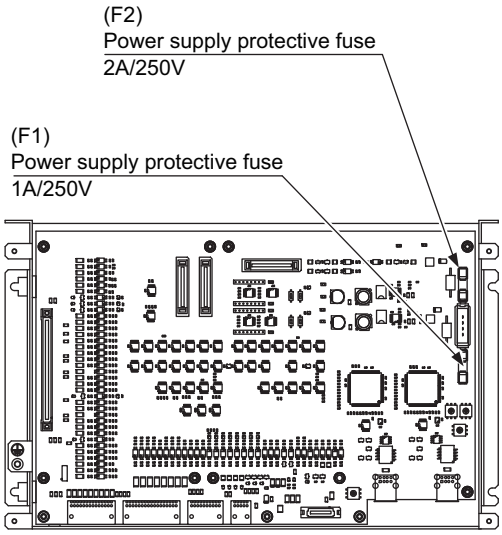
NOTE If the fuse seems to be blown, be sure to investigate its cause, or blown again after the replacement.

5.1.5.3 Machine Safety Logic Circuit Board

The types of fuses on the machine safety logic circuit board (JANCD-YSF22□-E) are as follows.

Parts No.	Fuse Name	Specification
F1	24VDC fuse for I/O	0217001P, Rapid cut fuse (LITTEL)
F2	24VDC fuse for I/O	0217002P, Rapid cut fuse (LITTEL)

Fig. 5-18: Machine Safety Logic Circuit Board (JANCD-YSF22□-E)



If the fuse is blown, replace it with the same type of fuse (supplied or spare parts).

NOTE

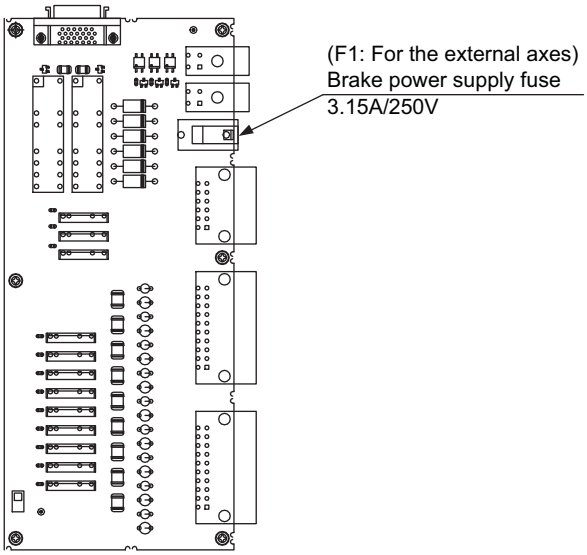
- If the fuse seems to be blown, be sure to investigate its cause, or blown again after the replacement.
- If the F1 fuse becomes blown, it will cause a damage on the inner circuit of the board. Replace the board instead of replacing the fuse.
  (There is no attached spare of the fuse.)

5.1.5.4 Brake Circuit Board

The types of fuse on the brake circuit board (JANCD-YBK21-3E) is as follows.

Parts No.	Fuse Name	Specification
F1	Brake power supply fuse for the external axis	02173.15P, 250V,3.15A, Rapid cut fuse (LITTEL)

Fig. 5-19: Brake Circuit Board (JANCD-YBK21-3E)



If the fuse is blown, replace it with the same type of fuse (supplied or spare parts).

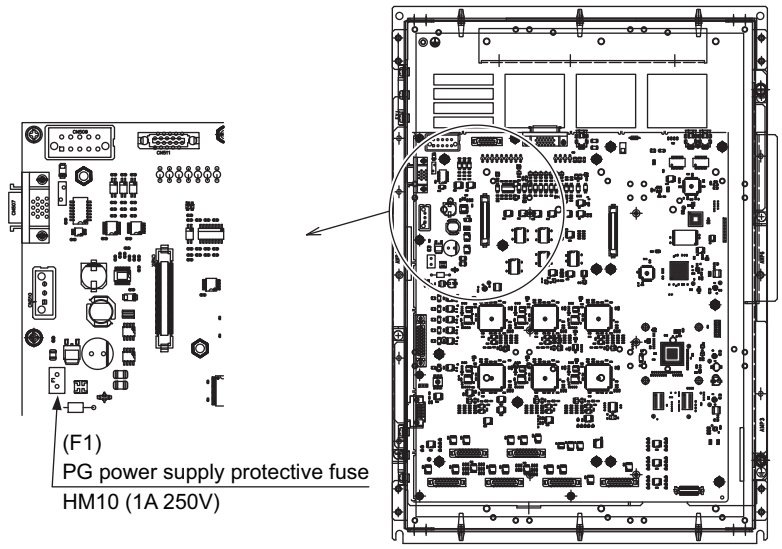
NOTE If the fuse seems to be blown, be sure to investigate its cause, or blown again after the replacement.

5.1.5.5 Major Axes Control Circuit Board

There is a following fuse in the major axes control circuit board (SRDA-EAXA21A).

Parts No.	Name	Specification
F1	PG power supply protective fuse	HM10 250V, 1A Daito Communication Apparatus Cp.,Ltd

Fig. 5-20: Replacement Fuse of the Major Axes Control Circuit Board (SRDA-EAXA21A)



If the fuse is blown, replace it with the same type of fuse (supplied or spare parts).

NOTE If the fuse seems to be blown, be sure to investigate its cause, or blown again after the replacement.

5.1.6 Interior Circulation Fan

5.1.6.1 Replacing the Interior Circulation Fan

NOTE Turn OFF the power before replacing the fan.

■ **Replacement Procedure (for the Interior Air Circulation Fan)**

1. Open the door.
2. Disconnect the lead wire connected to the fan.
3. Remove the two screws of the fan, and remove the interior air circulation fan.
4. Install the new fan and reinstall the screws and the lead wire as follow the Procedure from step 3. to 2.

■ **Replacement Procedure (for the Interior Fan of the Heat Exchanger)**

1. Open the door.
2. Disconnect the lead wire connected to the terminal block of the heat exchanger.
3. Remove the six nuts in the both right and left in the heat exchanger.
4. Remove the screws fixing to the inside fan base of the heat exchanger.
5. Disconnect the lead wire connected to the inside terminal block of the heat exchanger.
6. Remove the two screws of the fan, and remove the interior fan.
7. Install the new heat exchanger and reinstall the nuts and the lead wire as follow the Procedure from step 6. to 2.

■ **Replacement Procedure (for the Exterior Fan of the Heat Exchanger)**

1. Open the door.
2. Disconnect the lead wire connected to the terminal block of the heat exchanger.
3. Remove the six nuts in the both right and left in the heat exchanger.
4. Remove the screws fixing to the outside fan base of the heat exchanger.
5. Disconnect the lead wire connected to the inside terminal block of the heat exchanger.
6. Remove the two screws of the fan, and remove the interior fan.
7. Install the new heat exchanger and reinstall the nuts and the lead wire as follow the Procedure from step 6. to 2.

The area around the lead wire is applied with the dust/water-proof in order to separate the air circulation of the both inside and the outside. When replace the fan, follow the replacement procedure correctly.

Fig. 5-21: Replacement of Interior Circulation Fan

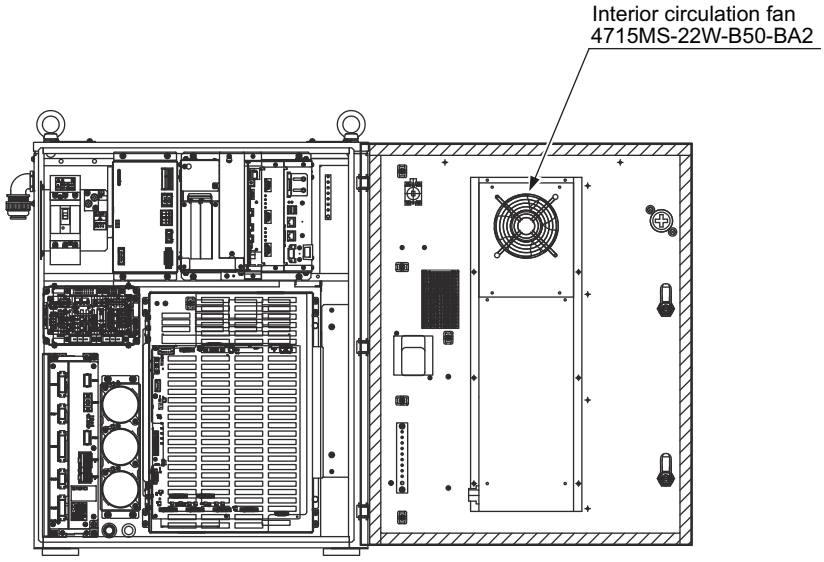
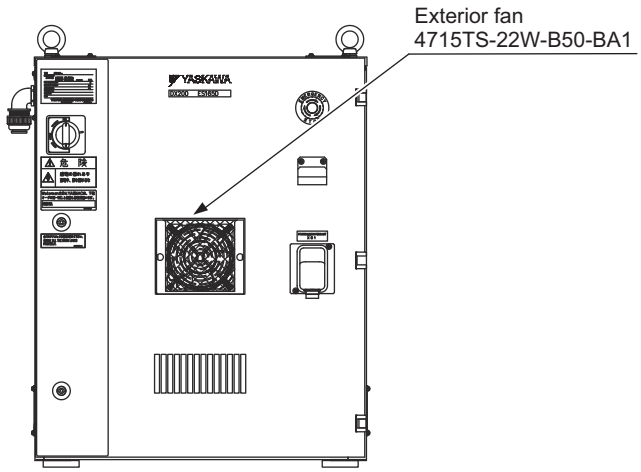


Fig. 5-22: Exterior Fan (Heat Exchanger)



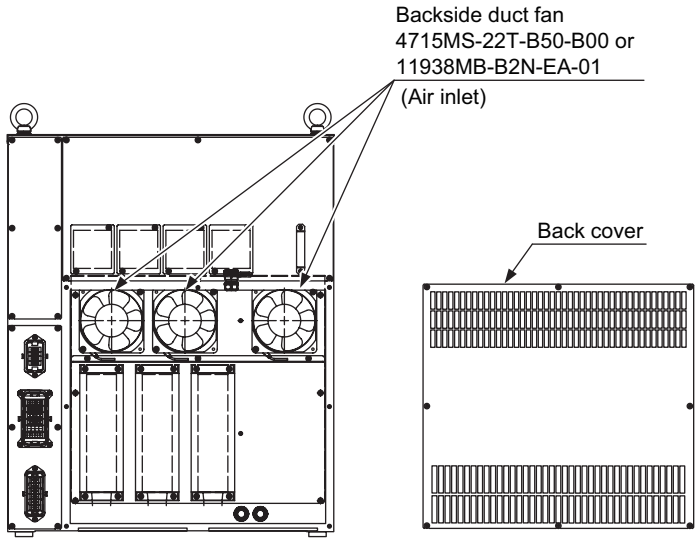
5.1.6.2 Replacing the Backside Duct Fan

NOTE Turn OFF the power before replacing the fan.

■ **Replacement Procedure**

1. Remove the back circuit board.
2. Disconnect plug cables connected to the fan.
   (Remove the grounding wires screwed to the fan.)
3. Remove the screws (2 places) fixing the fan.
4. Uninstall the fan from the controller.
5. Install the new fan to the controller.
6. Tighten the screws (2 places) to fix the fan.
7. Connect all the disconnected cables.
   (Connect the grounding wire firmly.)
8. Mount the back circuit board.

Fig. 5-23: Replacement of Backside Duct Fan



5.1.7 Replacing the Capacitor Module

WARNING

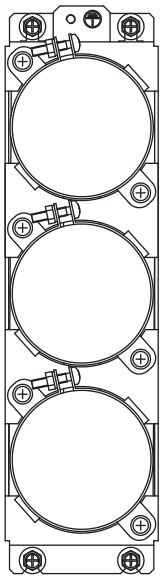
- **After turning OFF the power supply, wait at least 5 minutes before replacing a capacitor module. Do not touch any terminals during this period.**

Failure to observe this warning may result in electric shock.

■ **Replacement Procedure**

1. Turn OFF the breaker and the primary power supply and wait at least 5 minutes before replacement. Do not touch any terminals during this period.
2. Verify that the converter charge lamp (red LED) is unlit.
3. Disconnect all the cables connected to the CN556 of the converter.
4. Remove two upper screws and loosen two lower screws fixing the capacitor module, and remove the capacitor module from the control circuit board by pulling.
5. Remove the two screws fixing the cover to the back board of the capacitor module, and remove the cover.
6. Remove the two screws of the cable connected to the capacitor terminal, and disconnect the cable.
7. Reinstall the other removed cables, screws and the cover as follow the Procedure from step 6. to 3.

Fig. 5-24: Capacitor Module



5.2 DX200 Parts List

SUPPLE-MENT For the models not described in this manual, refer to the DX200 instructions supplement.

Table 5-1: DX200 Parts List (For Medium and Large Capacity)

No.	Name	Model	Comment
1	Amplifier Module	1)	
2	Control power supply unit	JZNC-YPS21-E	
3	Converter	SRDA-COA30A21B-E	
4	CPU unit	JZNC-YRK21-1E	
	CPU circuit board	JANCD-YCP21-E	
	Back board	JANCD-YBB21-E	
	PCI raiser board	JANCD-YBB22-E	
5	Robot I/F circuit board	JANCD-YIF01-□E	
6	Machine safety CPU circuit board	JANCD-YSF21-E	
7	Machine safety I/O logic circuit board	JANCD-YSF22□-E	
8	Machine safety terminal circuit board	JANCD-YFC22-E	
9	Universal I/O circuit board	JANCD-YIO21-E	
10	Power ON unit	JZRCR-YPU5□- Δ	
11	Major axes control circuit board	SRDA-EAXA21A	
12	Brake circuit board	JANCD-YBK21-3E	
13	Heat exchanger	TCSIP-16A4Y-0C	
	Interior fan	4715MS-22W-B50-BA2	
	Exterior fan	4715TS-22W-B50-BA2	
14	Backside duct fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	
15	Power ON unit fuse	0215010MXP 10A, 250V	Time lag fuse
		GP25 2.5A, 250V	Alarm Fuse
	Universal I/O circuit board fuse	02173.15P 3.15A, 250V	Rapid cut fuse
	Machine safety logic circuit board fuse	0217001P 1A, 250V	Rapid cut fuse
		0217002P 2A, 250V	Rapid cut fuse
	Brake circuit board fuse	02173.15P 3.15A, 250V	Rapid cut fuse
	Major axes control circuit board fuse	HM10 1A, 250V	Micro fuse
16	Battery	ER6VC3N 3.6V	

1 The type of the amplifier module depends on the manipulator model. For details, see *Table 5-3 "Amplifier Module List"*

Table 5-2: DX200 Parts List (For Small Capacity)

No.	Name	Model	Comment
1	Amplifier Module	1)	
2	Control power supply unit	JZNC-YPS21-E	
3	Converter	SRDA-COA30A21B-E	
4	CPU unit	JZNC-YRK21-1E	
	CPU circuit board	JANCD-YCP21-E	
	Back board	JANCD-YBB21-E	
	PCI raiser board	JANCD-YBB22-E	
5	Robot I/F circuit board	JANCD-YIF01-□E	
6	Machine safety CPU circuit board	JANCD-YSF21-E	
7	Machine safety I/O logic circuit board	JANCD-YSF22□-E	
8	Machine safety terminal circuit board	JANCD-YFC22□-E	
9	Universal I/O circuit board	JANCD-YIO21-E	
10	Power ON unit	JZRCR-YPU5□- Δ	
11	Major axes control circuit board	SRDA-EAXA21A	
12	Brake circuit board	JANCD-YBK21-3E	
13	Interior fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	
14	Backside duct fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	
15	Power ON unit fuse	0215010MXP 10A, 250V	Time lag fuse
		GP25 2.5A, 250V	Alarm Fuse
	Universal I/O circuit board fuse	02173.15P 3.15A, 250V	Rapid cut fuse
	Machine safety logic circuit board fuse	0217001P 1A, 250V	Rapid cut fuse
		0217002P 2A, 250V	Rapid cut fuse
	Brake circuit board fuse	02173.15P 3.15A, 250V	Rapid cut fuse
	Major axes control circuit board fuse	HM10 1A, 250V	Micro fuse
16	Battery	ER6VC3N 3.6V	

1 The type of the amplifier module depends on the manipulator model. For details, see *Table 5-3 "Amplifier Module List"*

Table 5-3: Amplifier Module List

Component			**MA1440**	**MH12**	**MS210**
Amplifier module	AMP1	S	SRDA-SDA14A01A-E	SRDA-SDA14A01A-E	SRDA-SDA71A01A-E
	AMP2	L	SRDA-SDA21A01A-E	SRDA-SDA21A01A-E	SRDA-SDA71A01A-E
	AMP3	U	SRDA-SDA14A01A-E	SRDA-SDA14A01A-E	SRDA-SDA71A01A-E
	AMP4	R	SRDA-SDA06A01A-E	SRDA-SDA06A01A-E	SRDA-SDA35A01A-E
	AMP5	B	SRDA-SDA06A01A-E	SRDA-SDA06A01A-E	SRDA-SDA35A01A-E
	AMP6	T	SRDA-SDA06A01A-E	SRDA-SDA06A01A-E	SRDA-SDA35A01A-E
Capacitor module			SRDA-CUA662AA	SRDA-CUA662AA	SRDA-CUA133AA

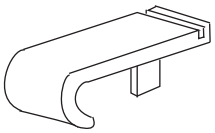
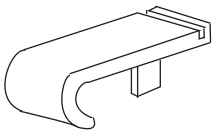
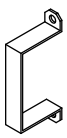
Component			**MH225**	**MS165**	**MH180**
Amplifier module	AMP1	S	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E
	AMP2	L	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E
	AMP3	U	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E	SRDA-SDA71A01A-E
	AMP4	R	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E
	AMP5	B	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E
	AMP6	T	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E	SRDA-SDA35A01A-E
Capacitor module			SRDA-CUA133AA	SRDA-CUA133AA	SRDA-CUA133AA

5.3 Supplied Parts List

The supplied parts of DX200 are as follows.

Parts No.1 to 5 are used for fuse for replacement and No. 6, 7 and 8 are used as a tool for connected the I/O.

Table 5-4: Supplied Parts List

No	Parts Name	Dimensions	Pcs	Model	Application
1	10A Glass-Tube fuse		2	0215010MXP 10A, 250V (LITTEL)	JZRCR-YPU5☐-Δ (1FU, 2FU)
2	3.15A Glass-Tube fuse		3	02173.15P 3.15A, 250V (LITTEL)	JANCD-YSF22☐-E (F1, F2) JANCD-YBK21-3E (F1) JANCD-YIO21-E (F1, F2)
3	2.5A Alarm fuse		2	GP25 2.5A 2.5A, 250V (Daito Communication Apparatus Co., Ltd.)	JZRCR-YPU5☐-Δ (3FU,4FU)
4	Micro fuse		1	HM10 1.0A 250V (Daito Communication Apparatus Co., Ltd.)	SRDA-EAXA21A (F1)
5	2A Glass-Tube fuse		1	0217002P 2A, 250V	JANCD-YSF-22☐-E(F2)
6	WAGO Connector wiring tool		2	231-131 (WAGO Company of Japan, Ltd.)	JZNC-YPS21-E-CN152
7	WAGO Connector wiring tool		1	734-230 (WAGO Company of Japan, Ltd.)	JANCD-YIO21-E-CN303 JANCD-YSF22☐-E-CN211
8	WAGO Terminal block wiring tool		1	210-119SB (WAGO Company of Japan, Ltd.)	JANCD-YFC22-E
9	Cable support		1	HB1400753-1	Back panel of the DX200

5.4 Recommended Spare Parts

It is recommended that the following parts and components be kept in stock as spare parts for the DX200. The spare parts list for the DX200 is shown below. Product performance can not be guaranteed when using spare parts from any company other than Yaskawa. To buy the spare parts which are ranked B or C, inform the manufacturing number (or order number) of DX200 to Yaskawa representative. The spare parts are ranked as follows:

- Rank A: Expendable and frequently replaced parts
- Rank B: Parts for which replacement may be necessary as a result of frequent operation
- Rank C: Drive unit

NOTE For replacing parts in Rank B or Rank C, contact your Yaskawa representative.

SUPPLE-MENT For the models not described in this manual, refer to the DX200 instructions supplement.

Table 5-5: Recommended Spare Parts List of DX200 for MA1440, MH12

Rank	Parts No.	Name	Type	Manufacturer	Qty	Qty per Unit	Remarks
A	1	Battery	ER6VC3N 3.6V	TOSHIBA BATTERY CO., LTD.	1	1	
A	2	Control Power Supply Unit Cooling Fan	JZNC-YZU21-E	Yaskawa Electric Corporation	1	1	
A	3	Interior Circulation Fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	Minebea Co., Ltd	1	1	
A	4	Backside Duct Fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	Minebea Co., Ltd	3	3	
A	5	AC Control Power Supply Fuse	0215010MXP	LITTEL	2	2	
A	6	AC Cooling Fan Fuse	GP25 2.5A,250V	Daito Communication Apparatus Co., Ltd.	22		
A	7	24VDC Fuse for I/O Brake Power Supply Fuse for External Axes	02173.15P 3.15A,250V	LITTEL	3	3	
A	8	PG Power Supply Fuse	HM10 1A,250V	Daito Communication Apparatus Co., Ltd.	1	1	
A	9	DC24V Fuse for I/O	0217002P 2A,250V	LITTEL			
B	10	Amplifier 1, 3	SRDA-SDA14A01A-E	Yaskawa Electric Corporation	2	2	
B	11	Amplifier 2	SRDA-SDA21A01A-E	Yaskawa Electric Corporation	1	1	
B	12	Amplifier 4,5,6	SRDA-SDA06A01A-E	Yaskawa Electric Corporation	3	3	
B	13	Major Axes Control Circuit Board	SRDA-EAXA21A	Yaskawa Electric Corporation	1	1	
B	14	CPU Circuit Board	JANCD-YCP21-E	Yaskawa Electric Corporation	1	1	
B	15	Robot I/F Circuit Board	JANCD-YIF01-□E	Yaskawa Electric Corporation	1	1	
B	16	Machine Safety CPU Circuit Board	JANCD-YSF21-E	Yaskawa Electric Corporation	1	1	
B	17	Machine Safety I/O Logic Circuit Board	JANCD-YSF22□-E	Yaskawa Electric Corporation	1	1	
B	18	Universal I/O Circuit Board	JANCD-YIO21-E	Yaskawa Electric Corporation	1	1	
B	19	Brake Circuit Board	JANCD-YBK21-3E	Yaskawa Electric Corporation	1	1	
C	20	Converter	SRDA-COA30A21B-E	Yaskawa Electric Corporation	1	1	
C	21	CPU Unit	JZNC-YRK21-1E	Yaskawa Electric Corporation	1	1	
C	22	Power ON Unit	JZRCR-YPU5□-Δ	Yaskawa Electric Corporation	1	1	
C	23	Control Power Supply Unit	JZNC-YPS21-E	Yaskawa Electric Corporation	1	1	
C	24	Capacitor Module	SRDA-CUA662AA	Yaskawa Electric Corporation	1	1	
C	25	Programming Pendant	JZRCR-YPP-21-1	Yaskawa Electric Corporation	1	1	With Cable (8M)

Table 5-6: Recommended Spare Parts List of DX200 for MS210

Rank	Parts No.	Name	Type	Manufacturer	Qty	Qty per Unit	Remarks
A	1	Battery	ER6VC3N 3.6V	TOSHIBA BATTERY CO., LTD.	1	1	
A	2	Control Power Supply Unit Cooling Fan	JZNC-YZU21-E	Yaskawa Electric Corporation	1	1	
A	3	Fan for the Heat Exchanger	4715MS-22W-B50-BA2	Minebea Co., Ltd	2	2	
A	4	Backside Duct Fan	4715MS-22T-B50-B00 or 11938MB-B2N-EA-01	Minebea Co., Ltd	3	3	
A	5	AC Control Power Supply Fuse	0215010MXP	LITTEL	2	2	
A	6	AC Cooling Fan Fuse	GP25 2.5A, 250V	Daito Communication Apparatus Co., Ltd.	2	2	
A	7	24VDC Fuse for I/O Brake Power Supply Fuse for External Axes	02173.15P 3.15A, 250V	LITTEL	3	3	
A	8	PG Power Supply Fuse	HM10 1A, 250V	Daito Communication Apparatus Co., Ltd.	1	1	
A	9	DC24V Fuse for I/O	0217002P 2A, 250V	LITTEL	1	1	
B	10	Amplifier 1, 2, 3	SRDA-SDA71A01A-E	Yaskawa Electric Corporation	2	2	
B	11	Amplifier 4, 5, 6	SRDA-SDA35A01A-E	Yaskawa Electric Corporation	3	3	
B	12	Major Axes Control Circuit Board	SRDA-EAXA21A	Yaskawa Electric Corporation	1	1	
B	13	CPU Circuit Board	JANCD-YCP21-E	Yaskawa Electric Corporation	1	1	
B	14	Robot I/F Circuit Board	JANCD-YIF01-□E	Yaskawa Electric Corporation	1	1	
B	15	Machine Safety CPU Circuit Board	JANCD-YSF21-E	Yaskawa Electric Corporation	1	1	
B	16	Machine Safety I/O Logic Circuit Board	JANCD-YSF22□-E	Yaskawa Electric Corporation	1	1	
B	17	Universal I/O Circuit Board	JANCD-YIO21-E	Yaskawa Electric Corporation	1	1	
B	18	Brake Circuit Board	JANCD-YBK21-3E	Yaskawa Electric Corporation	1	1	
B	19	Converter	SRDA-COA30A21B-E	Yaskawa Electric Corporation	1	1	
C	20	CPU Unit	JZNC-YRK21-1E	Yaskawa Electric Corporation	1	1	
C	21	Power ON Unit	JZRCR-YPU5□-Δ	Yaskawa Electric Corporation	1	1	
C	22	Control Power Supply Unit	JZNC-YPS21-E	Yaskawa Electric Corporation	1	1	
C	23	Capacitor Module	SRDA-CUA662AA	Yaskawa Electric Corporation	1	1	
C	24	Programming Pendant	JZRCR-YPP-21-1	Yaskawa Electric Corporation	1	1	With Cable (8M)

6 Operations After Replacing Parts

WARNING

- **Before operating the manipulator, check that the SERVO ON lamp turns OFF when the emergency stop buttons on the front door of the DX200 and the programming pendant are pressed.**

Injury or damage to machinery may result if the manipulator cannot be stopped in case of an emergency.

- **Observe the following precautions when performing teaching operations within the P-point maximum envelope of the manipulator:**
  - **Be sure to use a lockout device to the safeguarding when going inside.**
    Also, display the sign that the operation is being performed inside the safeguarding and make sure no one closes the safeguarding.
  - **View the manipulator from the front whenever possible.**
  - **Always follow the predetermined operating procedure.**
  - **Keep in mind the emergency response measures against the manipulator's unexpected motion toward you.**
  - **Ensure that you have a safe place to retreat in case of emergency.**

Improper or unintended manipulator operation may result in injury.

- **Confirm that no persons are present in the P-point maximum envelope of the manipulator and that you are in a safe location before:**
  - **Turning ON the DX200 power.**
  - **Moving the manipulator with the programming pendant**

Injury may result if anyone enters the P-point maximum envelope of the manipulator during operation.

- **Always press the emergency stop button immediately if there are problems.**

Emergency stop buttons are located at the upper right corner of the front door of the DX200 and on the upper right of the programming pendant.

CAUTION

- **Perform the following inspection procedures prior to conducting manipulator teaching. If problems are found, repair them immediately, and be sure that all other necessary processing has been performed.**

  – Check for problems in manipulator movement.

  – Check for damage to insulation and sheathing of external wires.

  – Always return the programming pendant to the hook on the DX200 cabinet after use.

The programming pendant can be damaged if it is left in the P-point maximum envelope of the manipulator, on the floor, or near fixtures.

6.1 Home Position Calibration

6.1.1 Home Position Calibration

NOTE

Teaching and playback are not possible before home position calibration is complete.

In a system with two or more manipulators, the home position of all the manipulators must be calibrated before starting teaching or playback.

Set the security mode to the management mode to perform home position calibration.

Home position calibration is an operation in which the home position and absolute encoder position coincide. Although this operation is performed prior to shipment at the factory, the following cases require this operation to be performed again.

- Change in the combination of the manipulator and DX200
- Replacement of the motor or absolute encoder
- Clearing stored memory (by replacement of YIF01 circuit board, weak battery, etc.)
- Home position deviation caused by hitting the manipulator against a workpiece, etc.

To calibrate the home position, use the axis keys to calibrate the mark for the home position on each axis so that the manipulator can take its posture for the home position. There are two operations for home position calibration:

- All the axes can be moved at the same time
- Axes can be moved individually

If the absolute data of the home position is already known, set the absolute data again after completing home position registration.

SUPPLE-MENT

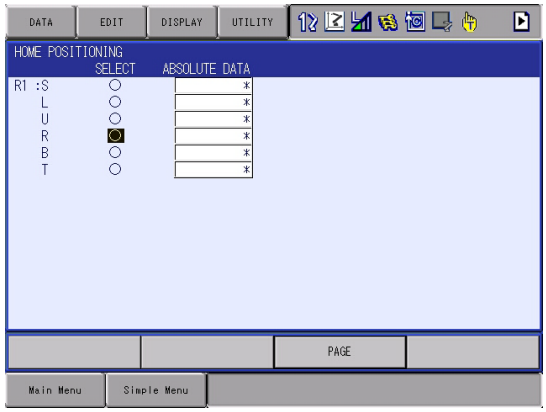
Home Position

The home position is the position with the pulse value "0" for each axis. See *section 6.1.3 “Manipulator Home Position” on page 6-9*.

6.1.2 Calibrating Operation

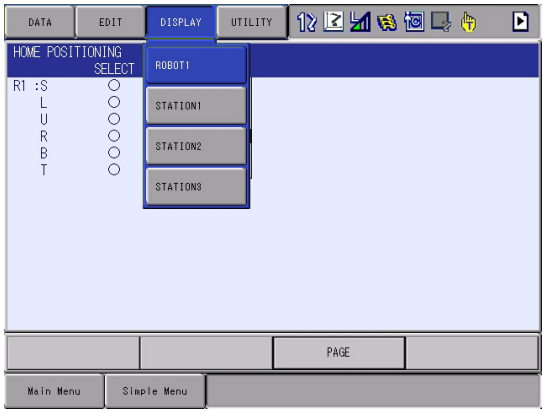
6.1.2.1 Registering All Axes at One Time

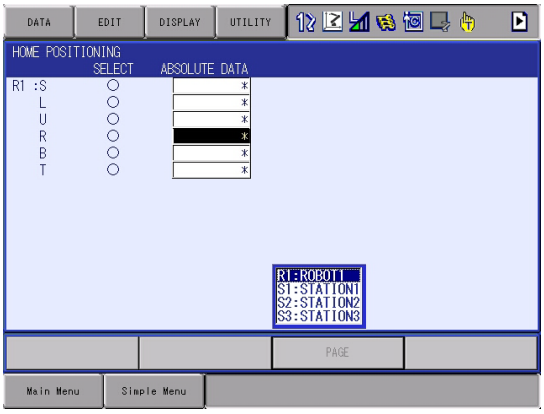
1. Select {ROBOT} under the main menu.
2. Select {HOME POSITION}.
   – The HOME POSITIONING window appears.



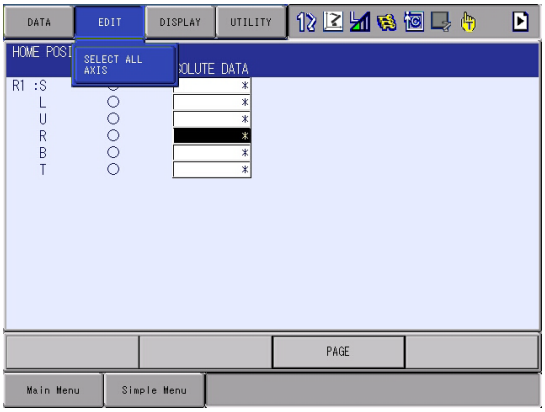
3. Select {DISPLAY} under the menu,

or select "PAGE" to display the selection window for the control group, or press [PAGE].
   – The pull-down menu appears.

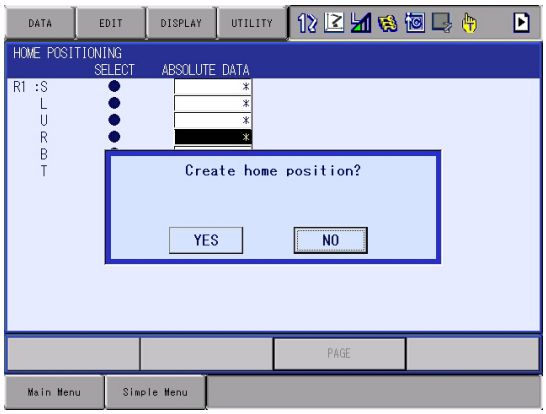




4. Select the desired control group.
5. Select {EDIT} under the menu.
   – The pull-down menu appears.



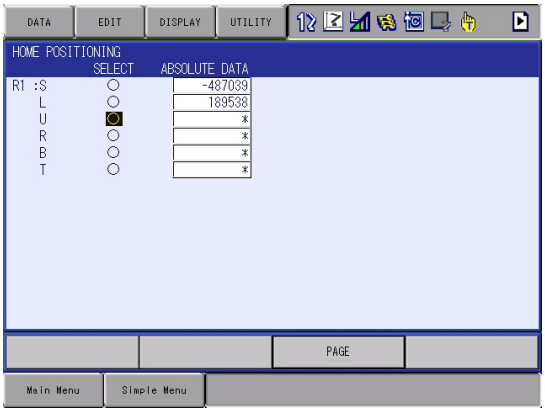
6. Select {SELECT ALL AXES}.
   – The confirmation dialog box appears.



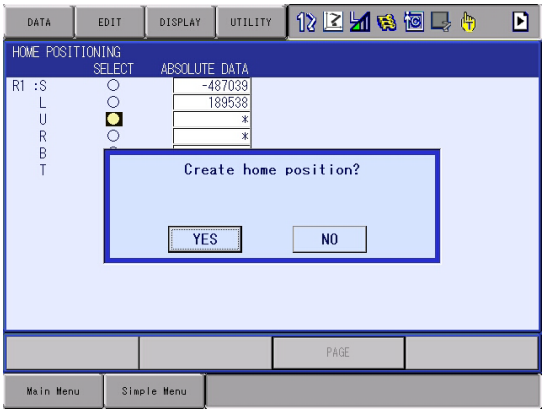
7. Select “YES.”
   – Displayed position data of all axes are registered as home position. When “NO” is selected, the registration will be canceled.

6.1.2.2 Registering Individual Axes

1. Select {ROBOT} under the main menu.
2. Select {HOME POSITION}.
3. Select the desired control group.
   – Perform steps 3 and 4 which have been described in "Registering All Axes at One Time" to select the desired control group.
4. Select the axis to be registered.



   – The confirmation dialog box appears.

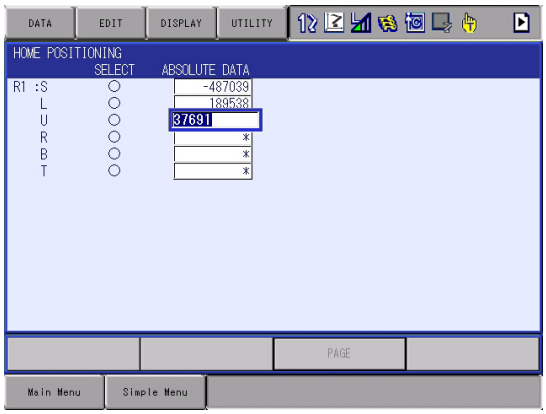


5. Select "YES".
   – Displayed position data of the axis are registered as home position. When “NO” is selected, the registration will be canceled.

6.1.2.3 Changing the Absolute Data

To change the absolute data of the axis when home position calibration is completed, perform the following:

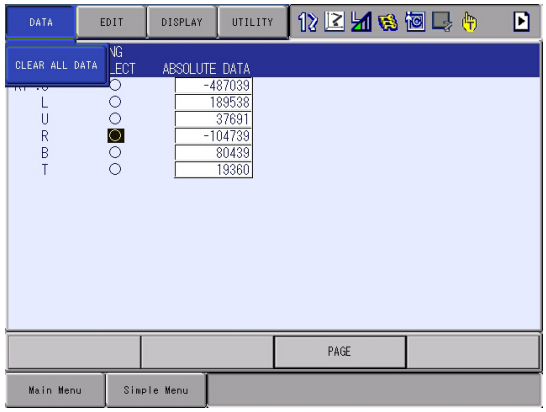
1. Select {ROBOT} under the main menu.
2. Select {HOME POSITION}.
3. Select the desired control group.
   – Perform steps 3 and 4 which have been described in "*section 6.1.2.1 “Registering All Axes at One Time” on page 6-4* to select the desired control group
4. Select the absolute data to be registered.
   – The number can now be entered.



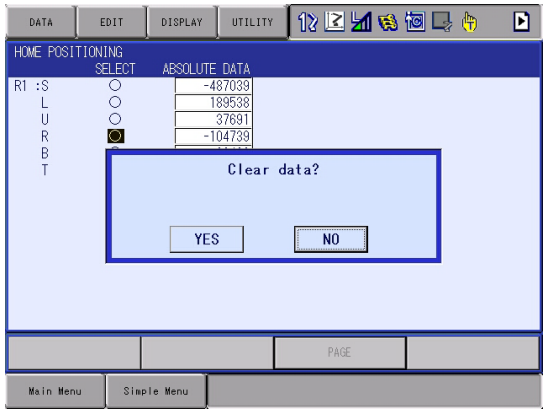
5. Enter the absolute data using the numeric keys.
6. Press [ENTER].
   – Absolute data are modified.

6.1.2.4 Clearing Absolute Data

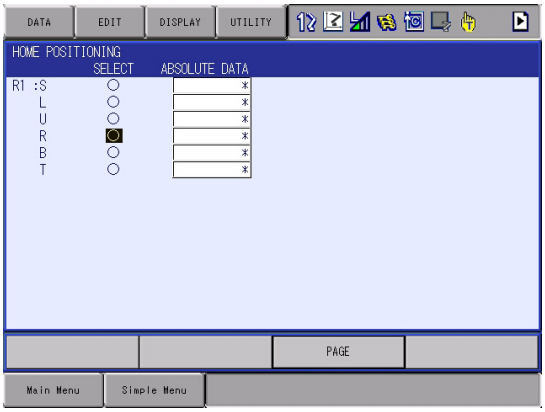
1. Select {ROBOT} under the main menu.
2. Select {HOME POSITION}.
   – Perform steps 2, 3, and 4 which have been described in *section 6.1.2.1 “Registering All Axes at One Time” on page 6-4* to display the HOME POSITIONING window and select the desired control group.
3. Select {DATA} under the menu.
   – The pull-down menu appears.



4. Select {CLEAR ALL DATA}.
   – The confirmation dialog box appears.

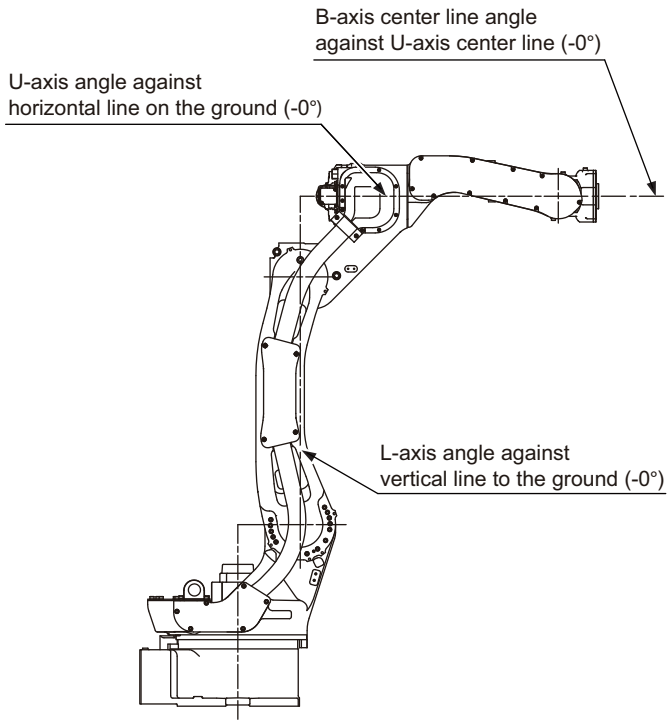


5. Select "YES".
   – The all absolute data are cleared. When "NO" is selected, the operation will be canceled.



6.1.3 Manipulator Home Position

With the MOTOMAN-VA1400, the home position is as follows.

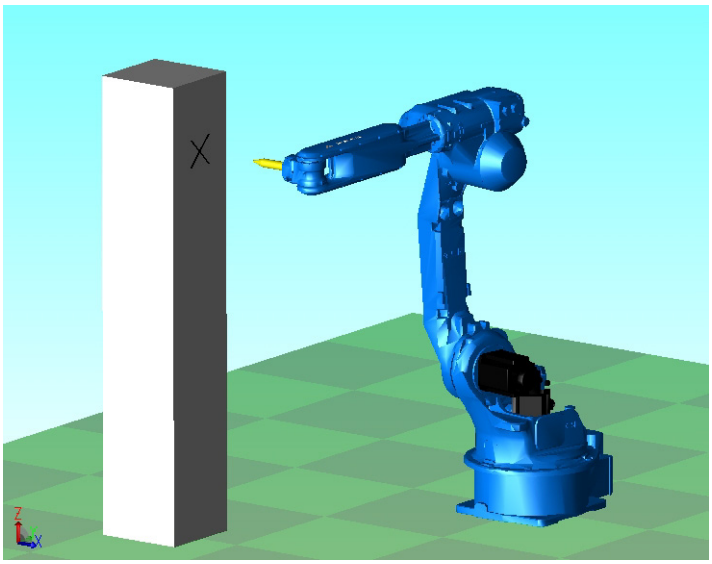


NOTE Other manipulator models have different positions. Always consult the documentation for the correct manipulator model.

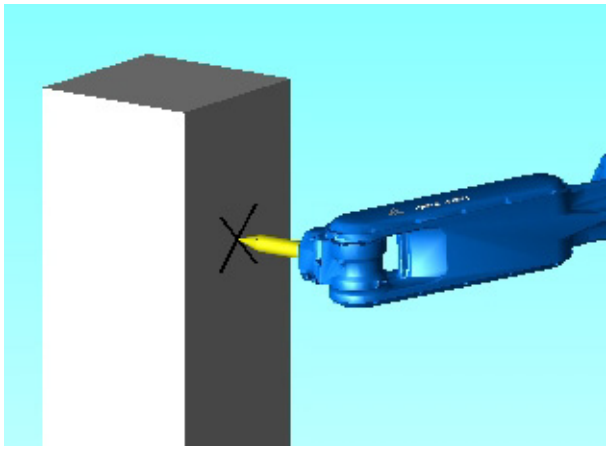
6.2 Position Deviation Check Using the Check Program

Use the check program to check if positions are deviated with the following procedure.

1. Call up the check program in which the check point is taught (the job for) and operate the manipulator at low speed.



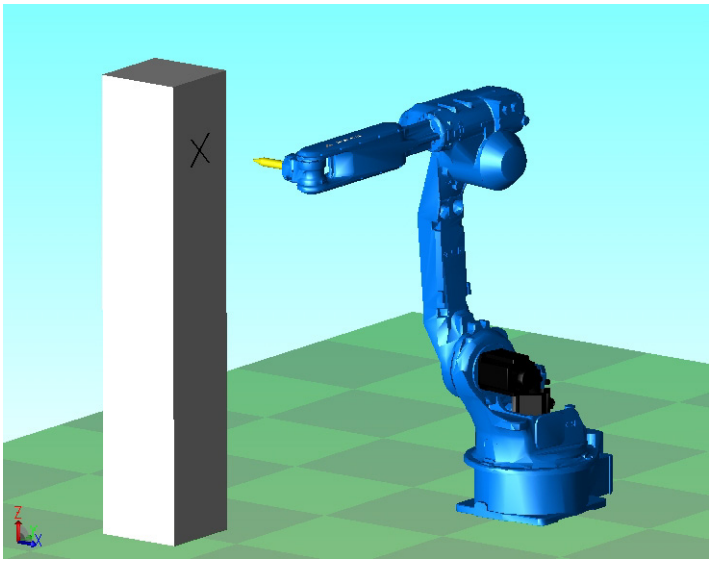
2. Check the tool tip position.
   - If it points the check point exactly as shown in the following figure, there is no deviation from the positions. Proceed to *section 6.4 “Setting the Second Home Position (Check Point)” on page 6-13*.
   - If not, there is a deviation. When the motor or encoder, etc. was replaced, move the corresponding axis only, when the stored memory was cleared or the manipulator was hit against a workpiece, move all axes, to the check point by joint motion. Then, proceed to *section 6.3.3 “Home Position Data Correction” on page 6-12*.



6.3 Checking of the Check Program

6.3.1 Motion of the Check Program

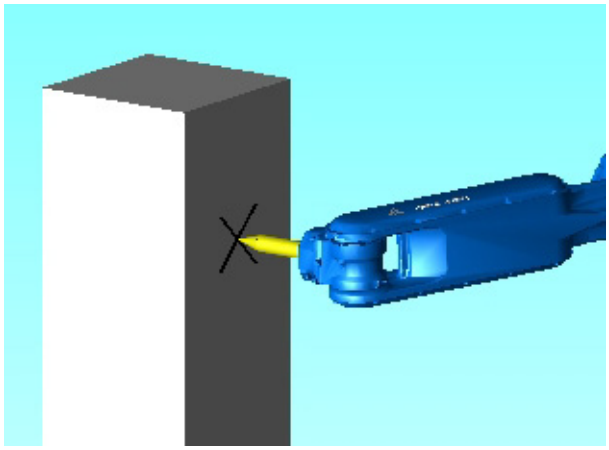
Call up the check program in which the check point is taught (the job for avoiding the position deviation) and operate the manipulator at low speed.



6.3.2 Checking of the Check Program

Check the deviation in to the check point. If the tool tip position is deviated, there is a deviation.

When the motor or encoder, etc. was replaced, move the corresponding axis only, when the stored memory was cleared or the manipulator was hit against a workpiece, move all axes, to the check point by joint motion.



6.3.3 Home Position Data Correction

When there is a deviation from the positions, correct the home position data with the following procedure.

1. Check the values of the following pulses.
   - If there is no deviation, the following two values coincide. Then, proceed to *section 6.4 "Setting the Second Home Position (Check Point)" on page 6-13*.
   - If there is a deviation, execute the following procedures to correct it.

   (1) Command position pulse of the check point which was taught in advance

   Displaying the Command Position Pulse

   I) Select {ROBOT} under the main menu.

   II) Select {COMMAND POSITION}.

   (2) Current position pulse where the manipulator (tool tip) was moved to the check point after performing the check program

   Displaying the Current Position Pulse

   I) Select {ROBOT} under the main menu.

   II) Select {CURRENT POSITION}.

2. Calculate the difference between the command position pulse and the current position pulse.

   The difference pulse = Command position pulse – Current position pulse
3. On the HOME POSITIONING window, add the difference pulse value to the absolute data of the axis whose motor or encoder, etc. was replaced.
4. Modify the home position data by following the procedures described in *section 6.1.2.3 "Changing the Absolute Data" on page 6-7* in chapter 6.1.2.
5. Confirm that the command position pulse and the current position pulse coincide.
   - The home position data have been corrected.
   - Proceed to *section 6.4 "Setting the Second Home Position (Check Point)" on page 6-13*.

6.4 Setting the Second Home Position (Check Point)

WARNING

- **Be aware of safety hazards when performing the position confirmation of the second home position (check point).**

Abnormality of the PG system may be a cause for alarm. The manipulator may operate in an unexpected manner, and there is a risk of damage to equipment or injury to personnel.

- **Before operating the manipulator, check that the SERVO ON lamp goes out when the emergency stop buttons on the front door of DX200 and the programming pendant are pressed.**

Injury or damage to machinery may result if the manipulator cannot be stopped in case of an emergency.

- **Observe the following precautions when performing teaching operations within the P-point maximum envelope of the manipulator:**
  - **Be sure to use a lockout device to the safeguarding when going inside.**
    Also, display the sign that the operation is being performed inside the safeguarding and make sure no one closes the safeguarding.
  - **View the manipulator from the front whenever possible.**
  - **Always follow the predetermined operating procedure.**
  - **Keep in mind the emergency response measures against the manipulator's unexpected motion toward you.**
  - **Ensure that you have a safe place to retreat in case of emergency.**

Improper or unintended manipulator operation may result in injury.

- **Prior to performing the following operations, be sure that no one is in the P-point maximum envelope of the manipulator, and be sure that you are in a safe place when:**
  - **Turning ON the DX200 power.**
  - **Moving the manipulator with the programming pendant.**
  - **Running the system in the check mode.**
  - **Performing automatic operations.**

Injury may result from contact with the manipulator if persons enter the P-point maximum envelope of the manipulator.

- **Always press the emergency stop button immediately if there are problems.**

Emergency stop buttons are attached on the right of the front door of the DX200 and the programming pendant.

CAUTION

- **Perform the following inspection procedures prior to teaching the manipulator. If problems are found, correct them immediately, and be sure that all other necessary tasks have been performed.**
  - **Check for problems in manipulator movement.**
  - **Check for damage to the insulation and sheathing of external wires.**
  - **Always return the programming pendant to its hook on the DX200 cabinet after use.**

If the programming pendant is inadvertently left on the manipulator, a fixture, or on the floor, the manipulator or a tool could collide with it during manipulator movement, possibly causing injury or equipment damage.

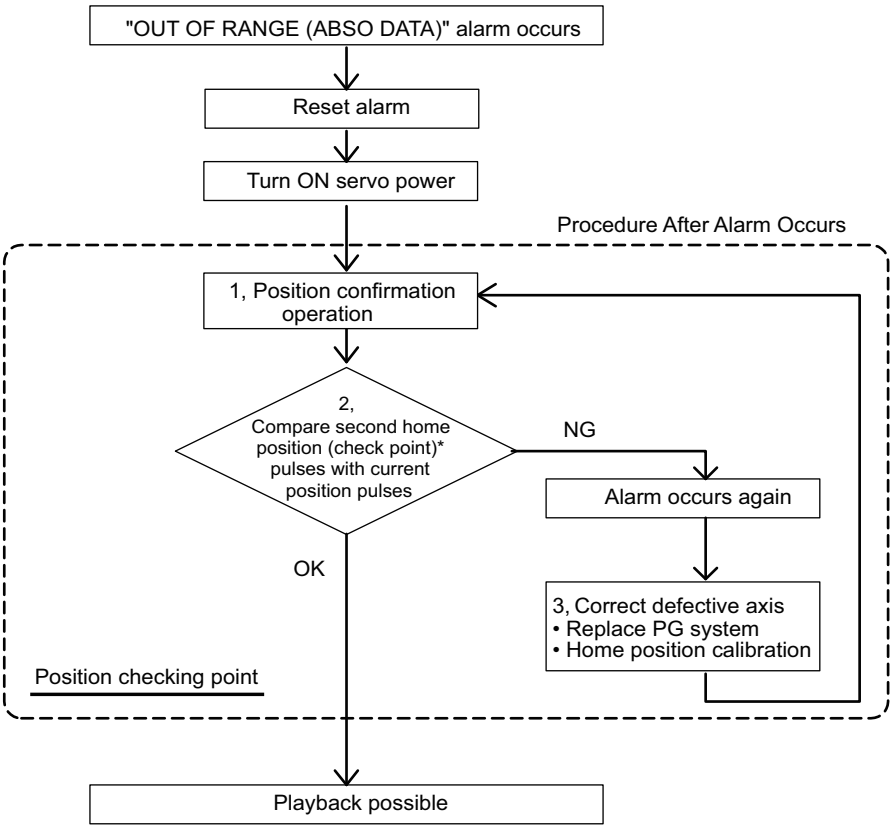
6.4.1 Purpose of Position Check Operation

If the absolute number of rotation detected at power supply ON does not match the data stored in the absolute encoder the last time the power supply was turned off, an alarm is issued when the controller power is turned ON.

There are two possible causes of this alarm:

- Error in the PG system
- The manipulator was moved after the power supply was turned OFF.

If there is an error with the PG system, the manipulator may stall when playback is started. If the absolute data allowable range error alarm has occurred, playback and test runs will not function and the position must be checked.



1, Position Check

After the "OUT OF RANGE (ABSO DATA)" alarm occurs, move to the second home position using the axis keys and perform the position confirmation. Playback and test runs will not function unless "CONFIRM POSITION" is performed.

2, Pulse Difference Check

The pulse number at the second home position is compared with that at the current position. If the difference is within the allowable range, playback is enabled. If not, the alarm occurs again.

- The allowable range pulse is the number of pulses per rotation of the motor (PPR data).
- The initial value of the second home position is the home position (where all axes are at pulse 0). The second home position can be changed. For details, refer to *section 6.4.2 "Procedure for the Second Home Position Setting (Check Point)" on page 6-17*.

3, Alarm Occurrence

If the alarm occurs again, there may be an error in the PG system. Check the system. After adjusting the erroneous axis, calibrate the home position of the axis, then check the position again.

NOTE

- Home position calibration of all the axes at the same time enables playback operations without having to check the position.
- Sometimes in a system with a manipulator that has no brake, it is possible to enable playback without position checking after the alarm occurs. **However, as a rule, always perform "CONFIRM POSITION".** Under the above special conditions, the manipulator moves as follows:

After starting, the manipulator moves at low speed (1/10 of the maximum speed) to the step indicated by the cursor.

If it is stopped and restarted during this motion, the low speed setting is retained until the step at cursor is reached. Regardless of cycle setting, the manipulator stops after the cursor step is reached.

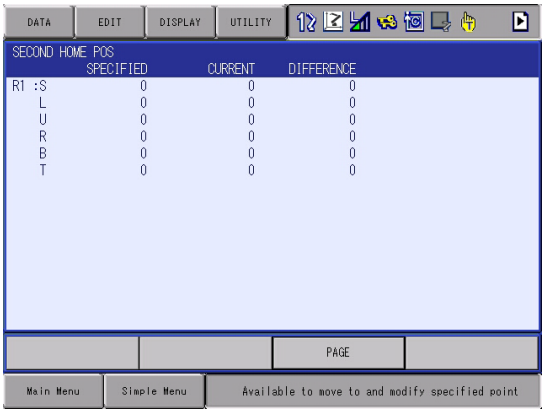
Starting the manipulator again then moves it at the programmed speed and cycle of the job.

6.4.2 Procedure for the Second Home Position Setting (Check Point)

Apart from the "home position" of the manipulator, the second home position can be set up as a check point for absolute data. Use the following steps to set the specified point.

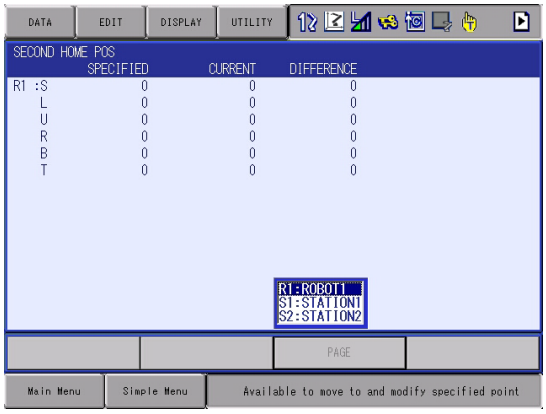
If two or more manipulators or stations are controlled by one controller, the second home position must be set for each manipulator or station.

1. Select {ROBOT} under the main menu.
2. Select {SECOND HOME POS}.
   – The SECOND HOME POS window appears.
   The message “Available to move to and modify specified point” is shown.



3. Press the page key [PAGE],

or select "PAGE" to display the selection window for the control group.
   – The group axes by which the second home position is set is selected when there are two or more group axes.



4. Press the axis keys.
   – Move the manipulator to the new second home position.

5. Press [MODIFY] and [ENTER].
   – The second home position is changed.

6.4.3 Procedure after the Alarm

WARNING

- **Be aware of safety hazards when performing the position confirmation of the specified point.**

Abnormality of the PG system may be cause for alarm. The manipulator may operate in an unexpected manner, and there is a risk of damage to equipment or injury to personnel.

If the "OUT OF RANGE (ABSO DATA)" alarm occurs, perform the followings

- Reset the alarm
- Turn Servo power ON

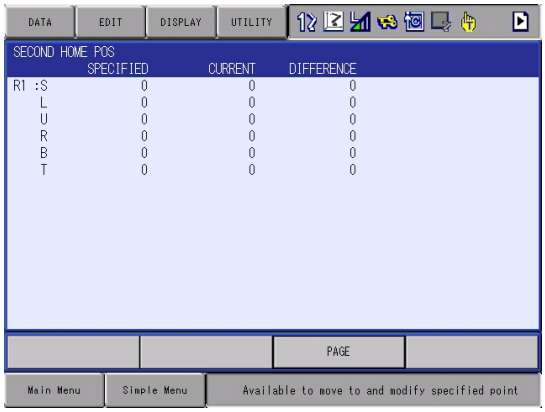
and confirm the second home position. After the confirmation, if the PG system is found to be the cause of the alarm, perform the necessary operation, such as replacing the PG, etc.

The robot current position data when turning main power supply OFF and ON can be confirmed in “POWER ON/OFF POS" window.

SUPPLE-MENT

Refer to *section 7.7 “Position Data When Power is Turned ON/OFF” on page 7-23* for details on the “POWER ON/OFF POS" window.

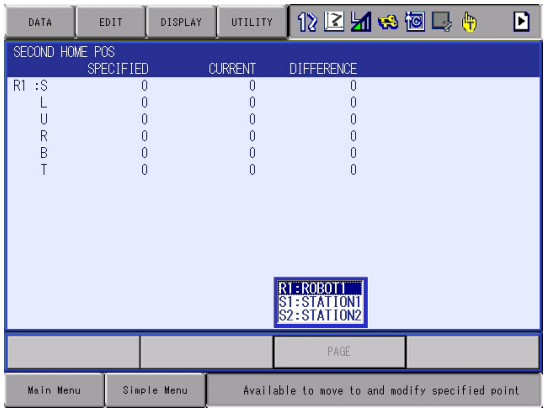
1. Select {ROBOT} under the main menu.
2. Select {SECOND HOME POS}.
   – The SECOND HOME POS window appears.



3. Press the page key [PAGE].

or select "PAGE" to display the selection window for the control group.

– The group axes by which the second home position is set is selected when there are two or more group axes.



4. Press [FWD].

– TCP moves to the second home position. The robot moving speed is set as selected manual speed.

5. Select {DATA} under the menu.
6. Select {CONFIRM POSITION}.

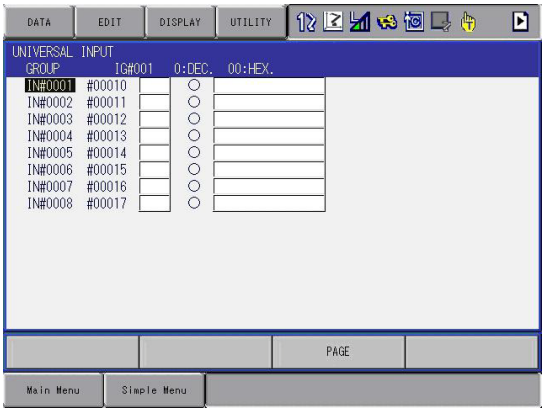
– The message “Home position checked” is shown.
Pulse data of the second home position and current pulse data are compared. If the compared error is in allowed range, playback operation can be done.
If the error is beyond the allowed range, the alarm occurs again.

7 System Diagnosis

7.1 System Version

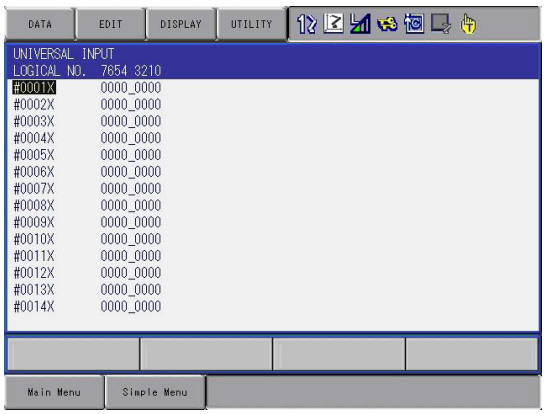
It is possible to check the system CPU version information as follows.

1. Select {SYSTEM INFO} under the main menu.
2. Select {VERSION}.
   – The VERSION window appears.



7.2 Manipulator Model

1. Select {ROBOT} under the main menu.
2. Select {MANIPULATOR TYPE}.
   – The ROBOT AXIS CONFIG window appears.



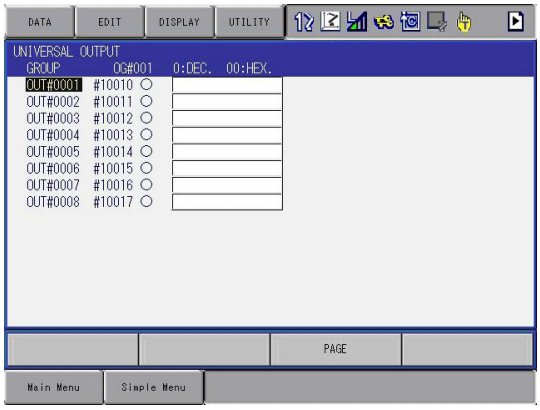
7.3 Input/Output Status

7.3.1 Universal Input

The status of input signal which is referred to by input instruction of a job can be confirmed.

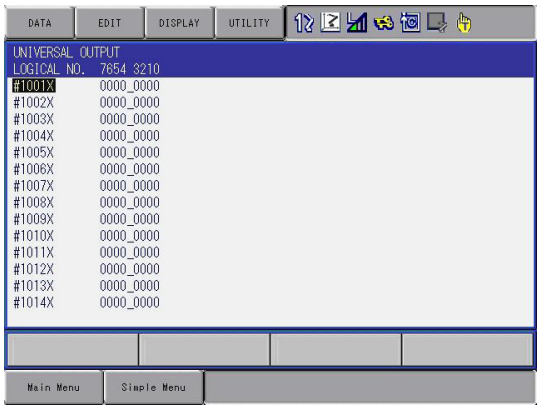
7.3.1.1 Universal Input Window

1. Select {IN/OUT} under the main menu.
2. Select {UNIVERSAL INPUT}.
   – The UNIVERSAL INPUT window appears.



7.3.1.2 Universal Input Simple Window

1. Select {IN/OUT} under the main menu.
2. Select {UNIVERSAL INPUT}.
   – The UNIVERSAL INPUT window appears.
3. Select {SIMPLE} from the pull-down menu of {DISPLAY}.
   – The UNIVERSAL INPUT simple window appears.

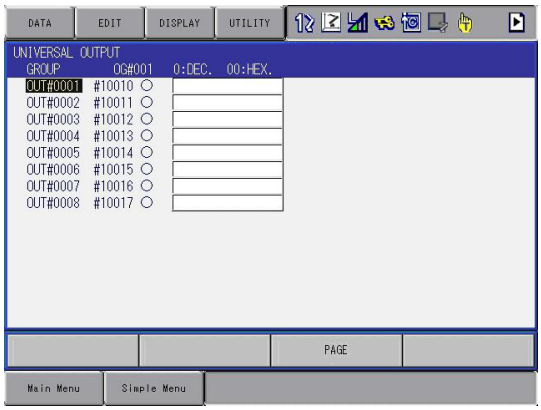


7.3.2 Universal Output

The status of the output signal set by the output instruction can be confirmed and modified.

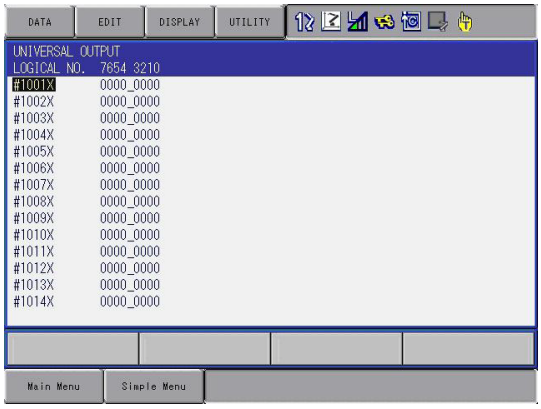
7.3.2.1 Universal Output Window

1. Select {IN/OUT} under the main menu.
2. Select {UNIVERSAL OUTPUT}.
   – The UNIVERSAL OUTPUT window appears.



7.3.2.2 Universal Output Simple Window

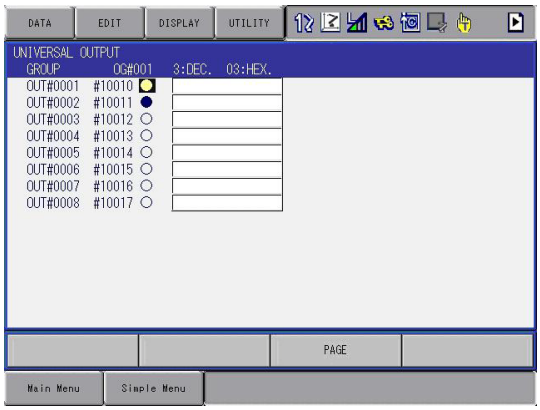
1. Select {IN/OUT} under the main menu.
2. Select {UNIVERSAL OUTPUT}.
   – The UNIVERSAL OUTPUT window appears.
3. Select {SIMPLE} from the pull-down menu of {DISPLAY}.
   – The UNIVERSAL OUTPUT simple window appears.



7.3.2.3 Modifying the Output Status

The status of universal output signal can be changed by the operation below.

1. Select the desired output signal number.
   – Select the status of the desired output signal, “○” or “●” in the UNIVERSAL OUTPUT window.
2. Press [INTER LOCK] + [SELECT].
   – The status is changed. (●: ON status, ○: OFF status)

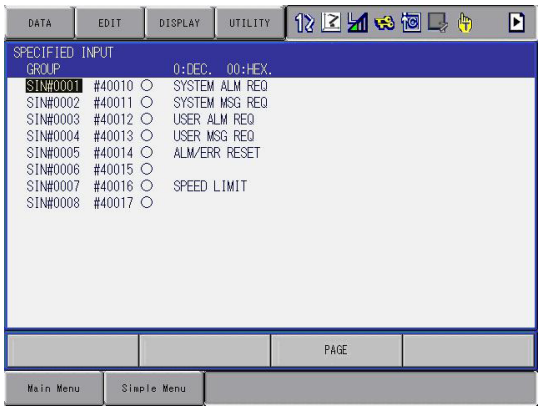


NOTE The status of universal output signal can be changed only when the mode is set to the teach mode.

7.3.3 Specific Input

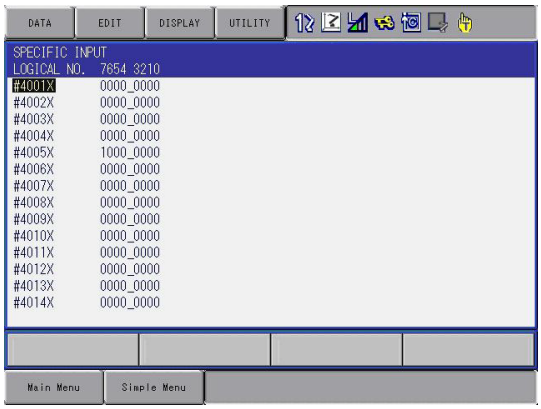
7.3.3.1 Specific Input Window

1. Select {IN/OUT} under the main menu.
2. Select {SPECIFIC INPUT}.
   – The SPECIFIED INPUT window appears.



7.3.3.2 Specific Input Simple Window

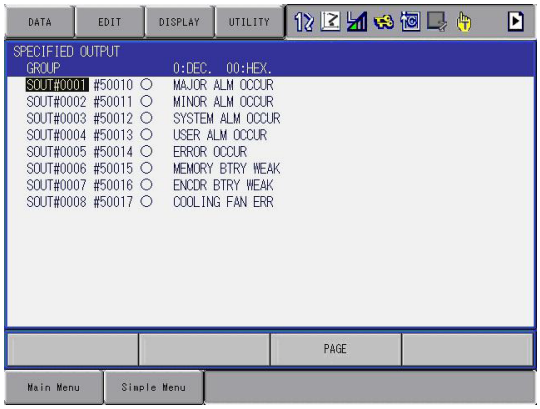
1. Select {IN/OUT} under the main menu.
2. Select {SPECIFIC INPUT}.
   – The SPECIFIED INPUT window appears.
3. Select {SIMPLE} from the pull-down menu of {DISPLAY}.
   – The SPECIFIED INPUT simple window appears.



7.3.4 Specific Output

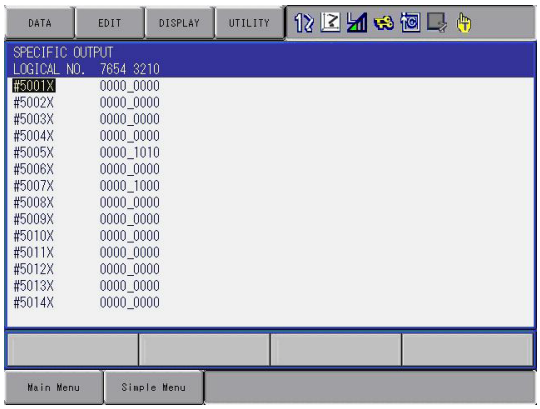
7.3.4.1 Specific Output Window

1. Select {IN/OUT} under the main menu.
2. Select {SPECIFIC OUTPUT}.
   – The SPECIFIED OUTPUT window appears.



7.3.4.2 Specific Output Simple Window

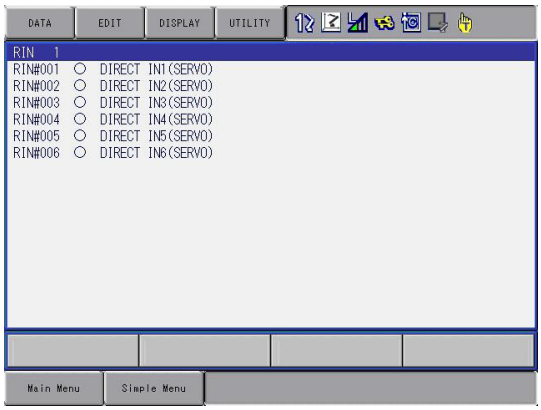
1. Select {IN/OUT} under the main menu.
2. Select {SPECIFIC OUTPUT}.
   – The SPECIFIED OUTPUT window appears.
3. Select {SIMPLE} from the pull-down menu of {DISPLAY}.
   – The SPECIFIED OUTPUT simple window appears.



7.3.5 RIN Input

7.3.5.1 RIN Input Window

1. Select {IN/OUT} under the main menu.
2. Select {RIN}.
   – The RIN window appears.



7.3.6 Signal Number Search

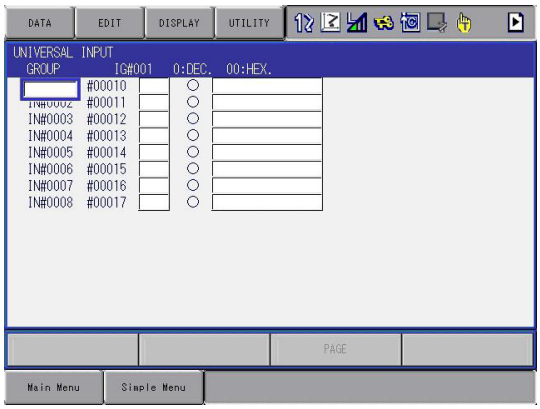
A search can be made for a signal number of a universal input, universal output, specific input, and specific output.

A search for the signal number can be made in the following two ways.

- Direct search on the UNIVERSAL/SPECIFIED INPUT/OUTPUT window
- Search from the menu

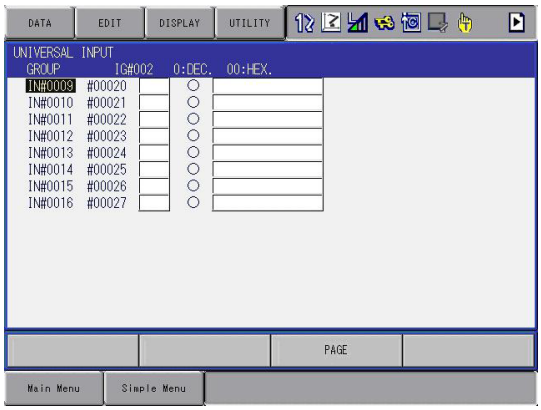
7.3.6.1 Direct Search on the Universal/Specified Input/Output Window

1. Move the cursor to a signal number in the UNIVERSAL/SPECIFIED INPUT/OUTPUT window, and press [SELECT].
   – Numeric values can now be entered.



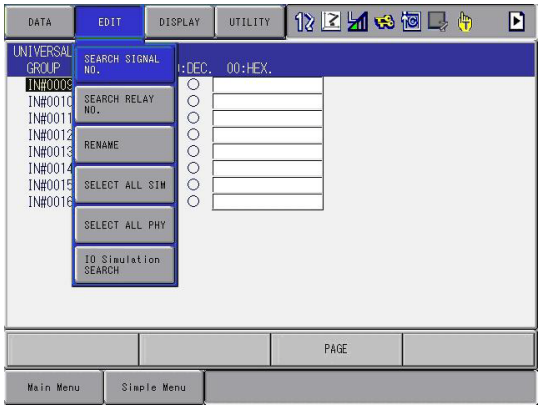
2. Enter the signal number to be searched.
   – Type the signal number in the number input line.

3. Press [ENTER] to start the search.
   – The page where the signal number exists appears.

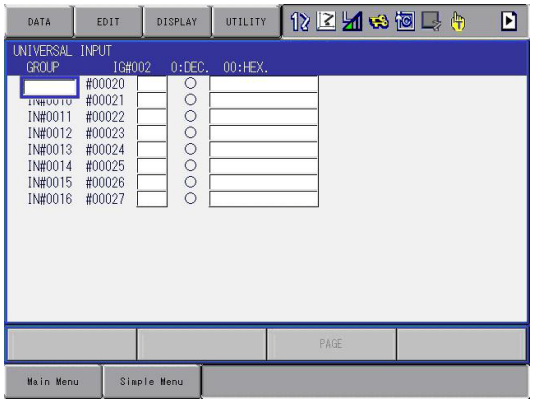


7.3.6.2 Search from the Menu

1. Select {EDIT} under the menu in the UNIVERSAL/SPECIFIED INPUT/ OUTPUT window.
   – The pull-down menu appears.



2. Select {SEARCH SIGNAL NO.}.
   – Numeric values can now be entered.

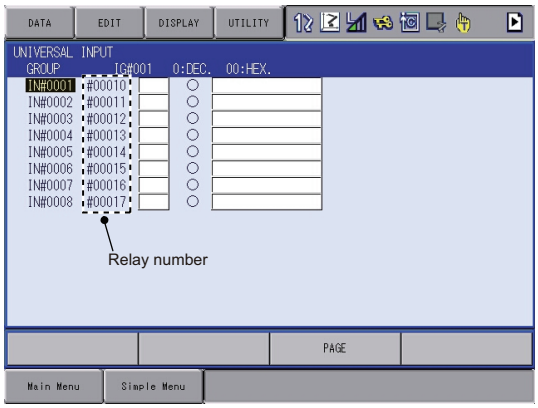


3. Enter the signal number to be searched.
   – Type the signal number in the number input line.

4. Press [ENTER] to start the search.
   – The page where the signal number exists appears.

7.3.7 Relay Number Search

A search can be made for a relay number of a universal input, universal output, specific input, and specific output.

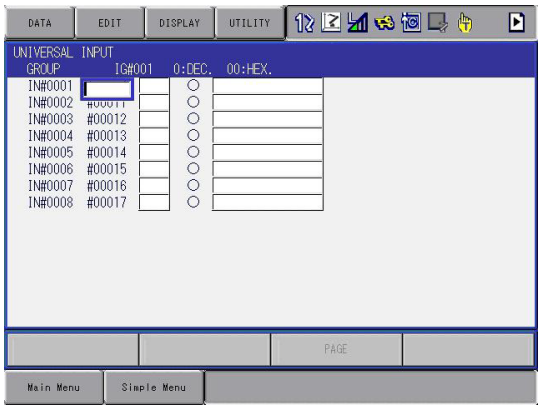


A search for the relay number can be made in the following two ways.

- Direct search on the UNIVERSAL/SPECIFIED INPUT/OUTPUT window
- Search from the menu

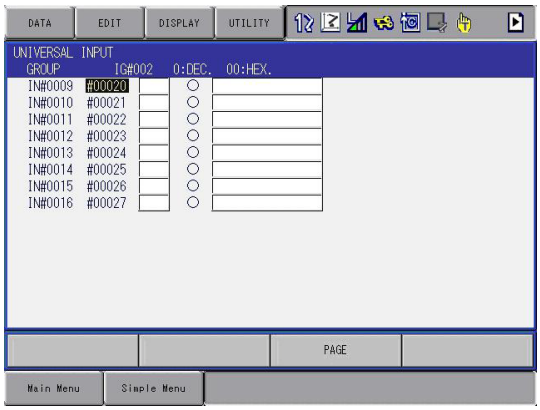
7.3.7.1 Direct Search on the Universal/Specified Input/Output Window

1. Move the cursor to a relay number in the UNIVERSAL/SPECIFIED INPUT/OUTPUT window, and press [SELECT].
   – Numeric values can now be entered.



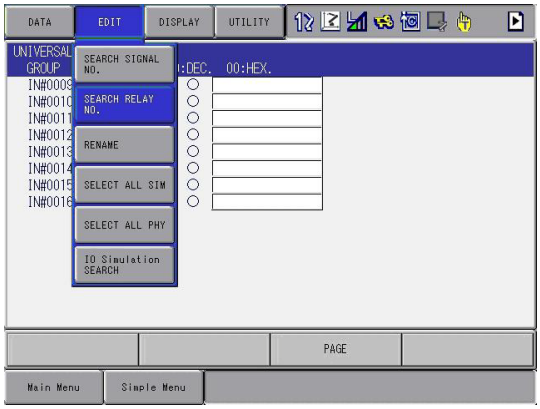
2. Enter the relay number to be searched.
   – Type the relay number in the number input line.

3. Press [ENTER] to start the search.
   – The page where the relay number exists appears.

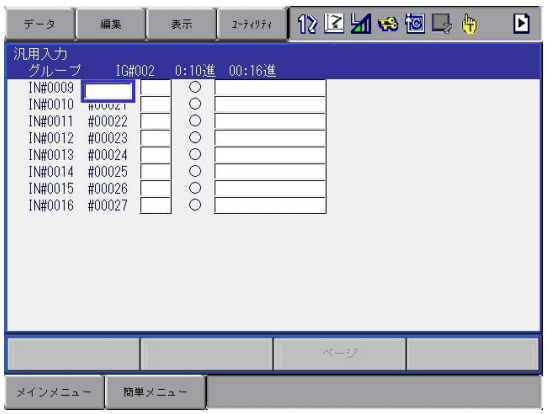


7.3.7.2 Search from the Menu

1. Select {EDIT} under the menu in the UNIVERSAL/SPECIFIED INPUT/ OUTPUT window.
   – The pull-down menu appears.



2. Select {SEARCH RELAY SIGNAL NO.}.
   – Numeric values can now be entered.

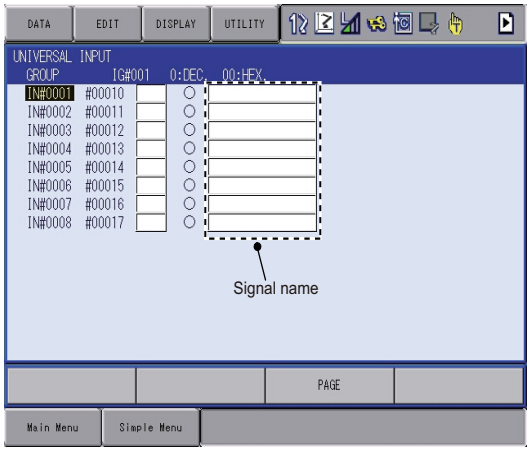


3. Enter the relay number to be searched.
   – Type the relay number in the number input line.

4. Press [ENTER] to start the search.
   – The page where the relay number exists appears.

7.3.8 Modification of the Signal Name

The name of the universal input or output signal can be modified.

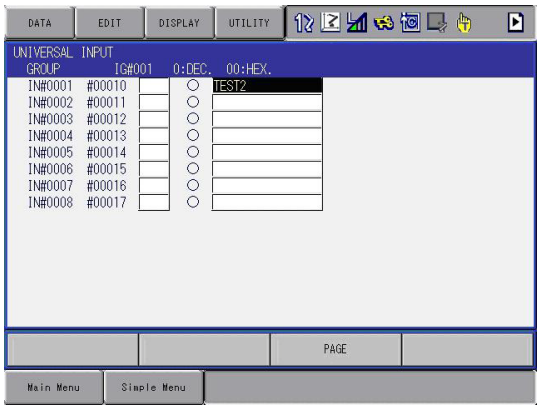


The name can be modified in the following two ways.

- Direct modification on the UNIVERSAL/SPECIFIED INPUT/OUTPUT window.
- Modification from the menu

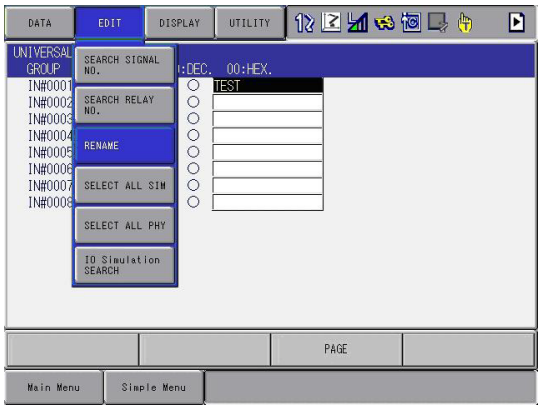
7.3.8.1 Direct Modification on the Universal/Specified Input/Output Window

1. Move the cursor to the signal name to be modified in the UNIVERSAL/ SPECIFIED INPUT/OUTPUT window, and press [SELECT].
   – The window for character input appears.
2. Enter the signal name.
3. Press [ENTER].
   – New signal name is registered.

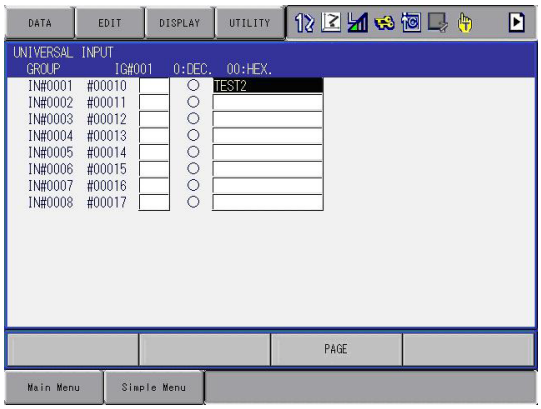


7.3.8.2 Modification from the Menu

1. Move the cursor to the signal name to be modified in the UNIVERSAL/ SPECIFIED INPUT/OUTPUT window.
2. Select {EDIT} under the menu.
   – The pull-down menu appears.



3. Select {RENAME}.
   – The window for character input appears.
4. Enter the signal name.
5. Press [ENTER].
   – New signal name is registered.

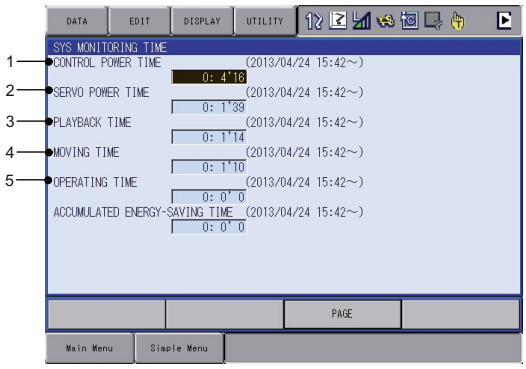


7.4 System Monitoring Time Display

7.4.1 System Monitoring Time Display Window

The status of system operation, e.g. power ON time, can be checked.

1. Select {SYSTEM INFO}.
2. Select {MONITORING TIME}.
   – The SYS MONITORING TIME window appears.



1, CONTROL POWER TIME

Displays the cumulative time that the main power supply has been ON.

2, SERVO POWER TIME

Displays the cumulative time that the servo power supply has been ON.

3, PLAYBACK TIME

Displays the cumulative time during which playback was executed.

4, MOVING TIME

Displays the cumulative time that the manipulator was in motion.

5, OPERATING TIME

Displays the cumulative time spent in operation. For example, if the manipulator is used for spot welding, it displays the amount of time spent in spot welding; if the manipulator is used for handling, it displays the time spent in handling.

7.4.2 Individual Window of the System Monitoring Time Display

If the [PAGE] key is pressed, or "PAGE" is selected to display the selection window for the system monitoring time display, the servo power time, playback time, moving time, and each-application operating time by each control group are individually displayed.

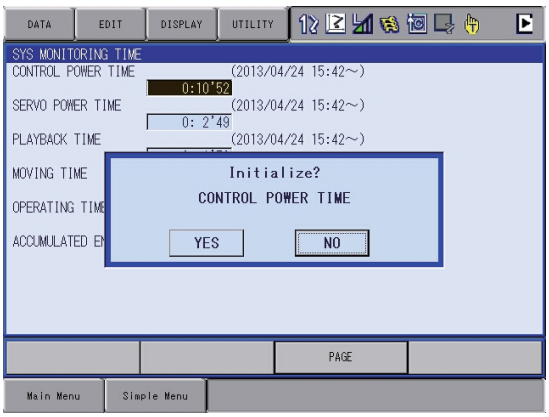
NOTE

The total time of each control group here is not always the same as the time in the SYS MONITORING TIME window because these windows show time as seen from the individual control group.

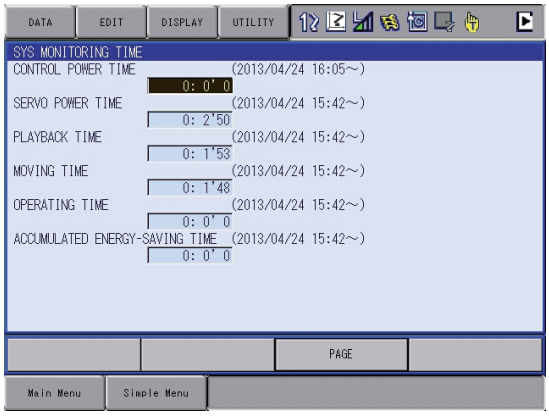
7.4.3 Clearing the System Monitoring Time Display

The moving time and operating time can be cleared and set back to 0 by following procedure. These operations can be performed in the SYS MONITORING TIME window, or in the individual windows.

1. Select the time to be cleared.
   – The confirmation dialog box appears.



2. Select “YES.”
   – The cumulative time value at the cursor line is reset to 0, and a new time measurement begins.



SUPPLE-MENT

CONTROL POWER TIME, SERVO POWER TIME, PLAYBACK TIME, MOVING TIME AND OPERATING TIME can be initialized when the parameter corresponding with each time is 1.

S2C415…CONTROL POWER TIME

S2C416…SERVO POWER TIME

S2C417…PLAYBACK TIME

S2C418…MOVING TIME

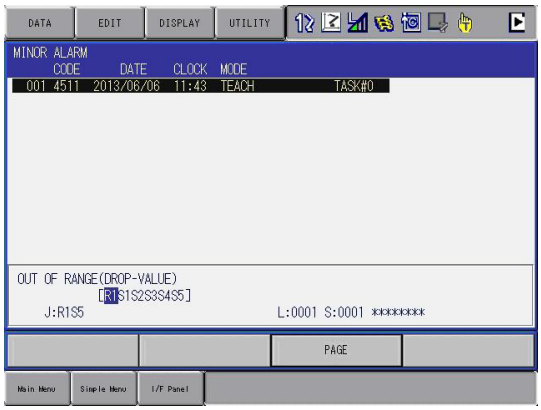
S2C419…OPERATING TIME

7.5 Alarm History

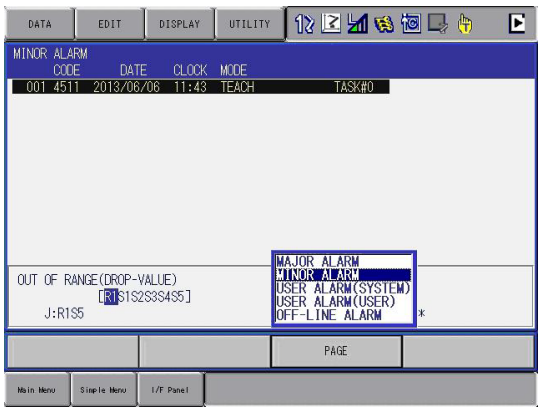
7.5.1 Alarm History Window

The alarm history can be confirmed in the alarm history window. There are five types of alarm history windows: the "MAJOR ALARM" window, the "MINOR ALARM" window, the "USER ALARM (SYSTEM)" window, the "USER ALARM (USER)" window, and the "OFF-LINE ALARM" window. Each window shows the alarm code and the date and time.

1. Select {SYSTEM INFO} under the main menu.
2. Select {ALARM HISTORY}.
   – The alarm history window appears.



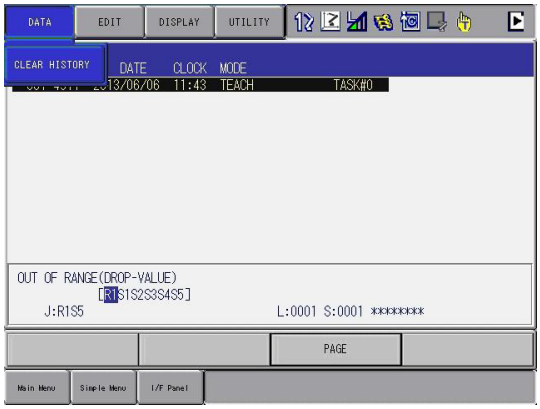
3. Press the [PAGE] key to change the window, or select "PAGE" to display the selection window for the alarm windows.
   – Each time the [PAGE] key is pressed, the window changes "MAJOR ALARM"→"MINOR ALARM"→"USER ALARM(SYSTEM)"→"USER ALARM(USER)"→"OFF-LINE ALARM."



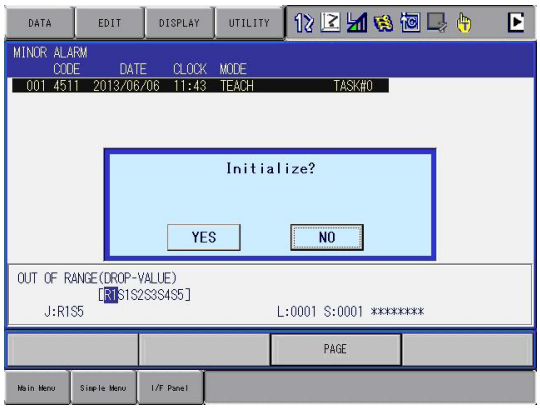
7.5.2 Clearing the Alarm History

The history of the minor alarms and the user alarms (system and user) can be cleared.

1. Display the alarm history window to be cleared.
2. Select {DATA} under the menu.
   – The pull-down menu "CLEAR HISTORY" appears.



3. Select {CLEAR HISTORY}.
   – The confirmation dialog box appears.



4. Select “YES.”
   – The alarm history displayed is reset.

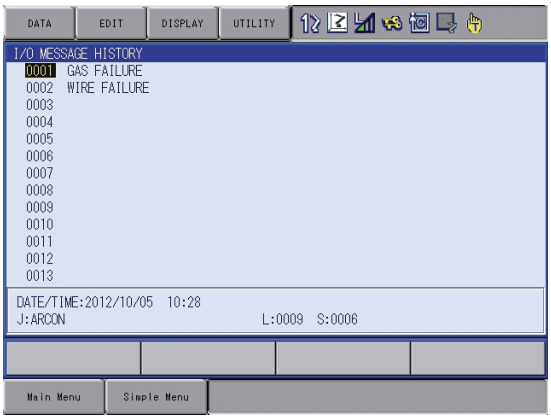
7.6 I/O Message History

7.6.1 I/O Message History Window

The I/O message history can be confirmed in the I/O MESSAGE HISTORY window.

The I/O MESSAGE HISTORY window shows the date and time, job name, line number, and step number of the I/O message that appeared on the window.

1. Select {SYSTEM INFO} under the main menu.
2. Select {I/O MSG HISTORY}
   – The I/O MESSAGE HISTORY window appears.



Press [SELECT], and numeric values can now be entered. Input the history number, and press [ENTER]. The search for the input history number begins, and the I/O message that appeared on the window is displayed.

7.6.1.1 Search

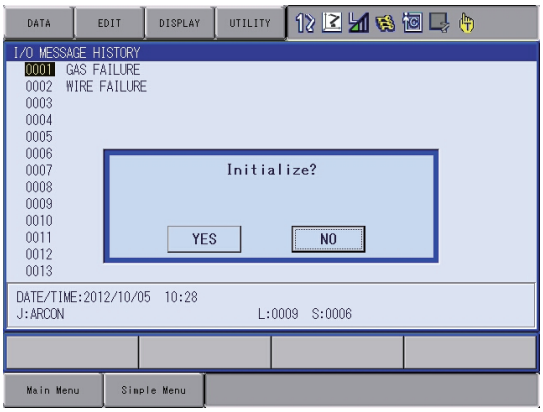
Use the following operation to search for the I/O message history.

1. Select {EDIT} under the menu.
2. Select {SEARCH}.
   – The character input line appears.
3. Enter the history No.
4. Press [ENTER].
   – The search for the input history number begins, and the I/O message is displayed.

7.6.2 Clearing the I/O Message History

Use the following operation to clear the I/O message history.

1. Select {DATA} under the menu.
2. Select {CLEAR HISTORY}.
   – The confirmation dialog box appears.



3. Select “YES.”
   – The displayed I/O message history is cleared.

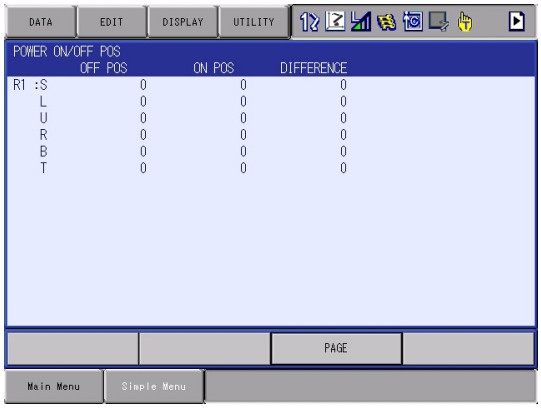
NOTE Initializing the history becomes valid when the security mode is higher than the management mode.

7.7 Position Data When Power is Turned ON/OFF

7.7.1 Power ON/OFF Position Window

The Power ON/OFF position window shows the position of the manipulator when power was turned OFF the last time, the current position of the manipulator when power was later turned ON, and the amount of difference between the two positions. When alarm 4107, "OUT OF RANGE (ABSO DATA)" occurs, the error value of the faulty axes can be verified in this window.

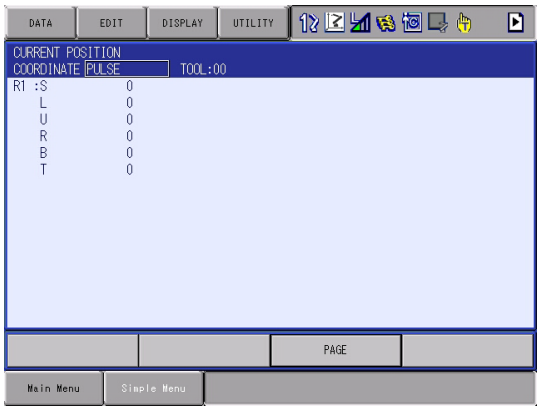
1. Select {ROBOT} under the main menu.
2. Select {POWER ON/OFF POS}.
   – The POWER ON/OFF POSITION window appears.



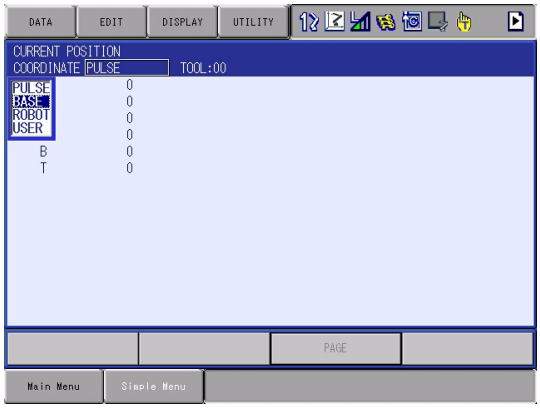
7.8 Current Position

7.8.1 Current Position Window

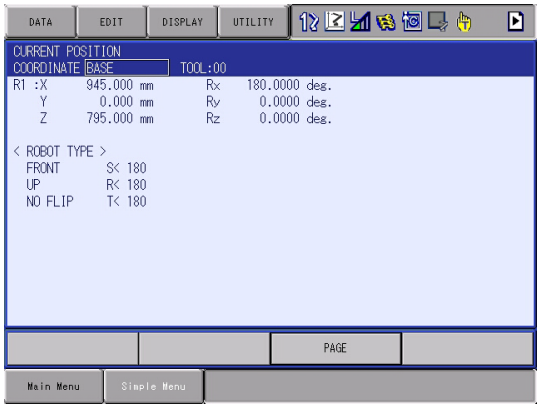
1. Select {ROBOT} under the main menu.
2. Select {CURRENT POSITION} under the sub menu.
   – The CURRENT POSITION window appears.



3. Select the types of coordinates to be displayed.
   – The pull-down menu appears.



4. Select the desired coordinate system.
   – The type of coordinates being displayed is changed.



7.9 Servo Monitoring

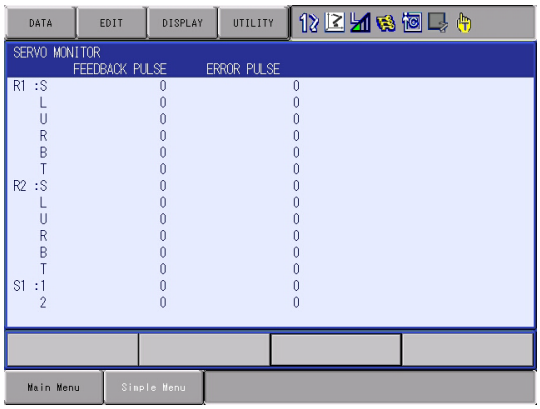
7.9.1 Servo Monitor Window

The servo monitor window shows the servo-related data of each axis.

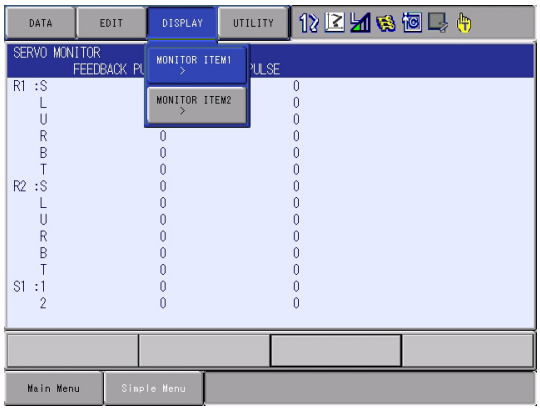
Monitor Items	Description
FEEDBACK PULSE	Feedback position (actual position) of each axis “0” at the home position
ERROR PULSE	Difference between the command position and the feedback position of each axis
SPEED DEVIATION	Difference between the command speed and the feedback speed of each axis
SPEED INST	Speed reference of each axis
FEEDBACK SPEED	Feedback speed (actual speed) of each axis
TORQUE SPEC	Torque reference of each axis
MAX. TORQUE	Keeps the maximum value of the torque reference of each axis. “0” when the maximum torque is cleared or the control power supply is turned ON or OFF
ENCODER ROTATE SUM	Accumulated number of encoder rotation when the control power supply of each axis is turned ON
IN 1 TURN POSITION	Position after one rotation of the encoder when the control power supply of each axis is turned ON
MOTOR ABSOLUTE	Absolute value of the motor is calculated by adding the position in one rotation to the sum of the accumulated rotations when the control power supply of each axis is turned ON.
ENCODER TEMPERATURE	The temperature of the each axis (℃)

7.9.1.1 Changing the Monitor Items

1. Set the security mode to the management mode.
2. Select {ROBOT} under the main menu.
3. Select {SERVO MONITOR}.
   – The SERVO MONITOR window appears.

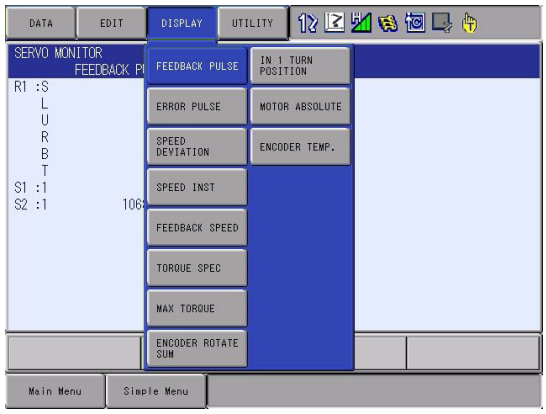


4. Select {DISPLAY} under the menu.
   – The pull-down menu appears.
   MONITOR ITEM 1 is the data on the left, and MONITOR ITEM 2 is the data on the right



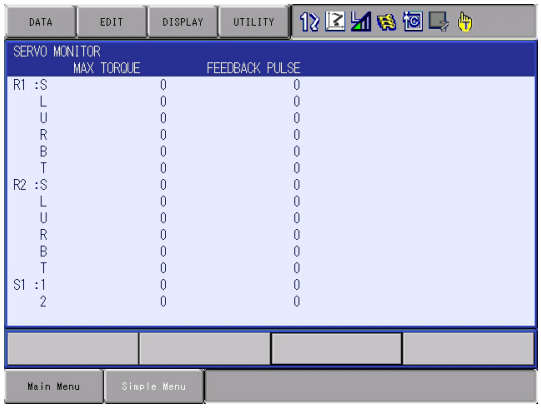
5. Select MONITOR ITEM 1 or 2, and view the sub-menu choices by the cursor key.

   – The sub-menu choices appear.



6. Select a menu.

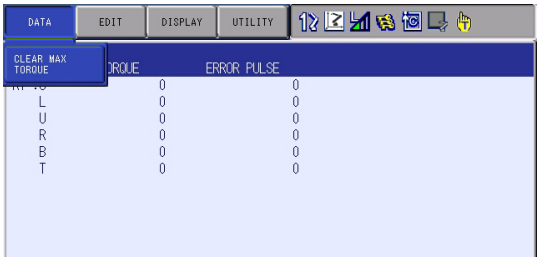
   – The type of monitor-related information is changed.



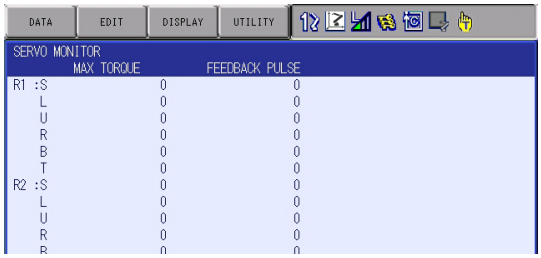
7.9.1.2 Clearing Maximum Torque Data

The data for the maximum torque can be cleared when the maximum torque-related information is being displayed.

1. Select {DATA} under the menu.
   – The clear max torque window appears



2. Select {MAX. TORQUE}.
   – The maximum torque data is cleared.



7.10 The State of the Robot Drop Tolerance Error

7.10.1 Check the Robot Drop Tolerance

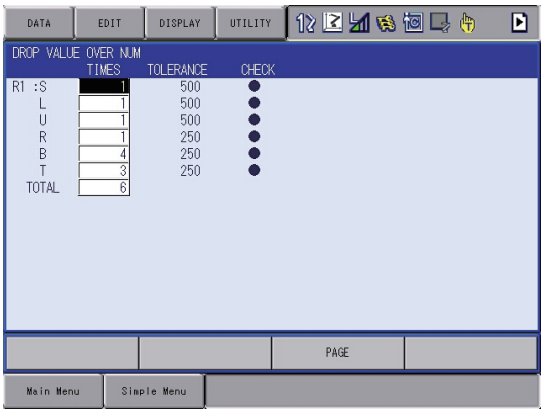
When a servo to the robot is turned off, the robot holds its position by the holding brake. However, in case of not holding its position, the DX200 checks if the drop value of the pulse is within the range when the servo is turned off from the turned on status.

Checking the drop value of the pulse is not performed when the robot is operating. The DX200 checks the value when turn on the servo again from the stopped state (it is a stopped state while waiting for the input during the timer in the playback).

7.10.2 Display of the Drop Value Number Window

Confirm the state of the times of the drop, tolerance and check on this window.

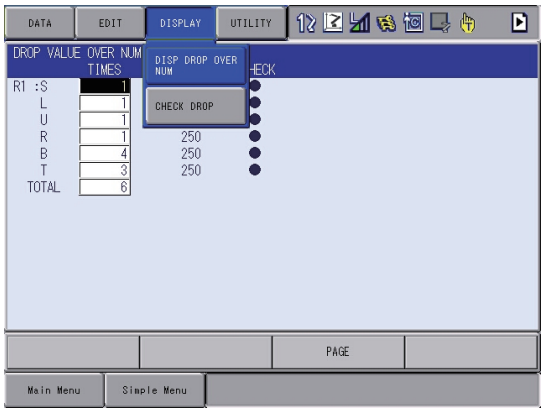
1. Select {ROBOT} in the main menu.
2. Select {DROP VALUE}.
   – The DROP VALUE OVER NUM window appears.



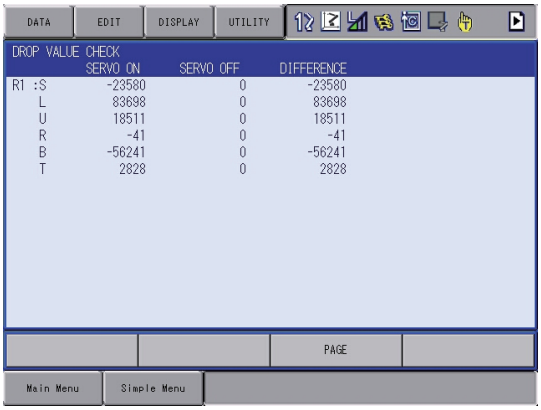
7.10.3 Display of the Drop Value Check Window

The position value of the manipulator where the servo was turned off (shown as SERVO ON on the screen), the position value of the manipulator where the servo is turned on (shown as SERVO OFF on the screen), and the difference value from these positions above are displayed in this window.

1. Select {DISPLAY} in the menu.
   – The pull-down menu appears.
   – Select {CHECK DROP} to display the DROP VALUE CHECK window.



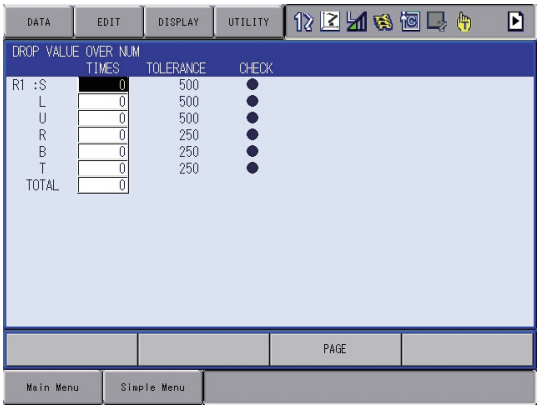
2. Select {DROP VALUE CHECK}.
   – The DROP VALUE CHECK window appears.



7.10.4 Clear the Times of the Drop Value Number

Clear the number by following operation.

1. Occurring times of the each axis
   – Move the cursor over the axis to be deleted, and press {SELECT}.
   The number of occurrence times is deleted.
2. Occurring times of the all axes
   – Move the cursor over the TOTAL, and press {SELECT}.
   The number of occurrence times are deleted.



8 Alarm

8.1 Outline of Alarm

When an alarm of level 0 to 3 (major alarm) occurs, the servo power supply is turned OFF.

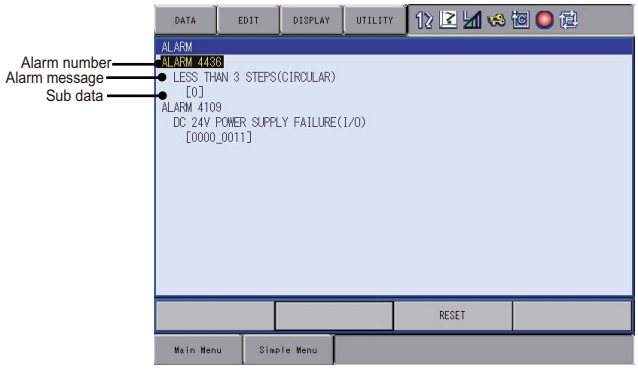
Table 8-1: Alarm Code Classification

Alarm Code	Alarm Level	Alarm Reset Method
0□□□	Level 0 (Major alarm) (Off line alarm: Initial diagnosis/ Hardware diagnosis alarm)	It is not possible to reset by "RESET" under the ALARM window or the system input signal (Alarm reset). Turn OFF the main power supply and correct the cause of the alarm. Then turn ON the main power supply again.
1□□□ to 3□□□	Level 1 to 3 (Major alarm)	It is not possible to reset by "RESET" under the ALARM window or the system input signal (Alarm reset). Turn OFF the main power supply and correct the cause of the alarm. Then turn ON the main power supply again.
4□□□ to 8□□□	Level 4 to 8 (Minor alarm)	After correcting the cause, it is possible to reset by "RESET" under the ALARM window or the system input signal (Alarm reset).
9□□□	Level 9 (Minor alarm) (I/O alarm)	After correcting the cause for which the system input signal for the system or user alarm request turns ON, it is possible to reset by "RESET" under the ALARM window or the system input signal (Alarm reset).

8.2 Alarm Display

8.2.1 Displaying and Releasing Alarm

If an alarm occurs during operation, the manipulator stops immediately and the ALARM window appears on the programming pendant indicating that the machine was stopped by an alarm.



If more than one alarm occurs simultaneously, all the alarms are displayed.
Scroll the viewing area with the cursor key to view the alarm that is not currently displayed on the viewing area.

The following operations are available in the alarm status: window change, mode change, alarm reset, and emergency stop. If the window is changed to another window during alarm occurrence, the ALARM window can be shown again by selecting {SYSTEM INFO} under the main menu and then selecting {ALARM}.

8.2.1.1 Releasing Alarms

Alarms are classified by minor and major alarms.

- Minor Alarms
  Select "RESET" on the ALARM window to release alarms.
  Or, turn ON the specific signal "ALARM RESET" when using an external input signal (specific input).

- Major Alarms
  If a severe alarm such as hardware failure occurs, servo power is automatically shut OFF and the manipulator stops. Turn OFF the main power supply, remove the cause of the alarm, and then turn ON the power supply again.

8.2.2 Special Alarm Display

(1) Sub Data

Sub data such as data for the axis where the alarm occurred, may also be displayed for some alarms.

- Decimal data
  Without signs: 0 to 65535
  With signs: -32768 to 32767

- Binary data
  The alarm occurrence data becomes “1.”
  With 8 bits: 0000_0001
  With 16 bits: 00000001_00000001

- Axis data
  The axis where the alarm occurred is highlighted.
  With robot axis: Robots 1 to 8 [S **L** U R B T]
  With base axis: Base 1 to 8 [**1** 2 3]
  With station axis: Stations 1 to 24 [1 **2** 3]

- XYZ coordinate data
  The coordinates where the alarm occurred are highlighted.
  [**X** Y Z]
  [X Y Z **Tx** Ty Tz]

- 123 data
  The data for which the alarm occurred is highlighted.
  [**1** 2 3]

- Control group data
  The control group where the alarm occurred is highlighted.
  [**R1** R2 S1 S2 S3]

(2) Multiple SERVOPACK System

In a system using more than one SERVOPACK, the number of the SERVOPACK where the alarm occurred is also displayed. The S1 switch of the EAXA21 circuit board shows the SERVOPACK number.

SV#1: SERVOPACK 1 (EAXA21 circuit board S1 switch: 0)

SV#2: SERVOPACK 2 (EAXA21 circuit board S1 switch: 1)

SV#3: SERVOPACK 3 (EAXA21 circuit board S1 switch: 2)

SV#4: SERVOPACK 4 (EAXA21 circuit board S1 switch: 3)

(3) Independent Control Function (Optional)

In the independent control function (multi-task job), the tasks that were being done when the alarm occurred are also displayed.

TASK#0: Master-task job

TASK#1: Sub-task1 job (SUB1)

TASK#2: Sub-task2 job (SUB2)

TASK#3: Sub-task3 job (SUB3)

TASK#4: Sub-task4 job (SUB4)

TASK#5: Sub-task5 job (SUB5)

TASK#6: Sub-task6 job (SUB6)

TASK#7: Sub-task7 job (SUB7)

TASK#8: Sub-task8 job (SUB8)

TASK#9: Sub-task9 job (SUB9)

TASK#10: Sub-task10 job (SUB10)

TASK#11: Sub-task11 job (SUB11)

TASK#12: Sub-task12 job (SUB12)

TASK#13: Sub-task13 job (SUB13)

TASK#14: Sub-task14 job (SUB14)

TASK#15: Sub-task15 job (SUB15)

8.3 Display of Alarm Details

Alarm details displaying function indicates the alarm contents breakdown on the alarm window.

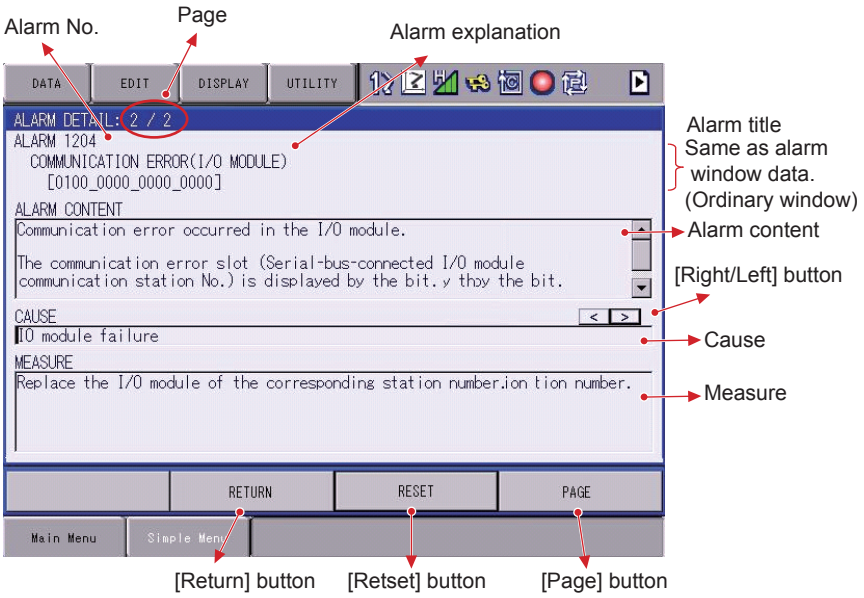
Press [Select] key after moving the cursor to the subject alarm on the alarm window to display its “content”, “cause” and “measure”.

Skip displaying the alarm window to directly display this breakdown window is possible by specifying the parameter when an alarm occurs.

8.3.1 Parameter

S2C406 Alarm Details Direct Display 0: Invalid / 1: Valid

8.3.2 Display of Alarm Detail Window



- **Page**
  Displays
  the page number of the alarm whose detail window is currently displayed / the total alarm number occurred coincidentally.

- **Alarm No.**
  Displays the alarm number with decimal 4 digit.

- **Sub data**
  Displays the sub code number defined to each alarm.

- **Alarm content**
  Displays the content of the alarm.

- **[Right/Left] button**
  This button appears when there can be several “cause”s and “measure”s to one alarm. Press this to right/left ward to alternate the “cause” and the “measure”.

- **Cause**
  Displays the cause of an alarm.

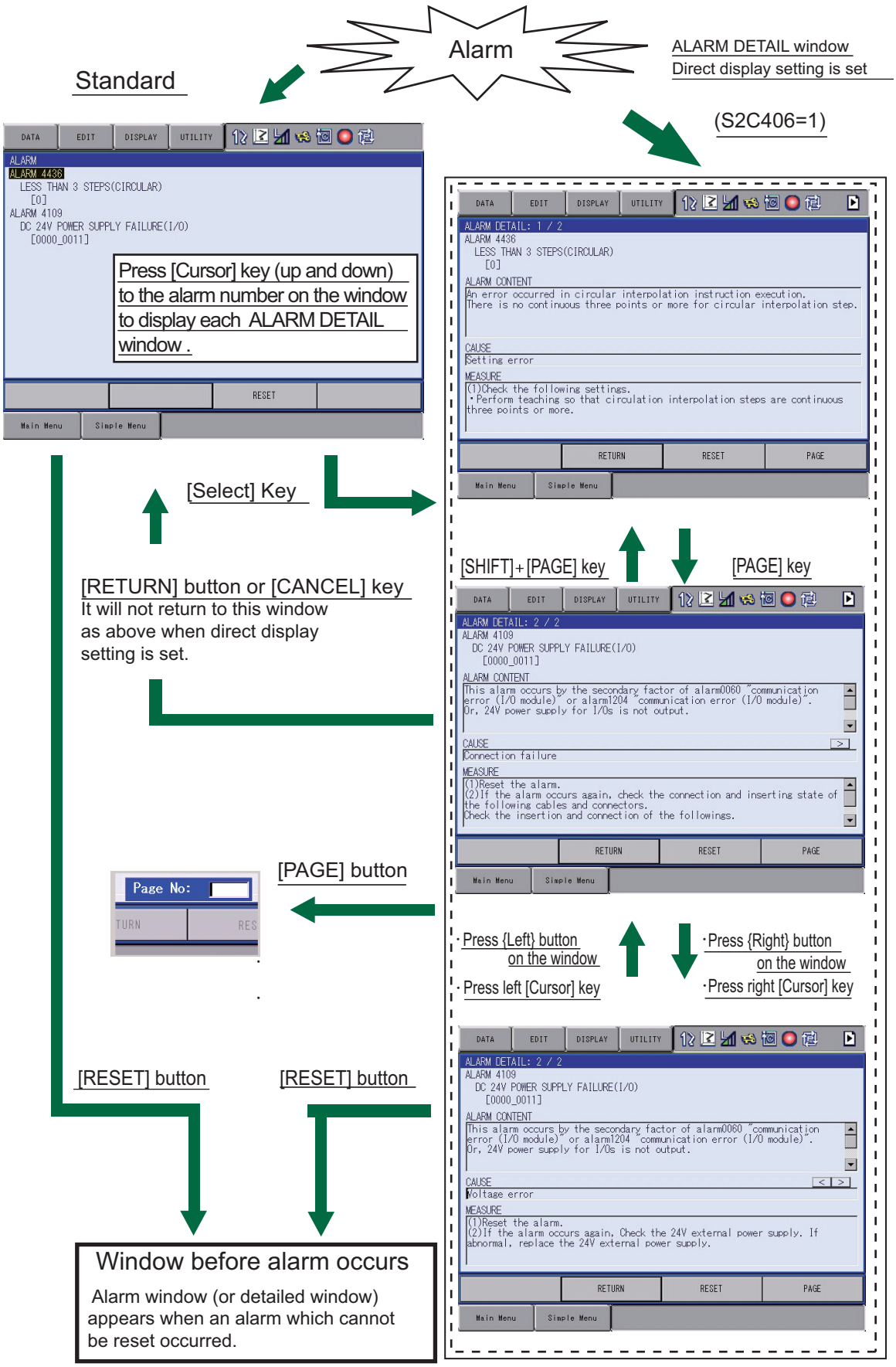
- **Measure**
  Displays the recovery method from the alarming state.

- **[Reset] button**
  Press this button to reset the alarm.

- **[Page] button**
  Press this button to display the page number inputting area.

  This area appears when several alarms occur at a time.

8.3.3 Transition of Alarm Detail Window



8.4 Alarm Message List

CAUTION

- Before handling the system control circuit board “JANCD-YIF∗∗–∗” for any remedies, consult YASKAWA representative. To handle the JANCD-YIF∗∗–∗, personnel must be appropriately skilled in maintenance mode operation.
- JANCD-YIF∗∗–∗ backs up very important file data for the user program with a battery. Careless operation may delete registered data.

9 Error

9.1 Error Message

Error warns the operator not to advance to the next operation caused by a wrong operation or the access method when using the programming pendant or an external equipment (computer, PLC, etc.).

When an error occurs, confirm the content of the error then release the error.

To release the error, perform either of the following operations:

- Press [CANCEL] on programming pendant.
- Input alarm/error reset signal (system input).

NOTE An error is different from an alarm because it does not stop the robot even if it occurred while the robot was operated (during playback).

When two or more errors occur, appears in the message display area. Activate the message display area and press [SELECT] to view the list of current errors.

9.1.1 System and General Operation

Error No.	Data	Error Message	Contents
10	-	Turn off servo power and perform corrective action	It cannot be operated while servo power supply is ON.
20	-	Depress TEACH	Out of specified operation mode
30	-	Illegal setting for number of variables	Parameter setting error
31	-	Illegal setting for number of variable-names	
32	-	Illegal setting for number of SUB task.	
40	-	Undefined robot position variables	Position variable cannot be used.
50	-	Depress MODIFY	
60	-	Undefined points (ORG, XX, XY)	Not registered user coordinates basic 3 points (ORG, XX, XY)
70	-	Program and current tool different	The tool number registered with teaching position data does not match the tool number selected at the programing pendant.
80	-	Same position in the 3 points	
90	-	Set robot exactly to taught position	
100	-	On overrun recovery status	
110	-	Turn ON servo power	
120	-	Set to PLAY mode	
130	-	No start using external signal	
140	-	No start using P.P.	
180	-	TEACH mode select signal ON	
190	-	Set variable number	
200	-	Defined group axis	
210	-	Undefined coordinated robots	
212	-	Cannot register at this combination	
230	-	While releasing soft limit	
240	-	Undefined robot	
270	-	Undefined gun condition file	
280	-	Lack of number of I/O points	
290	-	Cannot set same No.	
300	-	Undefined user frame	

Error No.	Data	Error Message	Contents
310	-	Cannot register Master JOB	
320	-	Cannot operate CHECK-RUN	
330	-	Cannot operate MACHINE LOCK	
340	-	Cannot operate Master JOB	
341	-	Cannot be called up Master JOB	Master JOB cannot be called up while the manual brake is released.
350	-	Cannot initialize	
380	-	Position not checked	Second home position was not checked.
383	-	Select joint coordinate system and perform forward operation	
384	*	Coasting value setting of Ex-axis is not completed.	
	xxx		The coasting value unsetting group of the external axes.
390	-	Can specify servo off by safety relay	
410	-	Time could not be measured	Time could not be measured for TRT function.
420	-	Incorrect number of taught points	The number of the taught points for tool calibration is incorrect.
430	-	Register start reserved JOB	
460	-	Excess time for measuring	
500	-	Undefined robot calibration data	
510	-	Undefined axis	
520	-	Cannot select two coordinated combination	
530	-	Start reservation mode	
550	-	Start reserved JOB change prohibit is set	
560	-	Cannot teach position while soft limit released	
590	-	Register group axis combination	[SYNCHRO] was pressed for coordinated job which was not registered as group.
600	-	Out of setting data range	
610	-	Cannot use the user coordinate	
620	-	Select JOB (robot)	
650	-	Incorrect measured data	
660	-	Wrong data type of position variable	
680	-	Defined data	

Error No.	Data	Error Message	Contents
	XXX		File no.
700	-	Wrong CMOS memory board type	
710	-	Canceled pelletizing shift value	
720	-	Defined name	
721	-	It is already registered for IN/OUT signal name.	
722	-	It is already registered for Variable name.	
723	-	It is already registered for Local variable name.	
724	-	The existing names cannot be overwritten	
740	-	This name cannot be defined	
741	-	This name cannot delete	The name cannot be deleted while alias function is valid.
760	-	Error in start condition set	
770	-	During robot or station operation	
800	-	The gun of designation is not connected	
801	-	The group axis of designation is not connection	
810	-	Servo power supply is limited	
820	-	Modification range over	
930	-	Undefined conveyor calibration data	
940	-	Dry spot input signal is ON	
950	-	Adjustment stroke is negative	
960	-	I/O axis mode requesting	
970	-	ERRSVCPU signal error	
971	-	ERRCPU signal error	
980	-	TIMER DATA TRANSMISSON ERROR	

9.1.2 Editing

Error No.	Data	Error Message	Contents
1010	-	EDIT LOCK mode	
1011	-	EDIT LOCK is set for this line.	
1012	-	This line is defined as a comment.	
1020	-	Enter correct value	
1030	-	Unauthorized ID No.	
1050	-	Enter correct date	
1060	-	Enter correct clock	
1061	-	Enter correct time	The input time value is not correct.
1062	-	Values over 0 are not acceptable. Move to OPERATING TIME screen to set the values over 0.	The value other than “0” cannot be input.
1063	-	Enter 500000 or less value for 'HHHHHH'.	The value for the time is too big.
1070	-	Enter an ID number in 4-8 figures	
1080	-	Negative value can’t be set	
1090	-	Enter correct value (START-END signal no)	
1130	-	Cannot register variable name in this job any more.	
1140	-	No input signals are set.	
1141	-	Overlapped input signals exist.	
1142	-	Overlapped output signals exist.	
1143	-	The signal which cannot be used is set up.	
1150	*	There are abnormal values in the file.	
	1		FILE NO.
	2		FILE SET STATUS
	3		FILE VALID CONDITION
	4		ALARM SET
	5		STOP METHOD
	6		Control GROUP
	7		Robot range limit: MONITOR TARGET
	8		Robot range limit: COORDINATE
	9		Robot range limit: SHAPE TYPE
	10		Range combination: INPUT FILE1, INPUT FILE2 and OUTPUT FILE
	11		Range combination: LOGIC
1151	*	Check the numeric value settings.	

Error No.	Data	Error Message	Contents
	1		Axis range limit: the valid axis can be set by maximum < minimum.
	2		Robot range limit: set the “Z UPPER < Z LOWER“ when the creating method is the prism.
	4		Robot range limit: set the same coordinate at the two vertices of the plane monitoring.
1152	*	The set values are out of range.	
	1		Axis range limit: maximum value and minimum value
	2		Axis speed monitor: speed
	3		Axis speed monitor: acceptable range
	4		Speed limit: limit speed (Robot)
	5		Speed limit: limit speed (Station)
	6		Speed limit: detection delay time
	7		Speed limit: acceptable range
	8		Robot range limit: used point number
	9		Robot range limit: X and Y coordinates
	10		Robot range limit: Z coordinate
	11		Approach warning buzzer: buzzer occurring distance
	12		Approach warning buzzer: universal output number
	13		Tool angle monitor: reference angle
	14		Tool angle monitor: limit angle
	16		Tool change monitor: tool number
	17		Tool change monitor: detection delay time
1160	*	The selected control group cannot be applied to functional safety.	
	2		The target group of the group change
	3		The target group of the gun change
	4		The group with the endless axis
	5		The group with the speed control axis
	6		The group with unsetting of the current position set up parameter
	7		The group with unsetting of the approximation model
	8		The group is not the monitoring target of the functional safety.
	9		The group with the functional safety monitoring invalid axis
1161	*	The axis that cannot be applied to functional safety exist.	

Error No.	Data	Error Message	Contents
	10 to 17		The axis motion range limit and the axis speed monitor are valid, and the axes are endless axes (10+axis number).
	20 to 27		The axis motion range limit and the axis speed monitor are valid, and the axes are speed control axes (20+axis number).
	30 to 37		The axis motion range limit and the axis speed monitor are valid, and the axes are functional safety monitoring invalid axes (30+axis number).
1162	*	The axis to which coasting distance is not set cannot be set to VALID.	
	0 to 7		The coasting values are not set when the axis is valid (axis number).
1163	*	The group to which coasting distance is not set cannot be set to VALID.	
1170	*	Range cannot be configured with this setting.	
	1		Invalid robot range limit file number
	2		Inequality of the neighboring lines in the initial and terminal node
	3		There is the same point at the specified vertex.
	4		Lack of the setting vertex number
	5		The setting range lines are interfering each other.
	8		Inappropriate height setting
	9		Detected the non-convex range
	12		The exceeded number of the vertices
	13		Failure to create the data for the monitoring the outside of the range.
	14		Failure to create the plane surface range.
1180	-	Same file cannot be set.	
1181	-	The specified output file is under monitoring.	
1182	-	Monitor type differs between INPUT1 and INPUT2.	
1183	-	Coord type differs between INPUT1 and INPUT2.	
1184	-	The height in Z-direction differs between INPUT1 and INPUT2.	
1185	*	Range combination cannot be performed.	
	1		Inappropriate specified combination
	2		The exceeded number of the point of the intersection
	3		Failure to combine the range “AND”
	4		Failure to combine the range “OR”

Error No.	Data	Error Message	Contents
1186	-	The combination use of the files where plane monitoring is set is not permitted.	
1190	-	Cannot modify this parameter.	
1191	-	Axis range limit function is temporally disabled.	
1192	-	Robot range limit function is temporally disabled.	
1194	-	Tool range limit function is temporally disable.	
1195	*	The tool No. must be the same as the registered tool No.	
	xxx		The control group for the operation target.
1196	-	Select “Functional safety Board FLASH Reset”.	
1600	-	A confirmation position is not set.	

9.1.3 Job Defined Data

Error No.	Data	Error Message	Contents
2010	-	Incorrect character	
2020	-	Name not entered	
2030	-	Undefined JOB name	
2040	-	Defined JOB name	
2050	-	Address not found	
2070	-	Set robot exactly to taught position	
2080	-	Press INSERT or MODIFY	
2090	-	Only modifying move instruction possible	
2100	-	JOB cannot be edited.	
2110	-	Over soft limit	
2111	-	Over soft limit. Adjust center position or pulse width.	
2120	-	Cannot insert/alter/delete with servo off	
2150	-	Inserting is not possible from this point	
2160	-	Cannot modify or delete this position	
2170	-	Press INSERT to record same step as previous step	
2180	-	Cannot insert data	
2210	-	Illegal data setting	
2220	-	Display edit instruction	
2240	-	Excessive instruction equation	
2250	-	Unmatched number of parentheses in equation	
2260	-	Wrong group axis selection	
2270	-	Cannot insert any more instruction in JOB	
2280	*	JOB memory is full	
	1		Lack of position file memories
	2		Lack of JOB registering memories
	3		Lack of instruction file memories
	4		Lack of memory pool
	5		Lack of pass condition file for multi layer

Error No.	Data	Error Message	Contents
	128		The instruction exceeded the maximum size
2290	-	Undefined master JOB	
2291	*	Undefined SUB Master JOB	
	1		Sub-master 1
	2		Sub-master 2
	3		Sub-master 3
	4		Sub-master 4
	5		Sub-master 5
	6		Sub-master 6
	7		Sub-master 7
	8		Sub-master 8
2292	-	Undefined MASTER START JOB	
2293	*	Undefined SUB START JOB	
	1		Sub-master 1
	2		Sub-master 2
	3		Sub-master 3
	4		Sub-master 4
	5		Sub-master 5
	6		Sub-master 6
	7		Sub-master 7
	8		Sub-master 8
2300	-	Cannot teach JOB without group-axis specification	
2310	*	Same label exists	
	XXX		Line no.
2340	-	Editing data not found	
2360	-	Cannot create editing area	
2370	-	Cannot cut/copy NOP and END instructions	
2371	-	EDIT LOCK/COMMENT functions cannot be applied to NOP and END.	
2372	-	This line cannot be defined as a comment.	
2390	-	Wrong group axis selection	
2400	-	Cannot move in cut & paste editing	
2430	-	Reverse data not found	
2440	-	Move C-and W-axis to basic position	Laser cutting

Error No.	Data	Error Message	Contents
2450	-	Relative JOB not permitted	
2470	-	Wrong JOB type	
2480	-	Wrong JOB coordinates setting	
2500	-	Cannot convert the JOB	
2501	-	Cannot convert positions as macro arguments	
2510	-	Cannot correct position in the JOB	
2520	-	Enter JOB name	
2530	-	Illegal step number	
2540	-	Enter step number	
2550	-	Duplicated step number	
2551	-	Duplicated line number	
2560	-	Cannot correct steps of position variables and REFP	
2570	-	The step does not contain speed	
2580	-	The step dose not contain PL/CONT	
2590	-	Soft limit range over	
2600	-	Cannot teach position in concurrent JOB	
2610	-	Wrong JOB kind	
2620	-	Cannot correct play speed in the JOB	
2630	-	Conveyor position not reset	
2640	-	Incorrect JOB name	
2650	-	Defined JOB name	
2670	-	Undefined target JOB	
2710	-	Relative job can’t be shifted with pulse type	
2730	-	Cannot use robot macro JOB	
2740	-	Cannot use concurrent macro JOB	
2750	-	Cannot use JOB with group-axis specification	
2760	-	Cannot insert/modify/delete for group axis detachment	
2761	-	Cannot insert/modify/delete for axis detachment	

Error No.	Data	Error Message	Contents
2762	-	This operation is not allowed, for axes detachment has been set.	
2763	-	Cannot modify, for axes detachment has been set.	
2764	-	Cannot insert/modify/delete, for axes detachment has been set.	
2770	-	The job includes instructions that cannot execute reverse paste	
2780	-	Arithmetic error	
2790	-	Step exceeding operation range.	
2822	-	Cannot copy job during jog operation.	
2823	-	Cannot copy, cut and paste during jog operation.	
2870	-	Maximum pressure is not set.	The maximum pressure for the gun condition file is not defined.
2871	-	Pulse value and stroke value are not set correctly.	The gun condition file pulse and stroke are not properly defined.
2872	-	Torque value and pressure value are not set correctly.	The gun condition file torque and pressure are not properly defined.
2880	-	This group name cannot be changed.	
2881	-	Same group name exists.	
2882	-	It's not appropriate group name.	
2890	-	Max stroke range over.	
2891	-	1st Pulse value is not set correctly.	
2892	-	1st Stroke value is not set correctly.	
2893	-	1st Torque value is not set correctly.	
2894	-	1st Pressure value is not set correctly.	
2895	-	Max Pressurization power exceeding a set range.	
2896	*	Pulse value exceeding a set range.	
	xxx		Pulse number
2897	*	Stroke value exceeding a set range.	
	xxx		Stroke number
2898	*	Torque value exceeding a set range.	
	xxx		Torque number
2899	*	Pressure value exceeding a set range.	
	xxx		Pressure number

9.1.4 External Memory Equipment

Error No.	Data	Error Message	Contents
3010	-	Floppy disk drive cable not connected	
3020	-	Floppy disk not inserted into floppy disk drive	
3021	-	CompactFlash not inserted into CompactFlash slot(PP)	
3022	-	USB media not inserted	
3030	-	Floppy disk protection is ON	
3040	-	File not saved on the media	
3050	-	File saved on the media	
3060	-	Out of memory on the media	
3070	-	Number of files on the media	
3080	-	I/O error on the media	
3090	*	Transmission error with the media	
	1		Framing error
	2		Overrun error
	3		Parity error
	4		Data code error
	5		Data read error
	6		Data write error
	7		Data time out
	8		Serial I/O error
	9		Error other than described above
3100	-	Total checksum error	When the security is in management mode or safety mode, the CMOS.BIN file saved with other controllers can not be loaded.
			The memory size incorporated in the JZNCD-YIF01-☐E board is different from the memory size of the JZNCD-YIF01-☐E board used when saved the CMOS.BIN file.
			The CMOS.BIN file is broken or not be saved properly.
3110	-	Syntax error	
3120	*	HEX code error	
	1		Specification error of data decode
	2		Specification error of EOF record
	3		Record type error

Error No.	Data	Error Message	Contents
	4		Total check error of record
3130	-	Verify error	
3140	-	Wrong pseudo instruction	
3150	*	Concurrent I/O record error	
	1		Format error
	2		Ladder program is too long
	3		Exceed the range of the data
	4		Specification error of channel No.
	5		Specification error of relay No.
	6		Timer value error
	7		Specification error of timer No
3160	-	Cannot load illegal system data	
3170	*	Condition file data error	
	1		Format error
	2		Specified file No. is omitted
	3		Specified tool No. is omitted
	4		User file is not registered.
3190	*	Error in JOB data record	
	1		Record on the number of position data (NPOS) is wrong for the format.
	2		Record on the user coordinate No. (USER) is wrong for the format.
	3		Record on the tool No. (TOOL) is wrong for the format.
	4		Record on the position data section is wrong for the format.
	5		Record on the robot type of XYZ data (RCONF) is wrong for the format.
	6		Date (DATE) record is wrong for the format.
	7		Comment (COMM) record is wrong for the format.
	8		Record on the JOB attribute data (ATTR) is wrong for the format.
	9		Control group (GROUP) record is wrong for the format.
	10		Local variable (LVARS) record is wrong for the format.
	11		JOB argument (JARGS) record is wrong for the format.
	12		Record on the teaching coordinates for relative job (FRAME) is wrong for the format.
	13		Position data coordinates do not match relative job coordinates.

Error No.	Data	Error Message	Contents
3200	-	NOP or END instruction not found	
3210	-	Position No. storage area not found	
3220	*	Syntax error in instruction data	
	2		Interior control error
	3		Undefined instruction/tag
	4		Instruction/tag shortage
	5		Disuse instruction/tag
	6		Sub instruction
	7		No instruction
	8		Invalid instruction
	9		Invalid tag
	10		Invalid character
	11		Undefined intermediate code
	12		Intermediate code shortage
	13		Syntax stack overflow
	14		Syntax stack underflow
	15		Array type tag uncompleted Tag [ARRAY]
	16		Element type tag uncompleted Tag [ELEMENT]
	17		Macro JOB unregistered
	18		Input format error
	19		Data size over
	20		MIN value over
	21		MAX value over
	22		Operation expression error
	23		Job call argument setting error
	24		Macro job call argument setting error
	25		Position vector setting error
	26		System error
	27		Soft key designate error
	28		Numerical input buffer overflow
	29		Real type data precision error
	30		Element format error
	35		BOOL TYPE data error
	36		CHAR data error
	37		BYTETYPE, BINARY / HEXADECIMAL BYTE TYPE data error
	38		INTEGER TYPE, DECIMAL WORD TYPE data error
	39		BINARY/HEXADECIMAL WORD TYPE data error
	40		DOUBLE PRECISION INTEGER TYPE, DECIMAL DWORD TYPE data error

Error No.	Data	Error Message	Contents
	41		BINARY/HEXADECIMAL WORD TYPE data error
	42		REAL TYPE data error
	43		LADDER SPECIAL TYPE data error
	44		JCL text
	45		Invalid text
	46		LABEL NAME data error
	47		JOB NAME data error
	48		STRING data error
	49		COMMENT data error
	51		The job contains the instructions which exceeded the maximum size
	58		Invalid instruction/tag detection
3230	-	Syntax not matched	
3240	-	Undefined application	
3250	-	Cannot load this file	
3260	-	Excess input data	
3270	-	Cannot verify this file	
3280	-	Wrong welding condition (STANDARD/ENHANCED)	
3290	-	Serial port not defined	
3300	-	Serial port being used	
3310	-	Protocol being used	
3340	-	Illegal number of multi layer data	
3350	-	Not enough memory	
3360	-	Invalid folder	
3370	-	Incorrect folder name	
3450	-	Cannot load macro JOB at current security mode	Load in management mode.
3460	*	Cannot backup the media	
	1		Insufficient Compact Flash memory.
	2		Not accessible to Compact Flash.
3470	-	Database not found	
3480	-	Database access error	
3490	-	Same database exists	
3500	-	Check the media insertion	
3501	-	Check the media insertion	
3510	-	Cannot delete folder. Check attribute and inside file	
3520	-	Same folder exists	
3530	-	Cannot load at current security mode	

Error No.	Data	Error Message	Contents
3550	-	Under automatic backup operation. Operate after the backup is completed.	
3551	-	Under automatic backup operation. Operate "SORT FILE" after the backup is completed.	
3560	-	Failed in sorting backup file	
3570	-	Actuator data transmission error	
3580	-	Under backup file access. Operate after the access is completed.	
3581	-	Under backup file access. Operate "SORT FILE" after the access is completed.	
3600	-	system configuration data not matched	
3610	-	Excessive path	
3620	-	Excess folders	

9.1.5 Concurrent I/O

Error No.	Data	Error Message	Contents
4010	*	Illegal relay No.	
	XXX		Line no.
4030	*	Illegal instruction	
	XXX		Line no.
4040	*	Relay/register No. duplicated in OUT/ GOUT or arithmetic instruction	Multiple outputs are instructed to the relay or register.
	XXX		Line no.
4050	*	The relay is not used	
	XXX		Line no.
4060	*	Excess STR-[-NOT] instructions	
	XXX		Line no.
4070	*	Excess AND [OR] STR instructions	
	XXX		Line no.
4080	*	Syntax error in CRT instructions	
	XXX		Line no.
4090	*	Enter STR [-NOT] at head of block	Need STR [-NOT]
	XXX		Line no.
4120	-	Concurrent I/O memory is full	Exceeds memory capacity (10000 steps)
4130	-	END instruction not found	END instruction not found
4140	-	Wrong ladder program	Position and number of PART instruction are wrong.
4150	*	Wrong use of GSTR, GOUT commands	GSTR and GOUT is not used together.
	XXX		Line no.
4190	-	Ladder program not found	
4220	-	Excess TMR/CNT or arithmetic instructions	More than 100 TMR, CNT or arithmetic instruction used
4230	-	Syntax error in TMR/CNT instructions	

9.1.6 Maintenance Mode

Error No.	Data	Error Message	Contents
8011	-	Choose the input of overrun	
8012	-	Equipment data file reading error	
8021	-	YIU Unit not found	
8030	-	Too many boards (DEVICENET(MASTER))	
8031	-	Too many boards (MSC01B)	
8033	-	Too many boards	
8034	-	Too many channels	
8035	-	Invalid configuration	
8040	-	Memory error (ControlNet output condition)	
8041	-	Memory error (UNIWIRE CONNECT DAT	
8042	-	Memory error (IP Network Configuration data)	
8050	-	Robot model is not registered	
8051	-	Select model	
8060	-	Cannot get UNIWIRE connection data	
8070	-	DHCP is already set to use for another item	
8071	-	DNS is already set to use for another item	
8072	-	DHCP is not set to use	
8073	-	DNS is not set to use	
8074	-	Device Information not found	
8080	-	Non support function	
8205	-	ENABLE Unit over	
8206	-	FLASH access error	
8210	-	IO module configuration is not modified	
8211	-	OPTION, BOARD or MODULE SETUP is not completed.	
8212	-	Cannot change setting (Function conflict	

Error No.	Data	Error Message	Contents
8213	-	Check EXTERNAL IO setup	
8216	-	Cannot change setting. Check the setting of control group.	Invalid the settings of the high speed spot welding or re-examine the control group configuration by referring to “section 9.13. High Spot Welding Function” in “DX200 OPERATOR’S MANUAL FOR SPOT WELDING USING MOTOR GUN” (165297-1CD).
8217	-	Cannot change setting. Check the setting of spot high speed spec.	Invalid the settings of the high speed spot welding or re-examine the control group configuration by referring to “Chapter 9.123 High Spot Welding Function” in “DX200 OPERATOR’S MANUAL FOR SPOT WELDING USING MOTOR GUN” (165297-1CD).
8250	-	Setting group is duplicated that has been set in the axes detachment function.	
8251	-	Setting group is duplicated that has been set in the robot detachment function.	

9.2 Particular Error Message

Apart from ordinary alarms or errors, some may display an error box message on the programming pendant. This message is displayed, when the system of the programming pendant becomes unauthorized.

9.2.1 Message

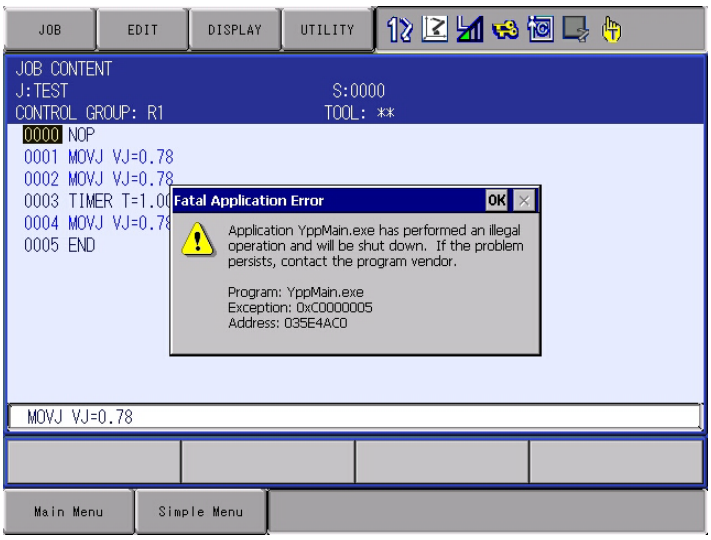
9.2.1.1 Fatal Error

This message is displayed when the fatal error occurs.

The message is “Fatal application Error” although the content of the message box varies depending on the occurrence status.

The programming pendant becomes either of following states

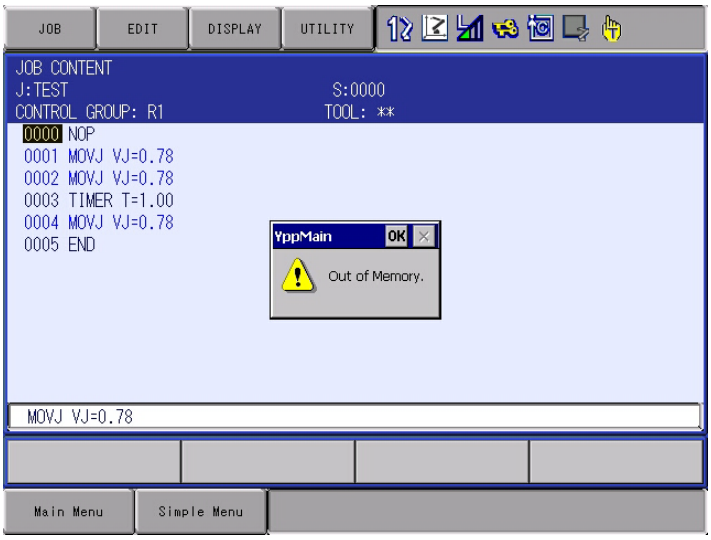
1. The window becomes inoperable.
2. The window disappears and blue background appears.



9.2.1.2 Application Transaction Error

This message is displayed when the system or the software of the programming pendant becomes unauthorized due to unexpected transaction or failure in software transaction, etc.

The message in the message box varies depending on the occurrence status.



Followings are the messages possible to occur.

Message	Meaning
syntax error	There is an unauthorized part in internal processing description.
expression too complex (stack overflow)	Internal stack has overflowed.
function nesting depth exceeded	Nesting of internal processing is unauthorized.
bad radix	The cardinal number used is unauthorized.
divide by 0	Memory is running out.
out of memory	Memory is insufficient.
argument list does not match a function	The internal processing of the pendant program is unauthorized.
register is not available	Specified an unavailable system data.

The programming pendant becomes either of following states

1. The window becomes inoperable.
2. Press [OK] button to disappear the message box and it becomes operable.

9.2.1.3 Other Errors

Other errors than mentioned above, some can trigger the message box.
In these cases, the tile of the box can be “Ypp” or “YPPMain”.

9.2.2 When the Error is Indicated

9.2.2.1 Fatal Error

Programming pendant becomes inoperable when this message appears. Please restart the system.

9.2.2.2 Application Transaction Error

It is possible to keep the operation after pressing [OK] button to disappear the message box. However, in this case, the system might be instable. Please restart the system if the window becomes inoperable.

9.2.2.3 Other Errors

Most of the cases when an error occurs, it is possible to keep the operation after pressing [OK] button to disappear the message box. Please restart the system if the window becomes inoperable.

Sometimes the message appears due to a specific operation although unstable state of the programming pendant is the main cause of the error in most cases.

If the pendant becomes inoperable after the message due to a specific operation invariably, please report the displayed message to your Yaskawa representative.

10 Job Data Simplified Restoration Function

10.1 Outline

There are some cases where the data in file system becomes inconsistent status if the controller power is turned off during edit operation.

If this data inconsistent status is neglected, the following data errors (inconsistent status) might occur in rare cases.

This Job data simplified restoration function checks the inconsistent status of the file and restore the data error status of the file system.

[Inconsistent status]

inconsistent chain status between position data and instruction file

(1) Overlapped chain with same position data

(2) Unregistered position data is chained with instruction file

(3) Registered position data is not chained

10.2 Job Data Restoration

10.2.1 How to Check Job Data Inconsistent Status

* “FILE” in WRONG DATA LOG screen corresponds to the following data.

(1) Job data

(2) User coordinate data (UFRAME)

(3) Robot calibration file (RBCAL)

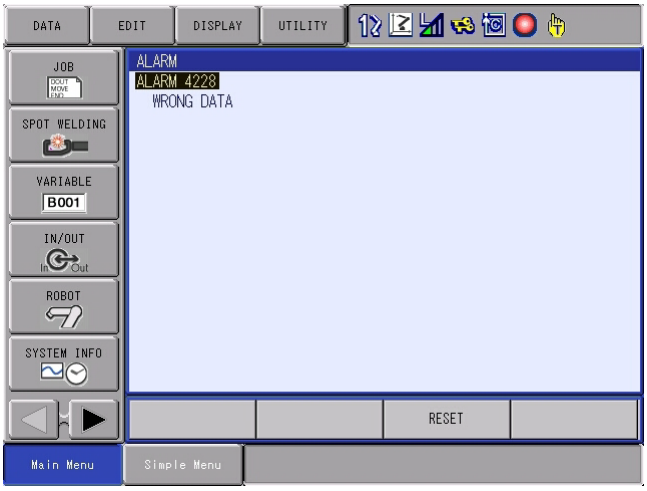
(4) Edit buffer (-CUTBUF)

NOTE

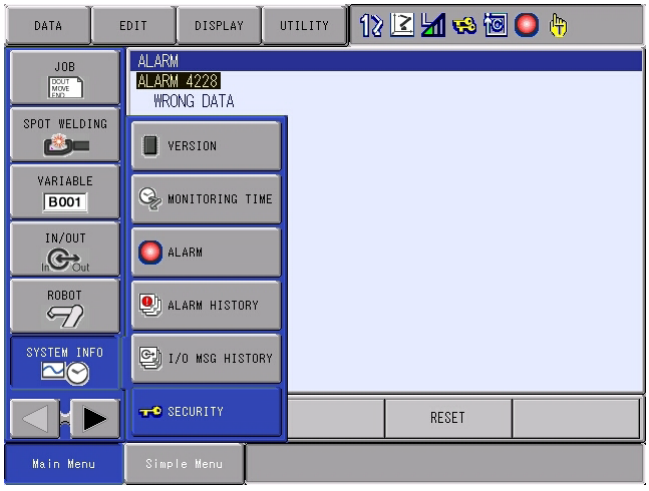
- Execute Job data restoration in management mode.
- Operation mode and editing mode permit monitoring only.

1. Detect data error

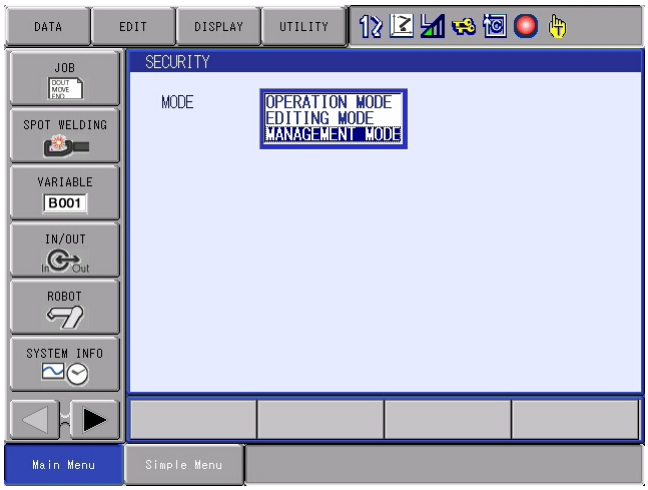
– ALARM screen appears.



2. Press {SYSTEM INFO} under main menu and select {SECURITY}

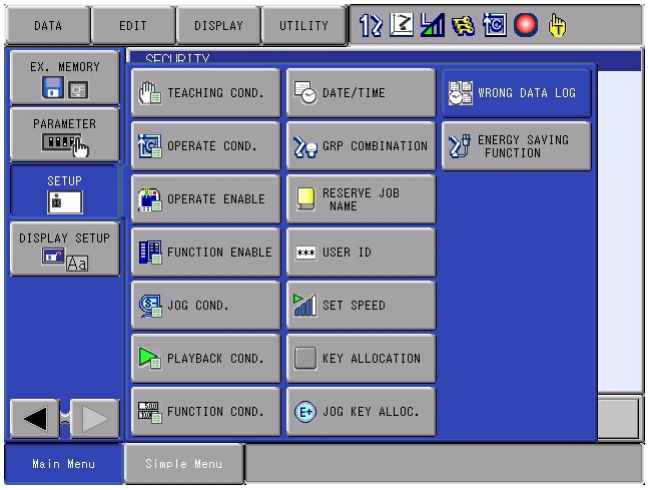


3. Select “MANAGEMENT MODE”

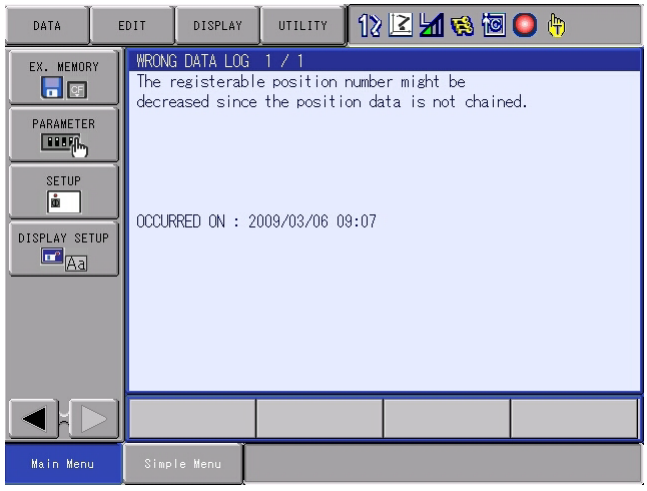


– Input password to switch the mode to Management mode.

4. Press {SETUP} under main menu and select {WRONG DATA LOG}



– WRONG DATA LOG screen appears.

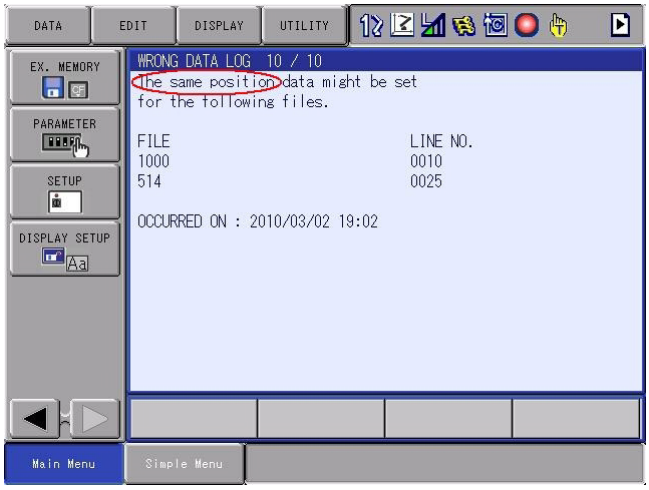


5. Check the details of data inconsistency

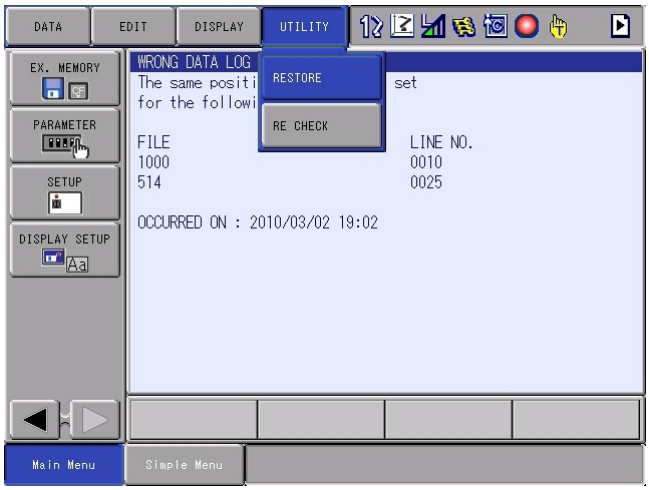
– Check the error contents, then execute restoration following *section 10.2.2 “Job Data Restoration Method” on page 10-4*.

10.2.2 Job Data Restoration Method

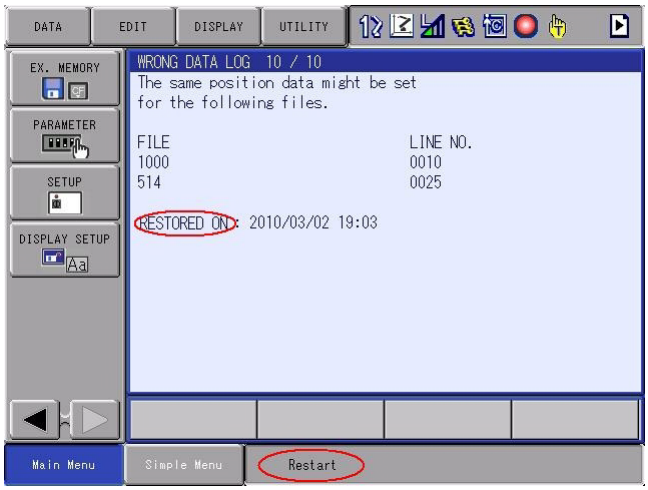
10.2.2.1 In Case Same Position data is Chained



1. Press {UTILITY} to select {RESTORE}
   – Press {RESTORE} to reset the overlapped position data chain.



– The indication changes from “OCCURRED ON” to “RESTORED ON”.



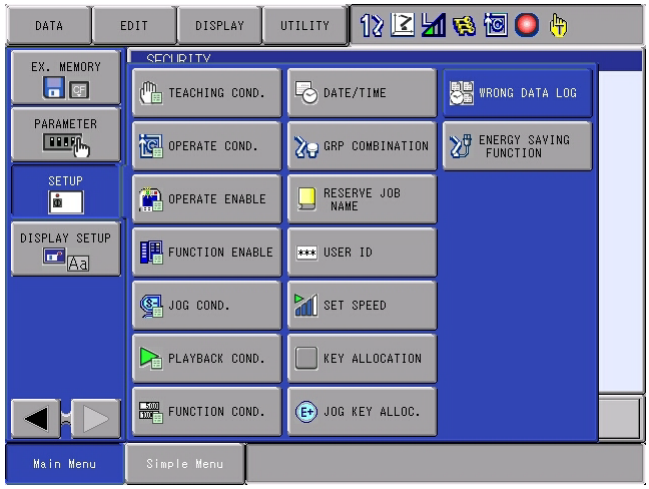
* If fail in the restoration

– If the indication doesn’t change from “OCCURRED ON” to “RESTORED ON”, refer to *section 10.3 “If Fail in Simplified Restoration” on page 10-12*.

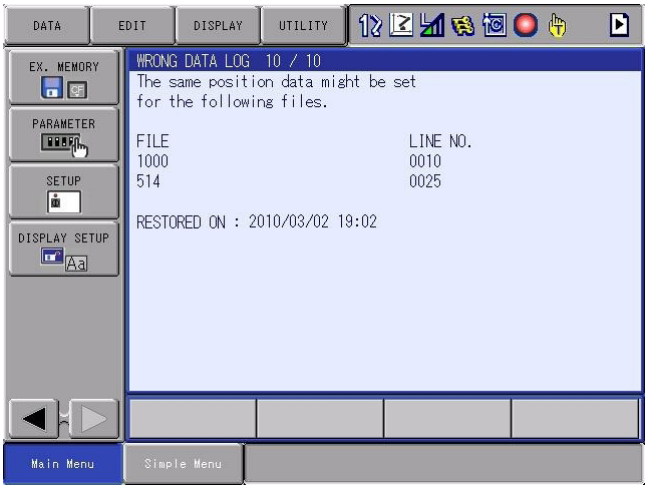
2. Start up the system again

– After the restoration, the system must be started up again. Turn the control power OFF/ON and then execute the following checking operation.

3. Press {SETUP} under main menu and select {WRONG DATA LOG}

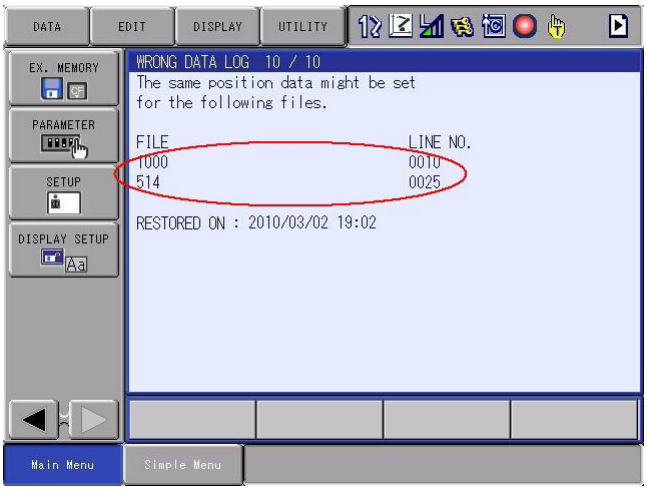


– WRONG DATA LOG screen appears.

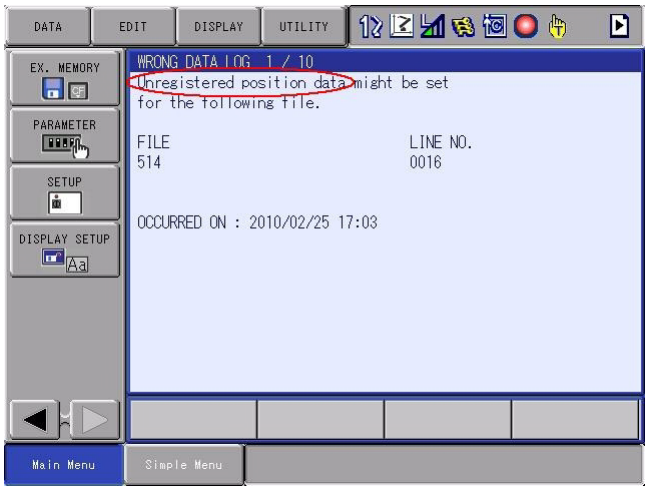


4. Check the position

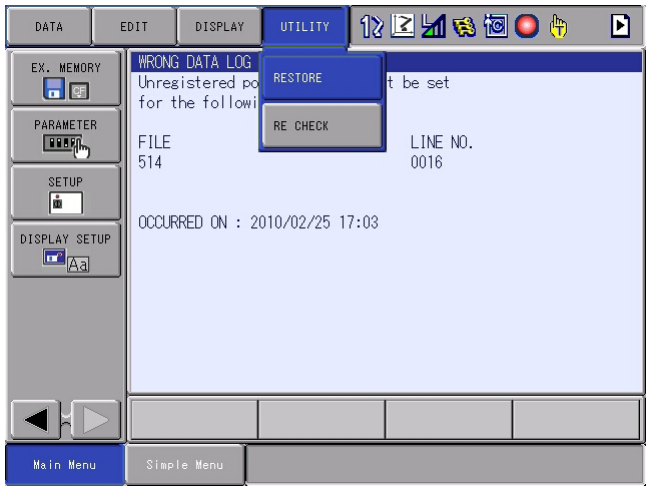
– Check the position of two lines indicated in the screen.



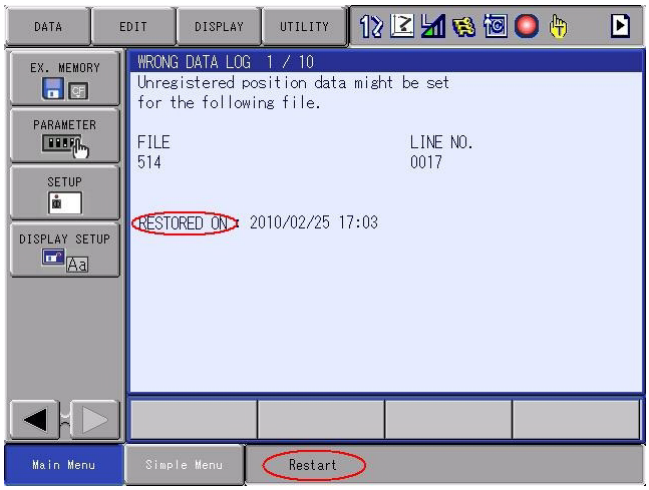
10.2.2.2 InCase Not-Registered Position data is Chained



1. Press {UTILITY} and select {RESTORE}
   – Press {RESTORE} button to register the position of the file indicated in WRONG DATA LOG screen tentatively, which enables to register position again.



– The indication changes from “OCCURRED ON” to “REGISTERED ON”.



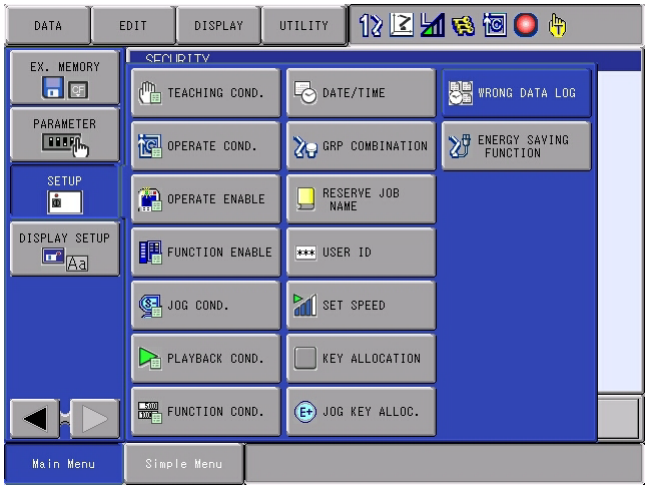
* If fail in the restoration

– If the indication doesn’t change from “OCCURRED ON” to “RESTORED ON”, refer to *section 10.3 “If Fail in Simplified Restoration” on page 10-12*.

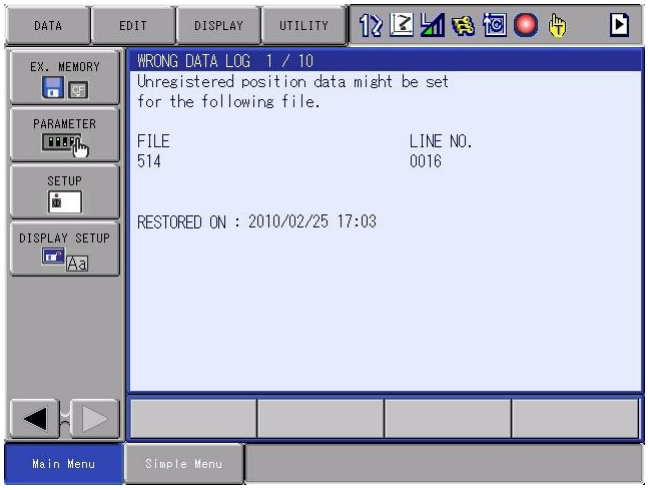
2. Start up the system again

– After the restoration, the system must be started up again. Turn the control power OFF/ON and then execute the following checking operation.

3. Press {SETUP} under main menu and select {WRONG DATA LOG}

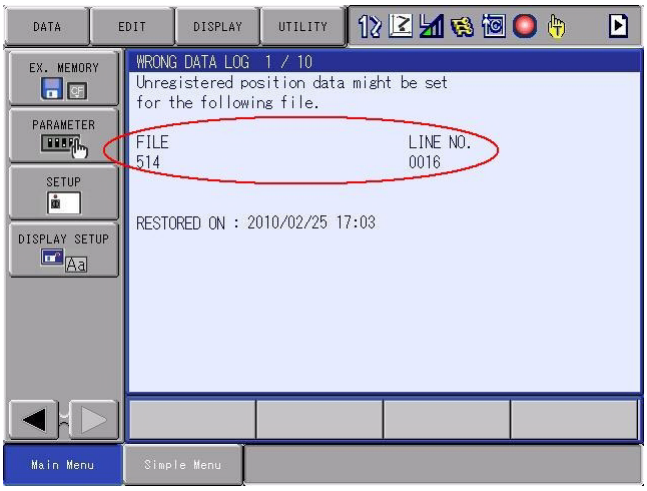


– WRONG DATA LOG appears.

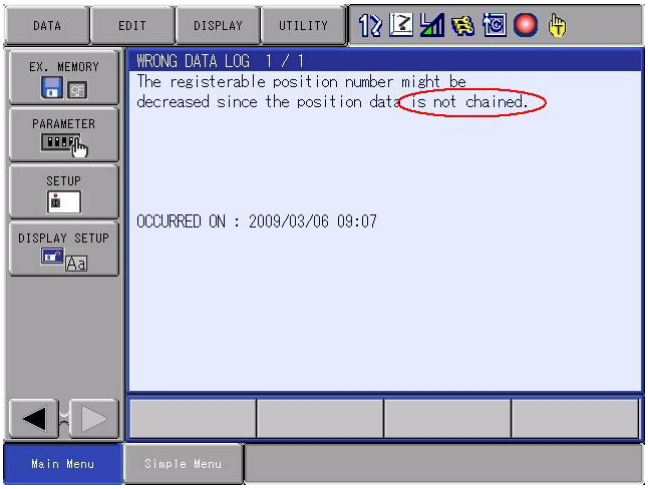


4. Register teaching position again

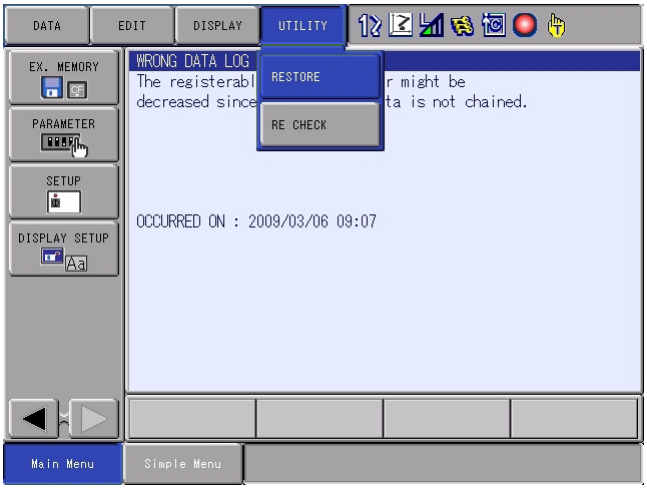
– Register the position data of the file in the screen again.



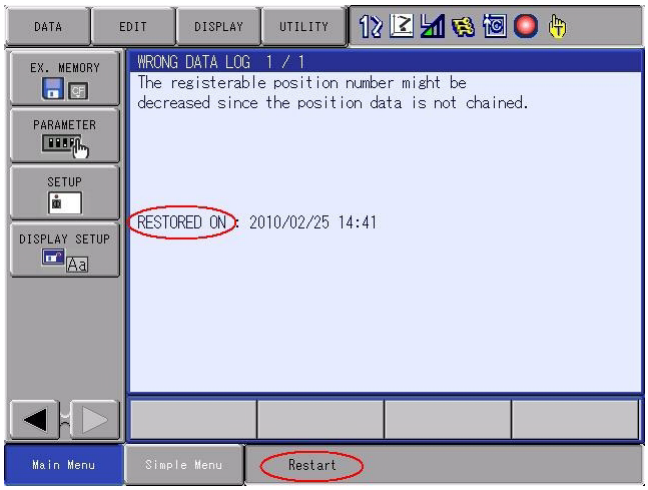
10.2.2.3 In Case Not-Chained Position Data Exists



1. Press {UTILITY} and select {RESTORE}
   – Press {RESTORE} to correct the chain.



– The indication changes from “OCCURRED ON” to “REGISTERED ON”.



* If fail in the restoration

– If the indication doesn’t change from “OCCURRED ON” to “RESTORED ON”, refer to *section 10.3 “If Fail in Simplified Restoration” on page 10-12*.

2. Start up the system again

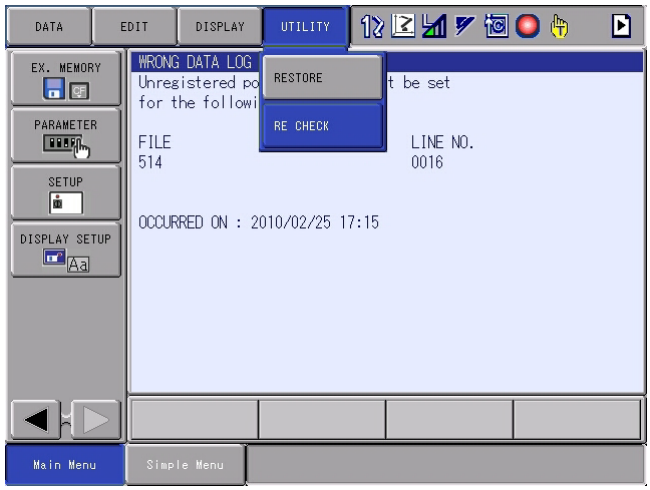
– After the restoration, the system must be started up again. Turn the control power OFF/ON.

10.3 If Fail in Simplified Restoration

Execute the following procedure if failing in the restoration by Job data simplified restoration method.

10.3.1 Rechecking Job Data

1. Select {RE CHECK} under {UTILITY}
   – Press {RE CHECK}



2. Restoration is completed.
   – * Proceed to the next operation *section 10.3.2 “If Data Inconsistency Alarm Occurs Again” on page 10-13* if the alarm occurs again after this operation.

10.3.2 If Data Inconsistency Alarm Occurs Again

Execute the following procedure if the data inconsistency alarm occurs again even after rechecking Job data following *section 10.3 “If Fail in Simplified Restoration” on page 10-12*.

1. Re-register the position data after deleting the data of the file indicated in WRONG DATA LOG screen.
   Refer to *section 10.2.2 “Job Data Restoration Method” on page 10-4* for checking operation after registration. (See the operations after procedure 2 “Start up the system again”.)

2. Execute the following procedures if the position data cannot be deleted or re-registered with the operation indicated above.

   (1) Save Job data and User Coordinate file and Robot Calibration.
   *Delete the position data of the file indicated in WRONG DATA LOG screen in case the following error occurs while saving.

   ERROR: 0040 Undefined robot position variable

   * Refer to section 7.3.0.2 “Saving Data” in the “DX200 OPERATOR’S MANUAL” for details.

   (2) Initialize Job area in maintenance mode.
   *Refer to section 8.18.1 “Initializing Job File” in the “DX200 INSTRUCTIONS” for details.

   (3) Load the data saved in the procedure 1.
   * Refer to section 7.3.0.3. “Loading Data” in “DX200 OPERATOR’S MANUAL” for details.

   (4) Check the motion of the manipulator after loading.
   * Refer to the procedure from procedure “2. Start up the system again.” in *section 10.2 “Job Data Restoration” on page 10-2*.

10.4 Related Parameters

Parameter	Meaning	Setting value	Initial value
S2C303	Data inconsistency check specification	0:Valid 1:nvalid	0
S2C304	Inconsistency detection method in play mode	0:Warning 1:Stop with alarm	0

10.5 Specific Output Signal

The following signal outputs the status of data inconsistency occurrence.

Output signal	Meaning
50696	Indicate the data inconsistency occurrence

11 LED Indicator on Circuit Board

Before the check of a LED indications

In principle, the door must not be opened to prevent electric shock while power is on. However, it is required to open the door to check the LED display for maintenance. Special attention needed to open the door.

WARNING

- To perform this operation, it is required to open the door of the control box while power is on.
- A heavy current ($200V_{AC}$) flows inside the control box. Do not touch the internal unit.

Failure to observe this warning may result in electric shock.

- Close the door as soon as the maintenance work such as LED check is completed.

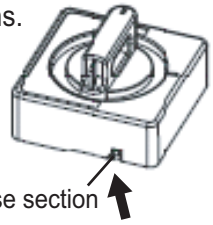
Failure to observe this warning may result in electric shock.

<How to Open and Close the Door>

< Excerpt from information materials of manufacturers >

● Door Lock Mechanism

The door of the control box can be opened at the OFF position. The door of the control box cannot be opened at the ON or trip position because it is locked at these positions. However, pressing the release section in the arrow direction with a tool (3mm wide, 1.8mm thick) makes it possible to open the door locked at the ON or trip position.



WARNING

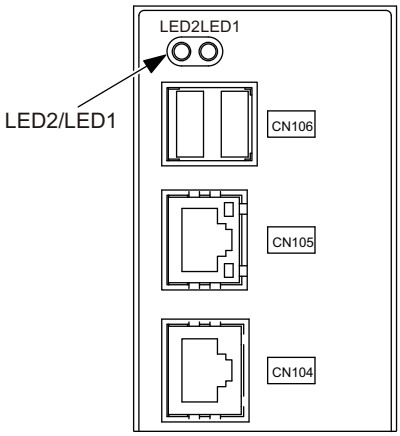
- Close the door as soon as the maintenance work such as LED check is completed.

Failure to observe this warning may result in electric shock.

11.1 LED Indicator on YCP 21 Circuit Board

The LED indicators: LED1/LED2 on the YCP21 circuit board show the statuses as in the following table.

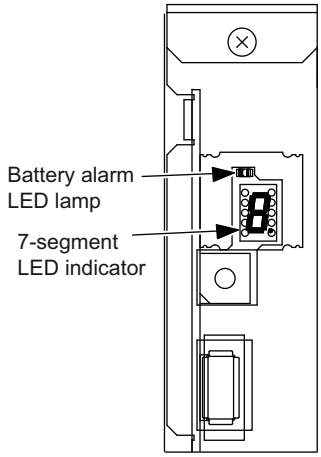
LED0	KED1	Status
OFF	OFF	The power is not turned ON.
ON	OFF	Searches the connecting device.
OFF	BLINK	Before the BIOS starts Searches the booting device
ON	BLINK	Booting device ready
ON	ON	The BIOS initialization has been completed./OS boot starts.



11.2 LED Indicator on Robot I/F Circuit Board

The 7-segment LED indicator and battery alarm LED lamp are located on the robot I/F circuit board (JANCD-YIF01-□E).

See *section 11.3 "7 SEG-LED Indicator"* for details displayed by the 7-segment LED indicator. The battery alarm LED lamp is lit when the battery runs out. See *section 5.1.1 "Replacing Parts of the CPU Unit" on page 5-3*.



11.3 7 SEG-LED Indicator

The following tables show the operating statues for JANCD-YIF01-□E/ JANCD-YCP02. The operating statuses are indicated by 7 SEG-LED.

Table 11-1: ***[Normal Indication]***

Status	**DX200**	
	YIF01	**YCP02**
Right after applying the power	All 7-SEG indicators light up. (‘8’ + ‘.’ light up.)	
During the start-up process	Counts up from ‘O’ toward ‘d’.	
After starting up normally	‘d’ + ‘.’ blink every one second.	

Table 11-2: ***[Error Indication****]*

Status	**DX200**	
	YIF01	**YCP02**
Normal alarm occurrence	‘d + ‘.’ blink every one second.	‘d’, + ‘.’ blink every one second.
Fatal alarm occurrence	The error cause and the address where the error has occurred are indicated by 7 SEG-LED. (See the indication spec 1.)	

Indication Spec 1	E.g.: [-] → [0] → [2] → [0] → [0] →	: Error cause
	[,] → [-] → [0] → [0] → [0] → [0] → [F] → [F] → [0] → [4] is repeated	: Occurrence address

11.3.0.1 7 SEG-LED Indicator Status (1-digit indication) of Each Unit at Error Occurrence

YIF01	
All Lit	The power has been turned ON.
0	The booting program has started.
1	The system program has started. (Starts up initialization of various kinds.)
2	Starts verifying the existence of other circuit boards. (Verifies the start-up of the booting program.)
3	Starts the system program transmission.
4	Sends the request of the system program start-up.
5	Starts verifying the existence of other circuit boards. (Verifies the start-up of the system program.)
6	Acquires hardware information, etc. of other circuit boards. (Verifies the IO board status, servo IF, and so on.)
7	Starts the CMOS data transmission.
8	Sends the pre-online request.
9	Waits for CERF communication synchronization.
A	
B	Sends the start-up request of on-line system.
C	The on-line system has started. (Starts up the initialization task.)
D	Processes the DX200 setup completion. (Servo ON enabled)
E	Alarm occurs at the DX200 setup.
F	The maintenance system is starting up.
P	Communications interrupted between NCP01 and the programming pendant.
U	Updating system software through network.

YCP02	
All Lit	The power has been turned ON.
0	The booting program has started. (ROM/RAM/FP register check)
1	Starts the booting system. (Completes initialization of various kinds.)
2	Completes the preparation for receiving the system program.
3	The system program has been received. (Waits for the request of system change.)
4	The system program has started. (Starts up hardware initialization of various kinds.)
5	Starts the system. (Completes initialization of various kinds.)
6	Starts the CMOS data transmission.

YCP02	
7	Receives the CMOS mapping. (Waits for pre-online)
8	Starts the optional system. (Starts the process of various initialization.)
9	
A	
B	
C	
D	Completes the DX200 setup process.

11.3.0.2 7 SEG-LED Indicator Status (4 digit-indication) of Each Unit at Error Occurrence

YIF01	
0000	Arithmetic error
0001	Debug
0002	NMI
0003	Breakpoint
0004	Overflow
0005	Out of BOUND
0006	Invalid operation code
0007	Device disabled
0008	Double fault
0009	Coprocessor segment overrun
000A	Invalid TSS
000B	Segment absence
000C	Stack segment fault
000D	General protection exception
000E	Page fault
000F	
0010	Floating point error
0011	Alignment check
0012	Machine check
0013	SIMD floating point exception
0014	
0015	

YIF01	
0016	
0017	
0018	
0019	
001A	
001B	
001C	
001D	
001E	
001F	
0900	WDT error

YCP02	
0010	ROM error in the boot section
0020	RAM error
0030	FP register error
0040	On-line communications command error
0100	Reset exception
0200	Machine check exception
0210	WDT error
0300	Data access error
0400	Instruction access exception
0500	
0600	Alignment exception
0700	Program exception
0800	Unavailable floating point exception
0900	
0A00	Undefined exception
0B00	Undefined exception
0C00	System call exception
0D00	Trace exception
0E00	Undefined exception
0F00	Undefined exception
1000	Instruction conversion error exception
1100	Data load conversion error exception
1200	Data store conversion error exception
1300	Instruction breakpoint exception
1400	System management interruption
1500	Undefined exception
1600	Undefined exception
1700	Undefined exception
1800	Undefined exception
1900	Undefined exception
1A00	Undefined exception
1B00	Undefined exception
1C00	Undefined exception
1D00	Undefined exception
1E00	Undefined exception
1F00	Undefined exception
2000	Undefined exception
2100	Undefined exception
2200	Undefined exception
2300	Undefined exception
2400	Undefined exception
2500	Undefined exception
2600	Undefined exception
2700	Undefined exception
2800	Undefined exception
2900	Undefined exception
2A00	Undefined exception

YCP02	
2B00	Undefined exception
2C00	Undefined exception
2D00	Undefined exception
2E00	Undefined exception
2F00	Undefined exception
3010	Receiving data size error
3020	Receiving data sum error
3030	Receiving data write address error
3040	All receiving data sum error

11.4 LED Indicator

The following tables show the operating statues for SRDA-EAXA21/ JANCD-YSF21.

Table 11-3: [Normal indication]

Status	**DX200**	
	EAXA21	**YSF21**
Right after applying the power	All indicators light up.	All indicators light up.
During the start-up process	{Normal status} : D22,D23,D40 (green) light up *Lighting the LED changes according to the activation process. {Detected error} : D48 (red) blink	{Normal status} : D2, D7 (green) blink *Lighting the LED changes according to the activation process. {Detected error} : D5, D10 (red) blink
After starting up normally	{Normal status} : D22 (green) blink {Detected an alarm} : D48 (red) blink	{Normal status} : D2,D7 (green) blink {Detected minor alarm} : D5, D10 (red) blink {Detected major alarm} : D5, D10 (red) light up

12 Program Upload Function

12.1 About Program Upload Function

The system program of the DX200 can be saved into the compact flash inserted to the programming pendant using this program upload function.

This enables restoring the system easily and quickly, even in the case of a failure in the compact flash of the main CPU board (YCP21), by writing the system program and the batch data of the DX200 saved previously.

12.1.1 When the System Program is Required

The system program has been stored in the compact flash removable from YCP21 in the DX200. This enables using the compact flash without interruption even if YCP21 is replaced for its failure.

However, in the case of a compact flash failure, the existing system program needs to be written into the new one. This function enables saving the existing system program to write it into the new one from the DX200 for the case like this.

12.1.2 Applicable Version

CAUTION

Prepare two compact flashes for the restoration of the DX200.

- For saving the system program
  (It is used for writing the program when restoration)

This is for saving the system program from the DX200 by the program uploading operation. This compact flash can also be used for writing the batch data. Please prepare our recommended compact flash. For more details on recommended compact flashes, refer to section 9.1.2 “Device" in the "DX200 INSTRUCTIONS".

- For YCP21

This compact flash is to be inserted to YCP21. Prepare the one inserted to the YCP21, which was shipped as a spare-part, or the one shipped exclusively for YCP21 (it needs a special treatment for start-up, and thus our standard recommended compact flashes are unavailable).

12.2 Program Upload Procedure

Upload the program as shown below.

12.2.1 Preparation of Compact Flash

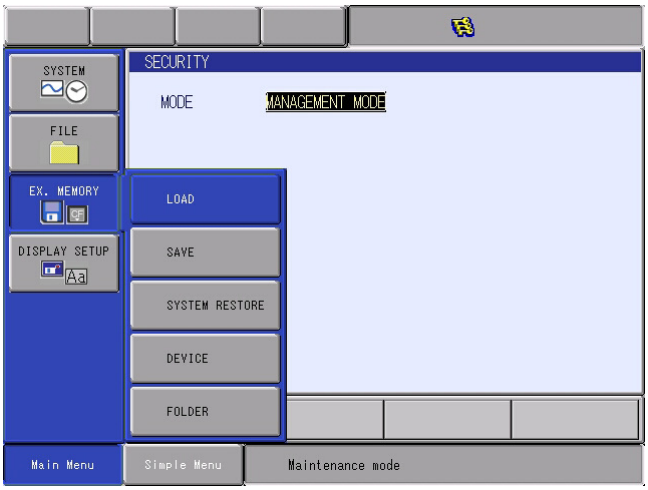
Prepare the compact flash with sufficient capacity (100MByte or more) for saving the system program and perform the following procedures.

1. Connect the compact flash to a PC.
2. Use Explorer, etc. to delete all the data in the compact flash.
3. Remove the compact flash from the PC and insert it to the compact flash slot on the programming pendant.

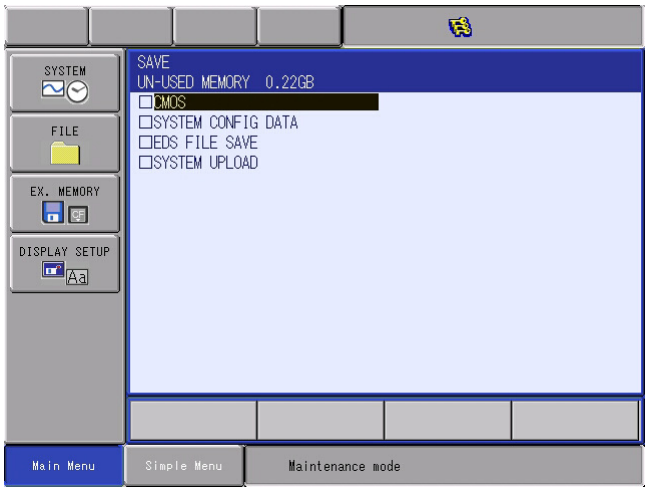
12.2.1.1 Uploading

Upload the program as shown below.

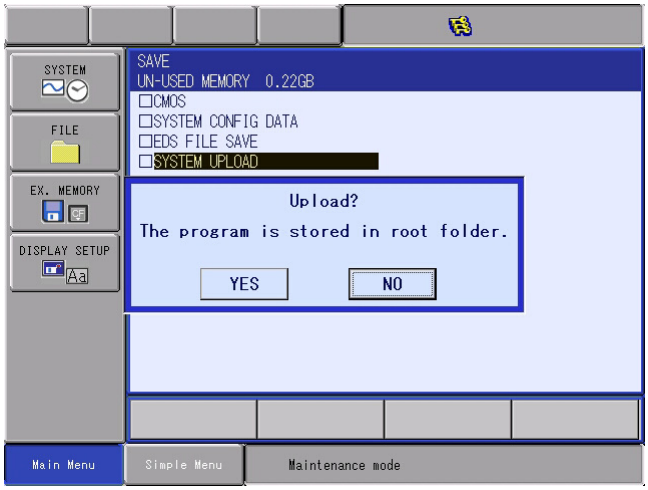
1. Turn ON the DX200 while pressing down the [MAIN MENU].
   – The maintenance mode starts.
2. Set the security mode to the management mode
3. Select {EX. MEMORY} under the main menu.
   – The sub menu appears.



4. Select {SAVE}.
   – The save window appears.



5. Select {SYSTEM UPLOAD}.
   – The confirmation dialog box appears.



6. Select {YES}.
   – Program upload starts.
   – When the message “Program uploading. Don't turn the power off.” on the human interface display area disappears, uploading is completed.

For the case of restoration, be sure to retain the compact flash with the uploaded program after above mentioned procedures.

12.3 Restoration Procedure 1 (Writing the Program)

First, check whether the compact flash of the main CPU board (YCP21) needs replacing. If needed, replace the compact flash and perform the procedures mentioned in *section 12.3 "Restoration Procedure 1 (Writing the Program)" on page 12-4* and *section 12.4 "Restoration Procedure 2 (Loading the Batch Data)" on page 12-6*.

CAUTION

After the compact flash of YCP21 is replaced, the DX200 and the robot cannot be operated correctly unless the correct system program is written-in and the batch data is loaded or initialized in the maintenance mode. To ensure correct and safe operation, please take notice of this matter before operation.

12.3.1 Determining Failure of Compact Flash

If all of the following conditions are met, the compact flash is diagnosed as out of order.

- Power is correctly supplied to each board in the DX200.
- The programming pendant and YCP21 are correctly connected.
- The programming pendant remains displaying the initial window (an image of a robot on the screen) even one minute after the DX200 is turned ON and the 7SEG LEDs of the interface board (YIF01) remain lit.
- Nothing is changed regarding the conditions above after YCP21 is replaced.

For the conditions above, perform the following.

12.3.2 Preparation of Compact Flash for YCP21

Prepare the compact flash for YCP21.

Prepare the one inserted to the YCP21, which was shipped as a spare-part, or the one shipped exclusively for YCP21 (it needs a special treatment for start-up, and thus our standard recommended compact flashes are unavailable).

Insert this compact flash to YCP21.

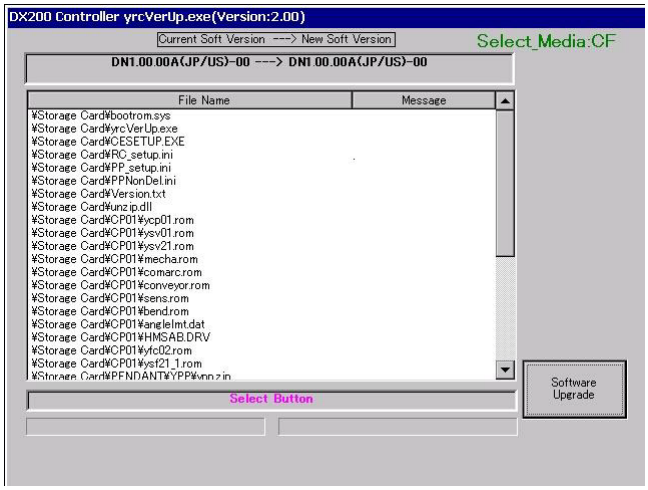
12.3.3 Preparation of Compact Flash for Wiring the Program

Insert the compact flash uploaded in *section 12.2 "Program Upload Procedure" on page 12-2* to the compact flash slot on the programming pendant.

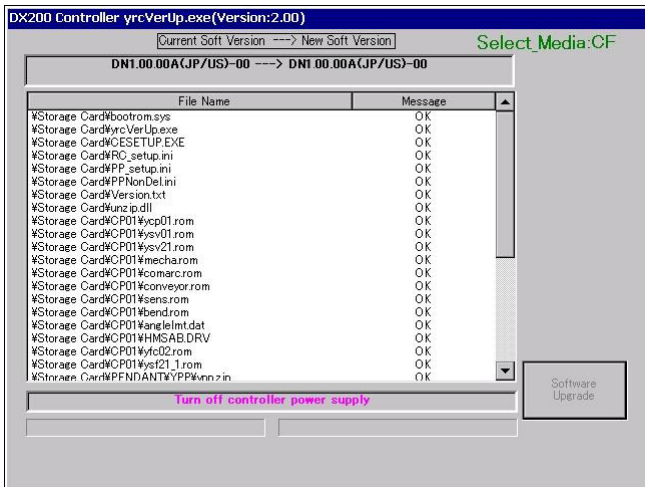
12.3.4 Writing the System Program

Write the system program as shown below.

1. Turn ON the DX200 while pressing down the [INTERLOCK] + [8] + [SELECT].
   – The upgrade tool starts.



2. Select {Software Upgrade}.
   – Start upgrade.
   – When the message “Turn off controller power supply” appears at the bottom of the window, upgrade is completed.



12.4 Restoration Procedure 2 (Loading the Batch Data)

After finish writing of the system program, load the batch data previously saved (saved when the compact flash was correctly operating). The batch data include "CMOS.BIN" and "CMOSBK.BIN" (or "CMOSBK??.BIN: ?? represents a number"). Write any of these data into the compact flash, insert it to the compact flash slot on the programming pendant, and then perform the following.

Use our recommended compact flash (the compact flash for saving the system program is also available).

CAUTION

Before operation, please understand well that the data in the DX200 is replaced with the batch data in the compact flash when loading the batch data.

Check that the data wrote into the DX200 is the same as before after restoring the system. In addition, call the master job and check that the current position of the robot is safe before starting the robot.

The DX200 has the loading limitation of the batch data.
When load the batch data, if the compact flash of the main CPU board(YCP21) is different from the one when saved the batch data, the batch data can not be loaded in the management mode or safety mode. (If the compact flash of the main CPU board(YCP21) is the identical, the batch data can be loaded in management mode or safety mode.)

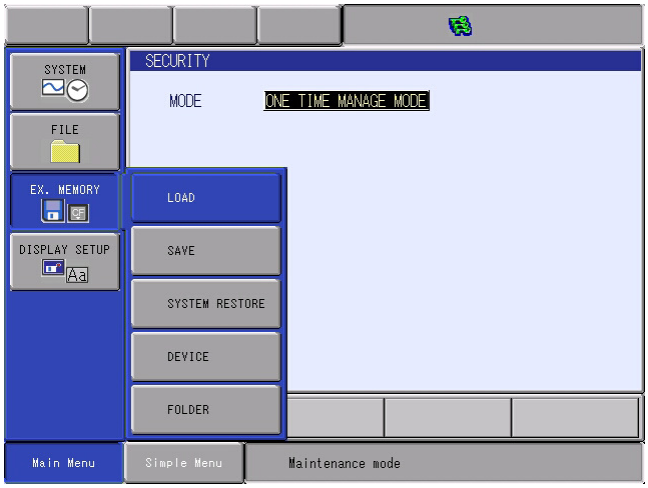
When restore the compact flash of the main CPU board(YCP21), load the batch data in the one time manage mode.
For the one time manage mode, refer to section 7.1 "Protection Through Security Mode Settings" of the DX200 INSTRUCTIONS and contact your Yaskawa representative.

12.4.1 When the Batch Data is "CMOS.BIN"

When the batch data is "CMOS.BIN", write the data as shown below.

1. Turn ON the DX200 while pressing down the [MAIN MENU].
   – The maintenance mode starts.
2. Set the security mode to the one time manage mode.
3. Select {EX. MEMORY} under the main menu.

– The sub menu appears.

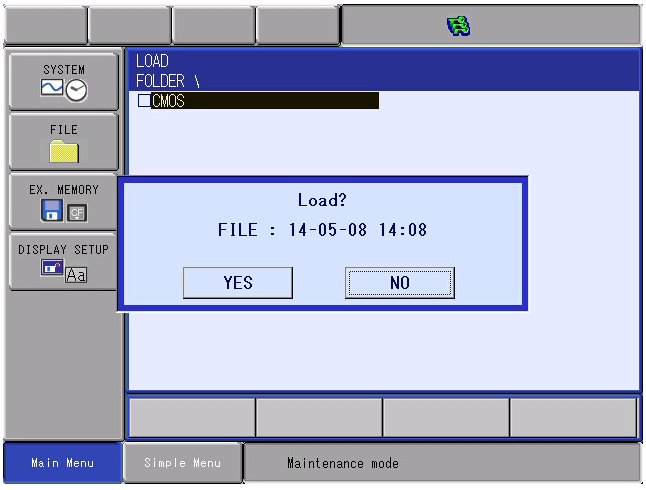


4. Select {LOAD}.

– The load window appears.

5. Select {CMOS}.

– The confirmation dialog box appears.

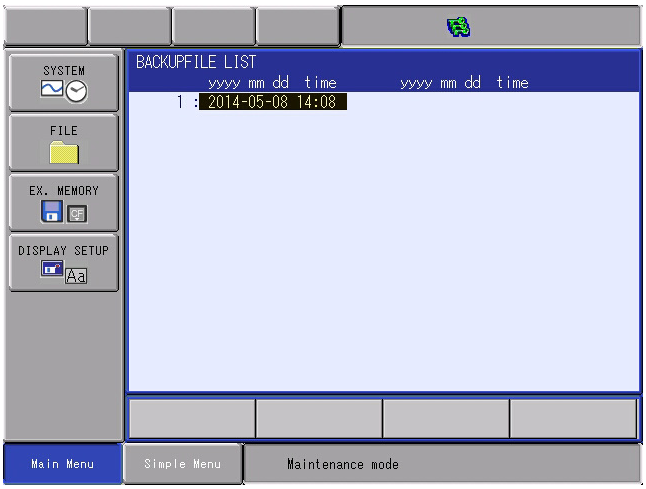


6. Select {YES}.
   – Loading starts and internal data of the DX200 is updated by CMOS.BIN file in the compact flash.
   – When the message "Loading system data. Don't turn the power off." on the human interface display area disappears, loading is completed.

12.4.2 When the Batch Data is "CMOSBK.BIN"

When the batch data is "CMOSBK.BIN (or "CMOSBK??.BIN: ?? represents a number")", write the data as shown below.

1. Turn ON the DX200 while pressing down the [MAIN MENU].
   – The maintenance mode starts.
2. Set the security mode to the one time manage mode.
3. Select {EX. MEMORY} under the main menu.
   – The sub menu appears.
4. Select {SYSTEM RESTORATION}.
   – The backup file list window appears.



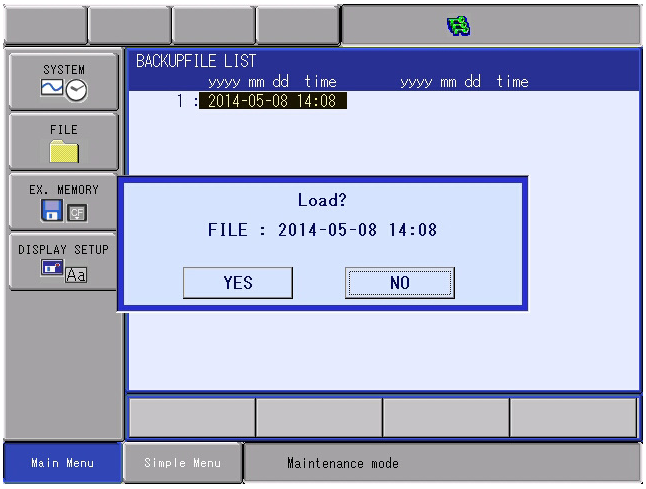
5. Select a date of a file to be backed-up.
   – The confirmation dialogue box to confirm whether the board has been replaced or not appears.

– Select {YES} to initializes “SYS MONITORING TIME”.

– Select {NO} to keep “SYS MONITORING TIME” unchanged.

6. Select {YES} or {NO}.

– The confirmation dialog box for execution appears.



7. Select {YES}.

– Internal data of the DX200 is updated by CMOS.BIN file in the compact flash.

– When the message "Loading system data. Don't turn the power off." on the human interface display area disappears, loading is completed.

12.5 In Case of the Compact Flash Failure

Prepare as follows for the compact flash failure.

> **CAUTION**
>
> Please be prepared for the compact flash failure for the quick and easy restoration of the DX200.

12.5.1 Preparation of Compact flash for YCP21

Prepare the compact flash for YCP21.

Prepare the one inserted to the YCP21, which was shipped as a spare-part, or the one shipped exclusively for YCP21 (it needs a special treatment for start-up, and thus our standard recommended compact flashes are unavailable).

12.5.2 Program Upload

Save the system program of the DX200 into the compact flash following the procedures mentioned in *section 12.2 “Program Upload Procedure” on page 12-2*. Be sure to retain the compact flash for system restoration.

12.5.3 Backup the Batch Data

Backup the batch data by following the procedures mentioned in section 9.2 “Backup by CMOS.BIN" or section 9.3 “Automatic Backup Function" in "DX200 INSTRUCTIONS". Be sure to retain backed-UP data.

13 Trouble Shooting When Alarm is not Displayed

When DX200 doesn't start and any alarm is not displayed, turn ON and OFF the power of DX200 controller.

When the condition doesn't change even after turning ON and OFF the DX200, follow the steps below.

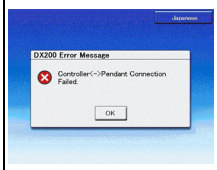
WARNING

- To check the LED display of each unit, open the door of DX200 while the power is ON. When check the LED indication, be sure not to touch devices in the DX200.
  Touching the devices may result in an electric shock.

The data of robot controller is stored in the CF card of YCP21 circuit board and the memory of I/F circuit board (YIF).

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
 The screen does not become bright and nothing is displayed.	Lights OFF	The control power is not provided from the YPS power supply unit.	Power supply failure	When the green LED of YPS power supply unit SOURCE is OFF, check the followings -For the primary power supply voltage, make sure that the voltage is not dropped and there is no open phase. -Make sure that the breaker is not tripped. -Make sure that the fuses of the YPS power ON unit (1FU,2FU) are not melt. When the fuse is melt, replace after checking the cause. (refer to *6) -Check whether the control power supply is not turned OFF by the external REMOTE signal. -Make sure that the following connectors are connected properly and there is no wiring error (disconnection). (1)YPU-CN601, CN603, CN610, CN612 (2) YPS-CN151
			Cable failure	-When the green LED of the YPS power supply unit SOURCE is ON, make sure that the following connectors are connected properly and there is no wiring error (disconnection). (1)YPS-CN152, CN154, CN158 (2)YRK-CN5 (3)YSF22-CN213, CN218 -Make sure that the red LED (5V) in the YPS power supply unit is OFF. When it is ON, make sure that there is no wiring error (ground fault or shortcircuit because of the wire damage) for the following connectors. (1)YPS-CN158 (2)YRK-CN5
		The YPS power supply unit is out of order.	YPS unit failure	Check that all the red LEDs [+5V][+24V][FAN][OHT] of YPS power supply unit are OFF. If these LEDs are OFF, replace the YPS unit. (refer to *3)
	‘P’	The programming pendant is out of order or malfunctions.	Programming pendant failure	-Turn the power OFF then back ON. -If the error occurs again, replace the programming pendant.

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'P'	The power supply is not provided from the YPS power supply unit to the programming pendant.	Cable failure	-Make sure that the cable between programming pendant and DX200 and the following connectors are connected properly and there is no wiring error (disconnection). (1)YPS-CN154 (2)YSF22-CN213, CN218 -After confirming the above and if there is no error, make sure that the red LED (24V) in the YPS power supply unit is OFF. When it is ON, make sure that there is no wiring error (ground fault or shortcircuit because of the wire damage) on the following connectors. (1)YPS-CN154, YPS-CN155 (2)YSF22-CN213, CN218, (3)EAXA-CN509, EAXA-CN510, (4)CV1-CN551, (5)X81(Pendant cable)
		The fuse of JANCD-YSF22□-E circuit board is melt.	YSF22 circuit board fuse failure	Check whether the D15 POWER(green) of JANCD-YSF22□-E circuit board is ON. When it is OFF, check the followings. -When the fuses (F1,F2) of JANCD-YSF22□-E circuit board are melt,
		The JANCD-YSF22□-E circuit board is out of order.	YSF22 circuit board failure	The D15 POWER(green) of JANCD-YSF22□-E circuit board is out of order. Replace the JANCD-YSF22□-E circuit board. (refer to *5)
 The screen remains unchanged from the above, or changes to the following screen in about 6 minutes.	Lights OFF	The power supply is not provided from the YPS power supply unit to the CPU unit.	Cable failure	Make sure that the following connectors are connected properly and there is no wiring error (disconnection). (1) YPS-CN158 (2) YRK-CN5
		The robot I/F circuit board(YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. - If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status		Cause	Remedy
 The message “Controller <-> Pendant Connection Failed” is displayed.	All the LEDs ON (‘8’+’.’ ON)	One or more LEDs (LED1/ LED2) of YCP21 are OFF or flashing.	YCP21 circuit board is out of order or malfunctions.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
			The optional circuit board or YCP02 circuit board inserted into the PCI slot of CPU rack is out of order or malfunctions.	Optional circuit board or YCP02 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the optional circuit board or YCP02 circuit board installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the optional circuit board or YCP02 circuit board installed in CPU rack.
			The CPU rack (backboard) is out of order.	CPU rack failure	-Turn the power OFF then back ON. -If the error occurs again, replace the CPU rack (backboard). (refer to *10)
		Both LEDs (LED1/ LED2) of YCP21 are ON.	The YCP21 malfunctions.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
			The system program cannot be read properly from the CF card in the YCP21 circuit board.	CF card (inserted into YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again though reinstall them, replace the CF card of YCP21 circuit board. (refer to *8)
			The robot I/F circuit board (YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in CPU rack and reinstall them. - If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'0' or '1'	The YCP21 circuit board is out of order or malfunctions.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
		The system program cannot be read properly from the CF card in the YCP21 circuit board.	CF card (inserted into YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing the card, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)
		The specified data cannot be read properly from the CF card in the YCP21 circuit board or an invalid value is specified.	CF card (inserted into YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing the card, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)
		The robot I/F circuit board(YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. - If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
		The CPU rack (backboard) is out of order.	CPU rack failure	-Turn the power OFF then back ON. -If the error occurs again, replace the CPU rack(backboard). (refer to *10)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'P'	A communication error has occurred between the YCP21 circuit board and the programming pendant.	Cable failure	-Turn the power OFF then back ON. -Check the connection and insertion status of the following cables and connectors. (1)The looseness of the programming pendant connector and confirmation by touch. (2)The cable between the YCP21 circuit board(CN105) and the programming pendant (3)The Ethernet cable of YCP21 circuit board(CN105) (4)The connector of YCP21 circuit board(CN105)
		The programming pendant is out of order or malfunctions.	Programming pendant failure	-Turn the power OFF then back ON. -If the error occurs again, replace the programming pendant.
		The communication IC of YCP21 circuit board or its peripheral circuit is out of order.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
		The robot I/F circuit board (YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. - If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
 WindowsCE screen	'P'	The programming pendant is out of order or malfunctions.	IP address or subnet mask specification failure	The IP address or subnet mask of programming pendant may be wrong. Confirm and specify the IP address or subnet mask. The followings are the confirmation procedure. (1)Turn ON the power while pressing "interlock+9+select". (2)After bleeping, leave hand. (3)After the message "Start was canceled" is displayed, press the OK button at the upper right. (4)Touch the lower left of screen with the pen to display the task bar and select START. (5)After the start menu is displayed, select [Settings] → [Control Panel] → [Network and Dial-up Connections] → [SMSC911X17]. (6)IP address specification screen is displayed and then confirm the followings are set. IP Address 10. 0. 0. 4. Subnet Mask 255.255.255. 0 Default Gateway . . . Also, confirm that Specify an IP address is ticked.
			Data failure	The file stored in the programming pendant is not in the specified area. Perform chapter 3 "Programming Pendant Setup" of the DX200 SETUP PROCEDURE MANUAL.
Controller<->Pendant Connection Failed.		The power supply is not provided from the YPS power supply unit to the programming pendant.	Cable failure	(1) Turn the power OFF then back ON (2) If the error occurs again, check the connection and insertion status of the following cables and connectors. a)The looseness of the programming pendant connector and confirmation by touch. b)The cable between the YCP21 circuit board(CN105) and the programming pendant c)The Ethernet cable of YCP21 circuit board(CN105) d)The connector of YCP21 circuit board(CN105)
		The programming pendant is out of order or malfunctions.	Programming pendant failure	(1) Turn the power OFF then back ON (2) If the error occurs again, replace the programming pendant.

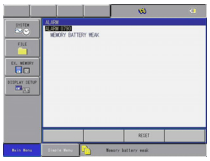
Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'P'	The communication IC of YCP21 circuit board or its peripheral circuit is out of order.	YCP21 circuit board failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. (3) If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
		The specified data cannot be read properly from the CF card in the YCP21 circuit board or an invalid value is specified.	CF card (inserted into YCP21 circuit board) failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. (3) If the error occurs again though reinstall it, replace the CF card of YCP21 circuit board. (refer to *8)
		The robot I/F circuit board(YIF) is out of order or malfunctions.	YIF circuit board failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, remove all the circuit boards installed in CPU rack and reinstall them. (3) If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
Pendant main application start failed.		The programming pendant is out of order or malfunctions.	OS (written in the programming pendant) failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, write the DX200 OS (WindowsCE) to the programming pendant For the writing procedure, refer to chapter 3 "Programming Pendant Setup" of the DX200 SETUP PROCEDURE MANUAL.
Software upgrade failed. Turn the DX200 power OFF and then ON.	'1'	Creating the media for upgrade is failed.	CF (created for upgrade) failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, perform the following procedure. A) Delete files in the CompactFlash. B) Perform section 2.2 "Preparing CompactFlash/USB for Upgrade" of the DX200 UPGRADE PROCEDURE MANUAL. C) Perform the upgrade operation. If the error occurs again though, replace the CF card.

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'1'		USB memory (created for upgrade) failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, perform the following procedure. A) Delete files in the CompactFlash. B) Perform "section 2.2 Preparing CompactFlash/USB for Upgrade" of the DX200 UPGRADE PROCEDURE MANUAL C) Perform the upgrade operation. If the error occurs again though, replace the CF card.
Auto upgrade failed.	'P'	There is no file necessary for the programming pendant or it is out of order.	Programming pendant failure	(1) Turn the power OFF then back ON. (2) If the error occurs again, perform chapter 3 "Programming Pendant Setup" of the DX200 SETUP PROCEDURE MANUAL.
Controller <-> pendant communication has been cut off.		A communication error has occurred between the YCP21 circuit board and the programming pendant.	Cable failure	-Turn the power OFF then back ON. -Check the connection and insertion status of the following cables and connectors. (1)The looseness of the programming pendant connector and confirmation by touch. (2)The cable between the YCP21 circuit board(CN105) and the programming pendant (3)The Ethernet cable of YCP21 circuit board(CN105) (4)The connector of YCP21 circuit board(CN105)
Controller <-> Pendant disconnect.Start reconnect.		A communication error has occurred between the YCP21 circuit board and the programming pendant.	Cable failure	-Turn the power OFF then back ON. -Check the connection and insertion status of the following cables and connectors. (1)The looseness of the programming pendant connector and confirmation by touch. (2)The cable between the YCP21 circuit board(CN105) and the programming pendant (3)The Ethernet cable of YCP21 circuit board(CN105) (4)The connector of YCP21 circuit board(CN105)
YE_AppInstall.exe or unzip.dll file isn't found.	'1'		CF or USB memory (created to install PP customized application) failure	Perform section 8.3 "Installation" of OPTIONS INSTRUCTIONS FOR PROGRAMMING PENDANT CUSTOMIZATION FUNCTION.

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
 Fault: Power Lost Signal !!	"0" → "9" → "9" → "0" is displayed by rotating.	The Power Lost signal of the YPS power unit was detected.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, make sure that the following connectors are connected properly and there is no wiring error (disconnection). (1) YPS-CN158 (2) YRK-CN5 -If the error occurs again though check the wiring, remove all the circuit boards from the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
 Fault: I/O(JL098) Hardware Error!!		Initialization of JL098 incorporated in the robot I/F circuit board(YIF) was failed.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
 Fault: SERVO(JL101) Hardware Error!!		Initialization of JL101 incorporated in the robot I/F circuit board(YIF) was failed.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the M III cable of the YIF circuit board and insert it again. -If the error occurs again though remove and then insert the M III cable, replace the YIF circuit board. After replacing the board, load the COMS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode.(refer to *4)
 Fault: Watch Dog TimeOut Signal !!		An error was detected in the watch dog circuit (which supervises the proper operation of the circuit board) incorporated in the robot I/F circuit board.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
 Character strings are displayed on the white screen and remain unchanged for 5 minutes or longer.	Either of '2' - '9', 'b' and 'C'	The YCP21 circuit board is out of order or malfunctions.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in the CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)
		The system program of YCP21 circuit board can not be read properly.	CF card (inserted into YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing it, load the CMOS.BIN file saved before the error occurs or CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)
		The specified data cannot be read properly from the CF card in the YCP21 circuit board or an invalid value is specified.	CF card (inserted into YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing it, load the CMOS.BIN file saved before the error occurs or CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)
		The robot I/F circuit board(YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
		The programming pendant is out of order or malfunctions.	Programming pendant failure	-Turn the power OFF then back ON. -If the error occurs again, replace the programming pendant.
		The circuit board or the YCP02 circuit board inserted into the PCI slot of CPU rack is out of order or malfunctions.	Optional circuit board or YCP02 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the optional circuit board installed in the CPU rack or the YCP02 circuit board and reinstall it. -If the error occurs again though reinstall it, replace the optional circuit board installed in the CPU rack or the YCP02 board.
		The CPU rack (backboard) is out of order.	CPU rack failure	-Turn the power OFF then back ON. -If the error occurs again, replace the CPU rack (backboard). (refer to *10)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status	Cause	Remedy
	'E' or 'F	The specified data cannot be read properly from the CF card in the YCP21 circuit board or an invalid value is specified.	CF card (inserted into the YCP21 circuit board) failure	Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing it, load the CMOS.BIN file saved before the error occurs or CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)
		The robot I/F circuit board(YIF) is out of order or malfunctions.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
		The programming pendant is out of order or malfunctions.	Programming pendant failure	-Turn the power OFF then back ON. -If the error occurs again, replace the programming pendant.
	'P'	A communication error has occurred between the YCP21 circuit board and the programming pendant.	Cable failure	-Turn the power OFF then back ON. -Check the connection and insertion status of the following cables and connectors. (1)The looseness of the programming pendant connector and confirmation by touch. (2)The cable between the YCP21 circuit board(CN105) and the programming pendant (3)The Ethernet cable of YCP21 circuit board(CN105) (4)The connector of YCP21 circuit board(CN105)
		The programming pendant is out of order or malfunctions.	Programming pendant failure	-Turn the power OFF then back ON. -If the error occurs again, replace the programming pendant.
		The communication IC of YCP21 circuit board or its peripheral circuit is out of order.	YCP21 circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove all the circuit boards installed in CPU rack and reinstall them. -If the error occurs again though reinstall them, replace the YCP21 circuit board. After replacing the board, remove the CF card inserted into the old YCP21 circuit board and insert it into the new YCP21 circuit board. (refer to *2)

Screen status of programming pendant	7SEG LED for robot I/F circuit board (YIF)	Assumed status		Cause	Remedy
 When the power is turned ON, the maintenance mode starts though the mode is not selected and the alarm" Memory battery weak" is displayed."	'F'	The data in the robot I/F circuit board (YIF01) is invalid value.	The battery malfunctions.	Battery failure	-Turn the power OFF then back ON. -Check the connection and insertion status of the YIF01 circuit board (CN110/BAT) connector. -When the LED of the YIF01 circuit board(D5/BAT) is ON, replace the battery. After replacing the battery, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *1)
			The IC storing the data is out of order.	YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
 When the power is turned ON, the maintenance mode starts though the mode is not selected.		The robot I/F circuit board(YIF) is out of order or malfunctions.		YIF circuit board failure	-Turn the power OFF then back ON. -If the error occurs again, remove the YIF circuit board from the CPU rack and reinstall it. -If the error occurs again though reinstall them, replace the YIF circuit board. After replacing the board, load the CMOS.BIN file saved before the error occurs or the CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *4)
		The CF card data in the YCP21 circuit board is invalid value.		CF card (inserted into the YCP21 circuit board) failure	-Turn the power OFF then back ON. -If the error occurs again, remove the CF card from the YCP21 circuit board and reinstall it. -If the error occurs again, replace the CF card of YCP21 circuit board. After replacing it, load the CMOS.BIN file saved before the error occurs or CMOSBK.BIN file saved in the automatic backup function in the maintenance mode. (refer to *8)

*1: Replacing the battery
For the replacement procedure, refer to *section 5.1.1.1 "Replacing the Battery"* of the DX200 MAINTENANCE MANUAL.

*2: Replacing the YCP21 circuit board
For the replacement procedure, refer to *section 5.1.1.2 "Replacing the CPU circuit board (JANCD-YCP21-E)"* of the DX200 MAINTENANCE MANUAL.

*3: Replacing the YPS power unit
For the replacement procedure, refer to *section 5.1.1.3 "Replacing the YPS Unit (JZNC-YPS21-E)"* of the DX200 MAINTENANCE MANUAL.

*4: Replacing the robot I/F circuit board(YIF)
For the replacement procedure, refer to *section 5.1.1.5 "Replacing the Robot I/F circuit board (JZNCD-YIF01-?E)"* of the DX200 MAINTENANCE MANUAL.

*5: Replacing the machine safety logic circuit board
For the replacement procedure, refer to *section 5.1.1.9 "Replacing the Machine Safety Logic Circuit board (JANCD-YSF22?-E)"* of the DX200 MAINTENANCE MANUAL.

*6: Replacing the fuse of the power ON unit(YPU)
For the replacement procedure, refer to *section 5.1.5.1 "Power ON Unit"*of the DX200 MAINTENANCE MANUAL.

*7: Replacing the fuse of the machine safety logic circuit board
For the replacement procedure, refer to *section 5.1.5.3 "Machine Safety Logic Circuit Board"* of the DX200 MAINTENANCE MANUAL.

*8: Replacing the CF card of the YCP21 circuit board
Replace it in the following procedure.

1. Prepare the CF card of the same version.
   Prepare the CF card written the same version of the software as the currently used CF card.
2. Remove the current CF card from the YCP21 circuit board.
3. Install the new CompactFlash into the YCP21 circuit board.
4. Load the backup data.
   When load the CMOS. BIN file to restore, refer to section 9.2.2 "CMOS.BIN Load" of the DX200 INSTRUCTIONS.
   When load the CMOSBK.BIN file saved in the automatic backup function to restore, refer to section 9.4 "Loading the Backup Data from the CompactFlash" of the DX200 INSTRUCTIONS.

*9: CMOS.BIN load or CMOSBK.BIN load
When load the CMOS. BIN file to restore, refer to "chapter 9.2.2 CMOS.BIN Load" of the DX200 INSTRUCTIONS.
When load the CMOSBK.BIN file saved in the automatic backup function to restore, refer to section 9.4 "Loading the Backup Data from the CompactFlash" of the DX200 INSTRUCTIONS.

*10: Replacing the CPU rack
Replace it in the following procedure.

1. Turn OFF the power of the DX200.
2. Remove all wires from the CPU rack. For details, refer to *section 5.1.1 "Replacing Parts of the CPU Unit"* of the DX200 MAINTENANCE MANUAL.
3. Remove the screws fixed in the CPU rack.
4. Replace the CPU rack with a new one.
5. Fix the screws firmly to the CPU rack.
6. Install all the wires removed at the above procedure 2.
7. Set the rotary switch and short pins on each circuit board in the CPU rack to the same value as the old board.

Be sure to back up the data after changing the setting or teaching in case the circuit board is out of order. For the backup procedure, refer to chapter 9 "System Backup" of the DX200 INSTRUCTIONS.

Alarm List

Alarm Number (0000 to 0999)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0010	CPU BOARD INSERTION ERROR	30	YCP21 board was not able to recognize YSF21 board when the control power turned ON.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the YSF21 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0020	CPU COMMUNICATION ERROR	1	No response was sent from the YCP21 board when the control power turned ON.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connectors. • The PCI connector of YCP21 board • The PCI connector of the YIF01 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	No response was sent from the optional board #1 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	No response was sent from the optional board #2 when the control power turned ON.	Setting error	(1)Check the following settings. • The optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	No response was sent from the optional board #3 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	No response was sent from the optional board #4 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	No response was sent from the optional board #5 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	No response was sent from the optional board #6 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	No response was sent from the optional board #7 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		27	No response was sent from the optional board #8 when the control power turned ON.	Setting error	(1)Check the following settings. • Optional board setting in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	No response was sent from the YSF21 board when the control power turned ON.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YCP02 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	No response was sent from the servo board #1 when the control power turned ON. At this time, the DX200 may judge it as signal input such as external hold wrong. However, it is caused by the communication error with servo board #1. Therefore, execute the following measures first of all.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	No response was sent from the servo board #2 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	No response was sent from the servo board #3 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	No response was sent from the servo board #4 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	No response was sent from the servo board #5 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		55	No response was sent from the servo board #6 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	No response was sent from the servo board #7.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	No response was sent from the servo board #8 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		60	No response was sent from the functional safety board #1 when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#1) rotary switch setting (0). • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	No response was sent from the functional safety board board #2 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#2) rotary switch setting (1). • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	No response was sent from the functional safety board #3 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#3) rotary switch setting (2). • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		63	No response was sent from the functional safety board #4 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#4) rotary switch setting (3) • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	No response was sent from the functional safety board #5 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#5) rotary switch setting (4) • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	No response was sent from the functional safety board #6 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#6) rotary switch setting (5) • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	No response was sent from the functional safety board #7 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#7) rotary switch setting (6) • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	No response was sent from the functional safety board #8 when the controller power is turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#8) rotary switch setting (7) • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0021	COMMUNICATION ERROR(SERVO)	50	The communications CPU for the servo board #1 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	The communications CPU for the servo board #2 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	The communications CPU for the servo board #3 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	The communications CPU for the servo board #4 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		54	The communications CPU for the servo board #5 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	The communications CPU for the servo board #6 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	The communications CPU for the servo board #7 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	The communications CPU for the servo board #8 detected an error when the control power turned ON.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0030	ROM ERROR	1	The YCP21 system program is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The system program of optional board #1 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		20	The system program of optional board #1 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	The system program of optional board #2 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	The system program of optional board #3 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	The system program of optional board #4 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	The system program of optional board #5 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	The system program of optional board #6 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	The system program of optional board #7 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		27	The system program of optional board #8 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	The system program of YSF21 board is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	The system program of servo board #1 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		51	The system program of servo board #2 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	The system program of servo board #3 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	The system program of servo board #4 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	The system program of servo board #5 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	The system program of servo board #6 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	The system program of servo board #7 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	The system program of servo board #8 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	The system program of functional safety board #1 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	The system program of functional safety board #2 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	The system program of functional safety board #3 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	The system program of functional safety board #4 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		64	The system program of functional safety board #5 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	The system program of functional safety board #6 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	The system program of functional safety board #7 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	The system program of functional safety board #8 is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0060	COMMUNICATION ERROR (I/O MODULE)	0	The IO module board connected with 0th serial bus exists.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the YSF21 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
		1	An error was detected in communications with the I/O module board connected with 1st serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An error was detected in communications with the I/O module board connected with 2nd serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An error was detected in communications with the I/O module board connected with 3rd serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M II communications cable which I/O module of the corresponding node number • (In case of M II communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		4	An error was detected in communications with the I/O module board connected with 4th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱcommunications cable which I/O module of the corresponding node number • (In case of M Ⅱ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An error was detected in communications with the I/O module board connected with 5th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱcommunications cable which I/O module of the corresponding node number • (In case of M Ⅱcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An error was detected in communications with the I/O module board connected with 6th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of M Ⅱ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	An error was detected in communications with the I/O module board connected with 7th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of M II communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An error was detected in communications with the I/O module board connected with 8th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M II communications cable which I/O module of the corresponding node number • (In case of M II communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		9	An error was detected in communications with the I/O module board connected with 9th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of M IIcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error was detected in communications with the I/O module board connected with 10th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M IIcommunications cable which I/O module of the corresponding node number • (In case of M IIcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	An error was detected in communications with the I/O module board connected with 11th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An error was detected in communications with the I/O module board connected with 12th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	An error was detected in communications with the I/O module board connected with 13th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡcommunicationscable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		14	An error was detected in communications with the I/O module board connected with 14th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱcommunications cable which I/O module of the corresponding node number • (In case of M Ⅱcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	An error was detected in communications with the I/O module board connected with 15th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	An error was detected in communications with the I/O module board connected with 1st PCI connector when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				EIP board failure	In the case of PCU-ETHIO(EtherNet/IP) board, please exchange with the board which firmware version is correct.
				PROFINET board failure	In the case of CP1616(PROFINET) board, please confirm the following communication configuration using SIEMENS manufactured setting tool (STEP 7). Please refer to the user manual of the CP1616 for more information on how to set. • When used as IO controller - Download the project file. • When used as IO device - Assignment of IP address and device name. Factory reset before performing the assignment.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		17	An error was detected in communications with the I/O module board connected with 2nd PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				EIP board failure	In the case of PCU-ETHIO(EtherNet/IP) board, please exchange with the board which firmware version is correct.
				PROFINET board failure	In the case of CP1616(PROFINET) board, please confirm the following communication configuration using SIEMENS manufactured setting tool (STEP 7). Please refer to the user manual of the CP1616 for more information on how to set. • When used as IO controller - Download the project file. • When used as IO device - Assignment of IP address and device name. Factory reset before performing the assignment.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	An error was detected in communications with the I/O module board connected with 3rd PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				EIP board failure	In the case of PCU-ETHIO(EtherNet/IP) board, please exchange with the board which firmware version is correct.
				PROFINET board failure	In the case of CP1616(PROFINET) board, please confirm the following communication configuration using SIEMENS manufactured setting tool (STEP 7). Please refer to the user manual of the CP1616 for more information on how to set. • When used as IO controller - Download the project file. • When used as IO device - Assignment of IP address and device name. Factory reset before performing the assignment.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	An error was detected in communications with the I/O module board connected with 4th PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				EIP board failure	In the case of PCU-ETHIO(EtherNet/IP) board, please exchange with the board which firmware version is correct.
				PROFINET board failure	In the case of CP1616(PROFINET) board, please confirm the following communication configuration using SIEMENS manufactured setting tool (STEP 7). Please refer to the user manual of the CP1616 for more information on how to set. • When used as IO controller - Download the project file. • When used as IO device - Assignment of IP address and device name. Factory reset before performing the assignment.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0100	COMMUNICATION ERROR(EAXA#1)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0101	COMMUNICATION ERROR(EAXA#2)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0102	COMMUNICATION ERROR(EAXA#3)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0103	COMMUNICATION ERROR(EAXA#4)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0104	COMMUNICATION ERROR(EAXA#5)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0105	COMMUNICATION ERROR(EAXA#6)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0106	COMMUNICATION ERROR(EAXA#7)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0107	COMMUNICATION ERROR(EAXA#8)	1	The error was detected during the check of the serial communication watchdog data. Counter value received from EAXA21 board is invalid.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The error was detected during the check of the number of the serial communications. Counter value received from EAXA21 board is off by one cycle.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YPS02 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS02 board. Save the CMOS.BIN before replace the unit to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0200	MEMORY ERROR(PARAMETER FILE)	0	The RC parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The RO parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The SV parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The SVM parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		4	The SC parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The SD parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The CIO parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The FD parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The AP parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		9	The RS parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The SE parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The SVC parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The AMC parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The SVP parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		14	The MF parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	The SVS parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		125	RE parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		126	FMS parameter is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0210	MEMORY ERROR (SYSTEM CONFIG-DATA)		The system configuration information data are damaged.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0220	MEMORY ERROR (JOB MNG DATA)	0	The management data of job files are damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The job files are damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The management data of position data files are damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Memory and play back file is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0230	MEMORY ERROR (LADDER PRG FILE)		The CIO ladder file is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0240	MEMORY ERROR (DEVICENET ALLOC FL)	0	The DeviceNet allocation file 1 is damaged.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The DeviceNet allocation file 2 is damaged.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0270	MEMORY ERROR (CF BACKUP FILE)		The system software version is inconsistent with the version when the internal storage data is set or the CompactFlash on the YCP21 board is damaged.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
0280	MEMORY ERROR (EX IO ALLOC FILE)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then set the IO module.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0290	MEMORY ERROR (NETWORK SETUP)		The network setting file is damaged.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then set the network again.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0300	VERIFY ERROR (SYSTEM CONFIG-DATA)	2	CIO parameter error.	Setting error	(1)Check the following settings. • I/O module settings in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		4	Axis-related parameter error.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Sensor-use parameter error.	Setting error	(1)Check the following settings. • The optional board setting in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The set optional functions are different from those of the mounted optional board.	Setting error	(1)Check the following settings. • The optional board setting in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	IO type error (combination impossible to coexist).	Setting error	(1)Check the following settings. • I/O module settings in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Functional Safety board save data error	Setting error	(1)Select the following menu. • "File"-"Initialize", "Functional Safety Board FLASH Reset" in maintenance mode. (2)Turn the power OFF then back ON.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Ex. AXIS INDIVIDUAL CONTROL Parameter Setting error (EX.TU# out of a range).	Setting error	(1)Check the following settings. • [Option function] - [Ex. AXIS INDIVIDUAL CONTROL(SDA)] settings in maintenance mode

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Ex. AXIS INDIVIDUAL CONTROL Parameter Setting error (Difference in an Ex. AXIS INDIVIDUAL CONTROL Parameter and Physics TU# parameter).	Setting error	(1)Check the following settings. • [Option function] - [Ex. AXIS INDIVIDUAL CONTROL(SDA)] settings in maintenance mode
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	POWER REGENERATIVE FUNCTION Parameter Setting error.	Setting error	(1)Check the following settings. • [Option function] - [POWER REGENERATIVE FUNCTION] settings in maintenance mode
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Parameter setting error of the robot detachment function or axes detachment function.	Setting error	(1)Check the following settings. • [OPTION FUNCTION] - [ROBOT DETACHMENT] settings in maintenance mode. Reset the detachment group setting. •[OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode. Reset the detachment axis setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	Machine safety board save data error	Setting error	(1)Select the following menu. • [File]-[Initialize],[Machine Safety Board FLASH Reset] (2)Turn the power OFF then back ON. (3)If the alarm occurs again, select the following menu. • [File]-[Initialize]-[I/O Data],[YSF LOGIC FILE]
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YSF21 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP21 board
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YIF01 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0301	VERIFY ERROR (OVERRUN INPUT SET)		Sub Code: Control group Parameter specification and OT signal information are wrong	Setting error	(1)Check the following settings. • Connection settings (OT) in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0310	VERIFY ERROR (CMOS MEMORY SIZE)		The CMOS memory capacity is different from its initial setting.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0320	VERIFY ERROR (I/O MODULE)	0	The DX200 verifies that the I/O module which is detected during the startup is the same as the module set at the time of system configuration. This alarm occurs if the DX200 detects an error in the verification process.	Setting error	(1)Check the following settings. • The YIO board type connected to YSF22. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
		1	The I/O module connected to the serial bus #1 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The I/O module connected to the serial bus #2 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The I/O module connected to the serial bus #3 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡcommunicationscable which I/O module of the corresponding node number • (In case of MⅡcommunicationslast station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The I/O module connected to the serial bus #4 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱcommunications cable which I/O module of the corresponding node number • (In case of M Ⅱcommunications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The I/O module connected to the serial bus #5 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The I/O module connected to the serial bus #6 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The I/O module connected to the serial bus #7 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of M Ⅱ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The I/O module connected to the serial bus #8 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		9	The I/O module connected to the serial bus #9 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The I/O module connected to the serial bus #10 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The I/O module connected to the serial bus #11 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The I/O module connected to the serial bus #12 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The I/O module connected to the serial bus #13 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	The I/O module connected to the serial bus #14 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	The I/O module connected to the serial bus #15 is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	The I/O module connected to the 1st PCI bus is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	The I/O module connected to the 2nd PCI bus is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	The I/O module connected to the 3rd PCI bus is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The I/O module connected to the 4th PCI bus is different from the function of the set I/O module.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each IO module for the details of the setting.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0330	VERIFY ERROR (APPLICATION)			YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0340	VERIFY ERROR (SENSOR FUNCTION)			YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0350	VERIFY ERROR (DEVICENET ALLOC FL)		The station No. specified by the DeviceNet allocation file1 is incorrect (the station No. is out of the allowable range, or the specified station board is not the DeviceNet master).	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The MAC_ID specified by the DeviceNet allocation file1 is not consistent with the MAC_ID of the specified station board.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Inconsistency was detected in the scan list of the DeviceNet allocation file1.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		10	The station No. specified by the DeviceNet allocation file2 is incorrect (the station No. is out of the allowable range, or the specified station board is not the DeviceNet master).	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The MAC_ID specified by the DeviceNet allocation file2 is not consistent with the MAC_ID of the specified station board.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		12	Inconsistency was detected in the scan list of the DeviceNet allocation file2.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0370	VERIFY ERROR (SPOT WELDER I/F)		The designation in the parameter is different from the connected welding timer.	Setting error	(1)Check the following settings. • The welding timer designation
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0390	VERIFY ERROR (SEGMENT CLOCK)		Illegal instruction cycle is set.	Setting error	(1)Check the following settings. • Instruction execution cycle

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0400	PARAMETER TRANSMISSION ERROR	30	An error occurred during the parameter/file transfer to the YSF21 board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YSF21 board • The PCI connector of YIF01 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	An error occurred during the parameter/file transfer to the 1st servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	An error occurred during the parameter/file transfer to the 2nd servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	An error occurred during the parameter/file transfer to the 3rd servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	An error occurred during the parameter/file transfer to the 4th servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BINbefore replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		54	An error occurred during the parameter/file transfer to the 5th servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	An error occurred during the parameter/file transfer to the 6th servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	An error occurred during the parameter/file transfer to the 7th servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	An error occurred during the parameter/file transfer to the 8th servo board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	An error occurred during the parameter/file transfer to the 1st functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#1) rotary switch setting (0). • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	An error occurred during the parameter/file transfer to the 2nd functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#2) rotary switch setting (1). • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	An error occurred during the parameter/file transfer to the 3rd functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#3) rotary switch setting (2). • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	An error occurred during the parameter/file transfer to the 4th functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#4) rotary switch setting (3). • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	An error occurred during the parameter/file transfer to the 5th functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#5) rotary switch setting (4). • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	An error occurred during the parameter/file transfer to the 6th functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#6) rotary switch setting (5). • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	An error occurred during the parameter/file transfer to the 7th functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#7) rotary switch setting (6). • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	An error occurred during the parameter/file transfer to the 8th functional safety board.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#8) rotary switch setting (7). • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0410	MODE CHANGE ERROR	30	An error occurred during startup sequence processing with the YSF21 board, and the system did not startup normally.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of YSF21 board • The PCI connector of YIF01 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	An error occurred during startup sequence processing with the servo CPU of 1st servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	An error occurred during startup sequence processing with the servo CPU of 2nd servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	An error occurred during startup sequence processing with the servo CPU of 3rd servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	An error occurred during startup sequence processing with the servo CPU of 4th servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	An error occurred during startup sequence processing with the servo CPU of 5th servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	An error occurred during startup sequence processing with the servo CPU of 6th servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		56	An error occurred during startup sequence processing with the servo CPU of 7th servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	An error occurred during startup sequence processing with the servo CPU of 8th servo board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	An error occurred during startup sequence processing with the CPU of 1st functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#1) rotary switch setting (0). • The EAXA21 board rotary switch setting (0) of the corresponding node number (SV#1)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	An error occurred during startup sequence processing with the CPU of 2nd functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#2) rotary switch setting (1). • The EAXA21 board rotary switch setting (1) of the corresponding node number (SV#2)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	An error occurred during startup sequence processing with the CPU of 3rd functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#3) rotary switch setting (2). • The EAXA21 board rotary switch setting (2) of the corresponding node number (SV#3)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe. • The YSF25 board
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	An error occurred during startup sequence processing with the CPU of 4th functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#4) rotary switch setting (3). • The EAXA21 board rotary switch setting (3) of the corresponding node number (SV#4)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	An error occurred during startup sequence processing with the CPU of 5th functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#5) rotary switch setting (4). • The EAXA21 board rotary switch setting (4) of the corresponding node number (SV#5)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	An error occurred during startup sequence processing with the CPU of 6th functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#6) rotary switch setting (5). • The EAXA21 board rotary switch setting (5) of the corresponding node number (SV#6)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	An error occurred during startup sequence processing with the CPU of 7th functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#7) rotary switch setting (6). • The EAXA21 board rotary switch setting (6) of the corresponding node number (SV#7)

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	An error occurred during startup sequence processing with the CPU of 8th functional safety board, and the system did not startup normally.	Setting error	(1)Check the following settings. • Control group settings in maintenance mode • The YSF25 board (#8) rotary switch setting (7). • The EAXA21 board rotary switch setting (7) of the corresponding node number (SV#8)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occur.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0420	DEVICENET ALLOC FL TRANSMIT ERR	1	The DeviceNet allocation file1 could not be transmitted to the specified station.	Setting error	(1)Check the following settings. [XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				XFB01B board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • XFB01B board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The DeviceNet allocation file2 could not be transmitted to the specified station.	Setting error	(1)Check the following settings.[XFB01 board] • The settings of the objective DeviceNet allocation file • The I/O module settings of the objective DeviceNet board in maintenance mode • The DeviceNet allocation of the I/O module in maintenance mode
				XFB01B board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • XFB01B board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0500	SEGMENT PROC NOT READY			Setting error	(1)Check the following settings. • Instruction execution cycle
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0510	SOFTWARE VERSION UNMATCH	20	1st option board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	2nd option board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	YSF21 board's boot interface version is not corresponding to YCP21.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF21 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	1st servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	2nd servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		52	3rd servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	4th servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	5th servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		55	6th servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	7th servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	8th servo board's interface version is not corresponding to YCP21.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		60	The software version of the functional safety board connected to the 1st servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	The software version of the functional safety board connected to the 2nd servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	The software version of the functional safety board connected to the 3rd servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	The software version of the functional safety board connected to the 4th servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	The software version of the functional safety board connected to the 5th servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		65	The software version of the functional safety board connected to the 6th servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	The software version of the functional safety board connected to the 7th servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	The software version of the functional safety board connected to the 8th servo board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF25 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	The software version of the YSF21 board is unmatched.	Software error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the YSF21 board version and then consult your Yaskawa representative.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0520	AXIS LIMIT OVER	0		Setting error	(1)Check the following settings. • Control group settings in maintenance mode
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0600	MEDAR STATUS ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0601	MEDAR DIAGNOSIS ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0602	MEDAR VERSION ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0603	MEDAR REVISION ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0604	MEDAR MODE CHANGE ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0605	MEDAR SCHEDULE TRANSMIT ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0606	MEDAR ERROR 1			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0607	MEDAR ERROR 2			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0608	MEDAR WELDER TYPE MISMATCH			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0609	MEDAR PARAMETER ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0610	MEDAR STEPPER TRANSMIT ERROR			MADER timer error	Refer to the instruction manual for the MEDAR function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0700	VERIFY ERROR (EX IO ALLOC FILE)				(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then set the IO module.
				Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YIF01 board failure	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0710	LADDER INITIALIZE ERROR			Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0720	LADDER PROGRAM ERROR	1	An error was found in the relay No. specification.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An error was found in the register No. specification.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An incorrect instruction was set.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Output register is used redundantly.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		5	Output relay is used redundantly.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Unconnected relay exists.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The STR instructions are overused.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The AND-STR instructions are overused.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	A syntax error was found in the CNT instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		10	The head of the block starts with an instruction other than the STR instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Excessive machine codes	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The last instruction is not the END instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	An error was found in the PART instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	An error was found in the GOUT instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		15	The No. of operand is incorrect.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	The constant value is incorrect.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	The step capacity exceeds the memory capacity.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	The number of operation instructions exceed the permissible value.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	A syntax error was found in the CNT instruction or TMR instruction.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		20	A syntax error was found in the JMP-LABEL instructions.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	The label of JMP destination does not exist.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0730	COMMUNICATION ERROR (SKS-SERIAL)	0	Welder power serial I/F task cannot be created.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		1	Incorrect values are set for the communication frame number with the welder power.	Setting error	(1)Check the following setting. • The number of communication frames for Welder power serial communication (RS262)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect values are set for the number of the sending bytes per frame with the welder power.	Setting error	(1)Check the following setting. • The number of the sending bytes for Welder power serial communication (RS262)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect values are set for the number of the receiving bytes per frame with the welder power.	Setting error	(1)Check the following setting. • The number of the receiving bytes for Welder power serial communication (RS262)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The binary semaphore to start up event for Welder power serial I/F task cannot be created.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The event resource for Welder power serial I/F task cannot be created	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The completion notification mail of Welder power serial I/F task cannot be created.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Welder power serial I/F task cannot be created.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0790	MEMORY BATTERY WEAK		The YIF01 battery is exhausted.	Connection failure	(1)Check if the battery is correctly connected to CN110/BAT on the YIF01 board.
				Battery failure	(1)Refer to Chapter 5.1.1.1 Replacing the Battery in DX200 Maintenance manual (RE-CHO-A108) and replace the battery.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0800	FILE BACKUP ERROR (YCP21 CF)		The management area (FAT) of Compact Flash in YCP21 board is damaged.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0801	FILE LOAD ERROR (YCP21 CF)			YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3000	PANELBOX.LOG file broken	DATA failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, select the following menu. • [SYSTEM]-[DATA REBUILD]
				Compact Flash failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the Compact Flash. Save the CMOS.BIN before replace the board to be safe. Replace the Compact Flash, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0802	FILE I/O ERROR (YCP21 CF)			YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0803	FILE ERROR		An error occurred during the parameter of Manipulator Model (mecha.rom) loading.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0810	TOYOPUC ALLOC DEF ERROR	1	An error was found in the input/ output direction data of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		3	In the output side setting of allocation configuration data, the specified R-register start No. for the TOYOPUC exceeds the R-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	In the output side setting of allocation configuration data, the set number to use the input side R-register of the TOYOPUC exceeds the R-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	In the output side setting of allocation configuration data, the set number to use the M-register of concurrent I/O exceeds the M-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		8	An error was found in the type set for output direction of allocation configuration data.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An error was found in the type set for input direction of allocation configuration data.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error was found in the type specified for system data of allocation configuration data.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An error was found in the specified number of registers which are used by the system data "CURR.POS. (PULSE)" of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	An error was found in the specified number of registers which are used by the system data "CURR.POS. (XYZ)" of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	An error was found in the specified number of registers which are used by the system data "WELDING INFO." of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	An error was found in the specified number of registers which are used by the system data "TASK INFO." of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	An error was found in the specified number of registers which are used by the system data "EXECUTE PROGRAM INFO." of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	An error was found in the specified number of registers which are used by the system data "INST. MESSAGE" of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	An error was found in the specified number of registers for "Alarm/ Error/Message" in the system data of Allocation setting information.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	In the input side setting of allocation configuration data, the specified R-register start No. for the TOYOPUC exceeds the R-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	In the input side setting of allocation configuration data, the set number to use the input side R-register of the TOYOPUC exceeds the R-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	In the input side setting of allocation configuration data, the set number to use the M-register of concurrent I/O exceeds the M-register limit.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		34	An error was found in the specified number of registers which are used by the system data "standard time setting data" of allocation configuration.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	In the output side setting of allocation configuration data, some of the TOYOPUC's R-registers are specified redundantly.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		42	In the output side setting of allocation configuration data, some of the M-registers of concurrent I/O are specified redundantly.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		44	In the input side setting of allocation configuration data, some of the TOYOPUC's R-registers are specified redundantly.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		45	In the input side setting of allocation configuration data, some of the M-registers of concurrent I/O are specified redundantly.	Setting error	(1)Check the following settings. • Allocation configuration for the TOYOPUC
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the TOYOPUC board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0900	WATCHDOG TIMER ERROR(YIF01 board)		A Watchdog timeout was detected in the YIF01 board.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0901	WATCHDOG TIMER ERROR(YCP02#1)		A Watchdog timeout was detected in the YCP02 #1 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0902	WATCHDOG TIMER ERROR(YCP02#2)		A Watchdog timeout was detected in the YCP02 #2 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0903	WATCHDOG TIMER ERROR(YCP02#3)		A Watchdog timeout was detected in the YCP02 #3 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0904	WATCHDOG TIMER ERROR(YCP02#4)		A Watchdog timeout was detected in the YCP02 #4 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0905	WATCHDOG TIMER ERROR(YCP02#5)		A Watchdog timeout was detected in the YCP02 #5 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0906	WATCHDOG TIMER ERROR(YCP02#6)		A Watchdog timeout was detected in the YCP02 #6 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0907	WATCHDOG TIMER ERROR(YCP02#7)		A Watchdog timeout was detected in the YCP02 #7 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0908	WATCHDOG TIMER ERROR(YCP02#8)		A Watchdog timeout was detected in the YCP02 #8 board.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0909	WATCHDOG TIMER ERROR(SF21)	0	A Watchdog timeout was detected in the YSF21 board.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1		YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0910	CPU ERROR (YCP21)	1	An error was detected in the CPU.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0911	CPU ERROR (YCP02#1)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0912	CPU ERROR (YCP02#2)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0913	CPU ERROR (YCP02#3)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0914	CPU ERROR (YCP02#4)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0915	CPU ERROR (YCP02#5)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0916	CPU ERROR (YCP02#6)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0917	CPU ERROR (YCP02#7)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0918	CPU ERROR (YCP02#8)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0919	CPU ERROR(SF21)	0		YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1		YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YSF21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0931	CPU HANG UP ERROR(YCP02#1)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0932	CPU HANG UP ERROR(YCP02#2)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0933	CPU HANG UP ERROR(YCP02#3)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0934	CPU HANG UP ERROR(YCP02#4)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0935	CPU HANG UP ERROR(YCP02#5)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0936	CPU HANG UP ERROR(YCP02#6)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0937	CPU HANG UP ERROR(YCP02#7)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0938	CPU HANG UP ERROR(YCP02#8)		An error was detected in the CPU.	Setting error	(1)Check the following settings. • Optional board in maintenance mode
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0940	WATCHDOG TIMER ERROR(EAXA#1)		A Watchdog timeout was detected in the EAXA#1 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0941	WATCHDOG TIMER ERROR(EAXA#2)		A Watchdog timeout was detected in the EAXA#2 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0942	WATCHDOG TIMER ERROR(EAXA#3)		A Watchdog timeout was detected in the EAXA#3 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0943	WATCHDOG TIMER ERROR(EAXA#4)		A Watchdog timeout was detected in the EAXA#4 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0944	WATCHDOG TIMER ERROR(EAXA#5)		A Watchdog timeout was detected in the EAXA#5 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0945	WATCHDOG TIMER ERROR(EAXA#6)		A Watchdog timeout was detected in the EAXA#6 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0946	WATCHDOG TIMER ERROR(EAXA#7)		A Watchdog timeout was detected in the EAXA#7 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0947	WATCHDOG TIMER ERROR(EAXA#8)		A Watchdog timeout was detected in the EAXA#8 board.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0950	CPU ERROR (EAXA#1)		An error was detected in the CPU of servo board #1.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0951	CPU ERROR (EAXA#2)		An error was detected in the CPU of servo board #2.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0952	CPU ERROR (EAXA#3)		An error was detected in the CPU of servo board #3.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0953	CPU ERROR (EAXA#4)		An error was detected in the CPU of servo board #4.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0954	CPU ERROR (EAXA#5)		An error was detected in the CPU of servo board #5.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0955	CPU ERROR (EAXA#6)		An error was detected in the CPU of servo board #6.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0956	CPU ERROR (EAXA#7)		An error was detected in the CPU of servo board #7.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0957	CPU ERROR EAXA#8)		An error was detected in the CPU of servo board #8.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of EAXA21 board CN509 • The cable of EAXA21 board connector CN515/516 • The PCI connector of the YIF01 board • The cable of YIF01 board connector CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0970	CPU ERROR (YSF25#1)	0	An error was detected in the CPU of functional safety board #1 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #1 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0971	CPU ERROR (YSF25#2)	0	An error was detected in the CPU of functional safety board #2 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #2 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the SYF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0972	CPU ERROR (YSF25#3)	0	An error was detected in the CPU of functional safety board #3 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #3 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0973	CPU ERROR (YSF25#4)	0	An error was detected in the CPU of functional safety board #4 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #4 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0974	CPU ERROR (YSF25#5)	0	An error was detected in the CPU of functional safety board #5 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #5 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0975	CPU ERROR (YSF25#6)	0	An error was detected in the CPU of functional safety board #6 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBXconnector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #6 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0976	CPU ERROR (YSF25#7)	0	An error was detected in the CPU of functional safety board #7 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #7 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0977	CPU ERROR (YSF25#8)	0	An error was detected in the CPU of functional safety board #8 (CPU1).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error was detected in the CPU of functional safety board #8 (CPU2).	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • CN509 cable of EAXA21 board • The cable of EAXA21 board connector CN515/516 • CNBX connector of EAXA21board and the YSF25 board • The PCI connector of YIF01board • The cable of YIF01 board connector CN113
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0980	WATCHDOG TIMER ERROR (YSF25#1)		A Watchdog timeout was detected in the functional safety board #1.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0981	WATCHDOG TIMER ERROR(YSF25#2)		A Watchdog timeout was detected in the functional safety board #2.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0982	WATCHDOG TIMER ERROR(YSF25#3)		A Watchdog timeout was detected in the functional safety board #3.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0983	WATCHDOG TIMER ERROR(YSF25#4)		A Watchdog timeout was detected in the functional safety board #4.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0984	WATCHDOG TIMER ERROR(YSF25#5)		A Watchdog timeout was detected in the functional safety board #5.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0985	WATCHDOG TIMER ERROR(YSF25#6)		A Watchdog timeout was detected in the functional safety board #6.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0986	WATCHDOG TIMER ERROR(YSF25#7)		A Watchdog timeout was detected in the functional safety board #7.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0987	WATCHDOG TIMER ERROR(YSF25#8)		A Watchdog timeout was detected in the functional safety board #8.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0990	SYSTEM ERROR (YCP21)	1	YCP21board detect the Controller power off signal (Power lost signal) of YIF01 board when the control power turned ON. This alarm may occur, when the control power turned OFF before an online screen is displayed by a programming pendant,	Execute condition failure	Turn the power OFF after the online window appears on the programming pendant.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		2	YCP21board detect the WATCHDOG TIMER ERROR of YIF01 board when the control power turned ON.	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	YCP21board detect the Servo IF Initialize error of YIF01 board when the control power turned ON.	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		4	YCP21board detect the IO IF Initialize error of YIF01 board when the control power turned ON.	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Processing time error of the IO processing	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
		6	Processing time error of the SV communication,	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	It was detected that AC power supply became less than the specified voltage.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of YPS unit connector CN158/159 • The CN5 connector of the YBB21 back board. • Cable replace between the YPS01 unit and the YBB21 back board.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3xxx	YCP21board detect the Servo IF Initialize error of YIF01 board when the control power turned ON. The last three digits indicate an internal error code.	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4xxx	YCP21board detect the IO IF Initialize error of YIF01 board when the control power turned ON. The last three digits indicate an internal error code.	YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YPS unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPS unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
0991	SYSTEM ERROR (YCP02#1)	1	An error was detected in the CPU of the optional YCP02 #1.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0992	SYSTEM ERROR (YCP02#2)	1	An error was detected in the CPU of the optional YCP02 #2.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0993	SYSTEM ERROR (YCP02#3)	1	An error was detected in the CPU of the optional YCP02 #3.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0994	SYSTEM ERROR (YCP02#4)	1	An error was detected in the CPU of the optional YCP02 #4.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0995	SYSTEM ERROR (YCP02#5)	1	An error was detected in the CPU of the optional YCP02 #5.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0996	SYSTEM ERROR (YCP02#6)	1	An error was detected in the CPU of the optional YCP02 #6.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0997	SYSTEM ERROR (YCP02#7)	1	An error was detected in the CPU of the optional YCP02 #7.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub Code	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0998	SYSTEM ERROR (YCP02#8)	1	An error was detected in the CPU of the optional YCP02 #8.	YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • YCP02 board
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
0999	NMI ERROR			Software operation error occurred	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm List

Alarm Number (1000 to 1999)

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1000	ROM ERROR(YCP21)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1001	ROM ERROR(EAXA21)	11	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	A checksum error occurred in the board or the EEPROM.(*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	A checksum error occurred in the board or the EEPROM. (*: axis No.)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	The SRDY signal did not turn ON after the WRITE ENABLE command was written. (EEPROM WRITE ENABLE error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		21	The SRDY signal did not turn ON after the WRITE PROTECT command was written. (EEPROM WRITE PROTECT error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	The SRDY signal did not turn ON after the ERASE command was written. (EEPROM ERASE error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	The SRDY signal did not turn ON after the CLEAR command was written. (EEPROM CLEAR error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	The SRDY signal did not turn ON after data were written. (EEPROM writing error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	The SRDY signal did not turn ON after data were read. (EEPROM reading error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	The written data were rejected at verification. (EEPROM verify error)	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1020	MotoPlus application load error	1	Num of the Application files on the YCP21 CF is over the limit.	Setting error	Delete unnecessary application files "*.out" by MotoPlus menu in the maintenance mode in order not to exceed the file number limitation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Insufficient memory space. At the loading time, remaining CPU memory is less than 2Mbyte (Stipulated memory size for MotoPlus) .	Setting error	Under current system configuration and option function combination, there is not enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure). It may be necessary to replace the YCP21 with the one with larger memory.
		3	MotoPlus application folder "/ Application"cannot be found.	Setting error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Memory size (Code area + static variable area) required by MotoPlus Application is over the limit(2Mbyte).	Setting error	(1) Check the static memory definition of the application program. (2) Redesign the application program in order not to exceed the memory size limitation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Undefined symbols are included in the application. The Symbols are not included in the MotoPlusAPI library or standard function library.	Setting error	Check that the application program doesn't include any undefined symbols such as function and constant that are not provided by the system.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		6	Load failure (The application cannot be loaded since the memory (program area + static variable area) that the MotoPlus application requires exceeds the specified value (2Mbyte) .)	Setting error	(1)Check if the static variables are correctly defined in the MotoPlus application. (2)Review the MotoPlus application program so that the memory used for it doesn't exceed the specified value. (3)Check if the object files are correctly created by MotoPlusIDE.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	API library initialization failure because of Insufficient system memory to load MotoPlusAPI library	Setting error	Under current system configuration and the combination of optional functions, the YCP21 board (Main CPU board) doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure). It may be necessary to change the YCP21 board to the one with a large-capacity memory.
		8	User root task "mpUsrRoot()" not included in the application	Setting error	Check if mpUsrRoot() is described in the application program.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	User root task generation failure	Setting error	Under current system configuration and the combination of optional functions, the YCP21 board (Main CPU board) doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure). It may be necessary to change the YCP21 board to the one with a large-capacity memory.
		10	RAM-Disk generation failure	Setting error	Under current system configuration and the combination of optional functions, the YCP21 board (Main CPU board) doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure). It may be necessary to change the YCP21 board to the one with a large-capacity memory.
1030	MEMORY ERROR (PARAMETER FILE)	0	RCD, RCxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	ROxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	SVD, SVxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	SVMxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	S1CxG, S2C, S3C, S4C parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	S1D, S2D, S3D, S4D parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	CIO parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	FD parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	A1P, A2P, …, A8P parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	RS parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	S1E, S2E, …, S8E parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	SVCxB parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	AMCxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	SVPxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	MFxG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	SVSxB parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	RExG parameter error	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1031	MEMORY ERROR(MOTION1)	0	"GET FILE" instruction, "SET FILE" instruction execution target file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	Home position calibration file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Tool file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	User coordinates file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Robot calibration file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Tool calibration file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Weaving amplitude condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Home position correction data file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Conveyor calibration file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Arm and tool interference prevention file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	Weaving file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	Power Source condition data file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	Welding condition auxiliary file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	Arc start condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	Arc end condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	COMARC condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	COMARC data file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		27	Path correction condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		28	Painting characteristics file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		29	Painting condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Multi-layer index file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	Multi-layer condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	Sensor monitoring condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		34	Conveyor condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		35	Press characteristics file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		36	Servo float condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		37	Spot welding Power Source condition data file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	Air-gun condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		39	Motor-gun condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		40	Gun pressure file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	Gun pressure file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		42	Anticipation OT# output file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		43	Anticipation OG# output file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		44	Handling condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		45	Form cut file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		46	Spot (user) I/O allocation file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	Linear servo float condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		48	Macro definition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		49	Seal amount correction condition file (spray)	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	Seal amount correction condition file (undercoat)	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	Arc monitor file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	Job registration table	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	Painting device condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	Painting system file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	Painting condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	Paint characteristics file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		58	EVB gun file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		59	Paint filling file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	Welding pulse condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	Clearance file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	Linear scale condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	Gauging sensor condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	Conveyor condition auxiliary file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	Laser welding start condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	Laser welding end condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	Palletizing condition file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		68	Air-gun pressure file	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		69	Mastering registration position	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1033	MEMORY ERROR (MODEL DATA FILE)		Sub;Model file number	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
1034	MEMORY ERROR (F-CONDITION FILE)		Sub;force condition file number	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
1050	SET-UP PROCESS ERROR(SYSCON)	1	Motion instruction setup incomplete.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Online error	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	SPOT management file setup incomplete.	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Welder I/F board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the Welder I/F board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1051	SET-UP PROCESS ERROR(MOTION)	1	Unable to properly activate the servo control	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The position data of when the power supply was turned OFF cannot be transmitted to the servo control section	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The servo control section cannot receive the position data of when the power supply was turned OFF	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Unable to send a request to turn ON the PG power supply for the mounted (PICK) axis	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		6	Unable to turn ON the PG power supply for the mounted (PICK) axis	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Unable to send a request to prepare a feedback pulse	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Unable to prepare a feedback pulse	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Unable to send a request to initialize the arithmetic section (ARITH)	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Unable to initialize ARITH	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Unable to send a request to prepare the current position	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Unable to prepare the current position	YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1053	SYSTEM ERROR (EVENT)		Sub Code 1 to 8: Signifies the internal software error at event process.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1100	SYSTEM ERROR		Sub Code C, B, F: Subcode of unknown alarm	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				RAM software data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1101	SYSTEM ERROR (MAN-MACHINE MECHA)		Sub Code 0 to 17: Internal control error in software	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1102	SYSTEM ERROR (MAN-MACHINE APPLI)		Sub Code 0 to 526: Internal control error in software	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1103	SYSTEM ERROR (EVENT)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1104	SYSTEM ERROR (CIO)		Sub Code 1000_0000: I/O module setting error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • CN304 power supply connector • Cable of the YIO21 board and the expanded I/O board
				Setting error	(1)Turn the power OFF then back ON. (2)If the error occurs again, set the I/O module again in maintenance mode. (3)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1105	SYSTEM ERROR (SERVO)	0	No processing corresponds to the command code sent from MOTION section.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
		15	An error occurred in the encoder power supply control process.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		21	A task request was sent to an axis in the alarm status.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		23	A task request was sent to the general SERVOPACKs.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		30	The linear servo float function or gun arm bend compensation function does not support the manipulator type.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	The Motor gun press XYZ position monitoring function cannot be applied for the manipulator type specified in the RC parameter.	Software operation error occurred	(1) Check the parameter setting value. If S1CxG170 is set to the number other than 0 (gun axis), change the setting to 0.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		32	The parameter related to motor gun application is wrong.	Setting error	Check the parameter setting value.
		37	The manipulator (B-axis) passed the singular point while the linear servo float or gun arm bend compensation function is running.	Setting error	(1)Check the following settings. Correct the job so that the manipulator (B-axis) does not pass the singular point while the linear servo float or gun arm bend compensation function is running.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	The wrist axes correction angle surpassed its limit while the linear servo float or gun arm bend compensation function is running.	Setting error	(1)Check the following settings. Correct the teaching point where this alarm occurs. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	The alarm number is illegal.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		49	Parameter was changed during execution of servo float function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	An error occurred when gun control command is executed.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	The axis endless function is set enabled for motor guns.	Setting error	(1)Check the following settings. Disable the corresponding axis endless function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	The machine safety unit(YSF21 board) doesn't support the external axis individual control by the secondary contactor.	YSF21 board failure	Replace the YSF21 board which supports for the external axis individual control by the secondary contactor.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	The sequence was untimely executed in the general-purpose 10ms process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		101	The sequence was untimely executed in the segment_G process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		103	The sequence was untimely executed in the general-purpose 2ms process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		105	The sequence was untimely executed in the dynamics calculation process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		106	The sequence was untimely executed in the dynamics compensation process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		107	The sequence was untimely executed in the servo communications CERF sending process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		108	The sequence was untimely executed in the servo communications CERF receiving process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		109	The sequence was untimely executed in the segment_R process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		110	The universal three clock process executing sequence error process was executed according to unexpected timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		112	The sequence was untimely executed in the segment_OPT1 process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		113	The sequence was untimely executed in the segment_OPT2 process although it was not the execution timing.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		120	A general-purpose 10ms process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		121	The segment_G process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		123	The general-purpose 2ms process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		125	The dynamics calculation process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		126	The dynamics compensation process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		127	The CERF transmission process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		128	The dynamics calculation process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		129	The CERF receiving process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		130	The segment_R process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		131	The segment_E process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		132	The segment_OPT1 process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		133	The segment_OPT3 process did not complete within the time set on the scheduling table.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
		151	The averaging time is not an even number. (times)	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		200	The notch filter doesn't become effective after shifting to PLAY mode.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		303	The difference between the base torque and the target torque exceeded the threshold in the jig robot bending correction.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		500	Inconsistency of FP register.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		700	Data inconsistent status occurred at the start of measurement in the Pendant Oscilloscope Function.	Software operation error occurred	(1)Turn the power OFF then back ON, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		701	Data inconsistent status occurred during the measurement in the Pendant Oscilloscope Function.	Software operation error occurred	(1)Turn the power OFF then back ON, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1000	The check item number of SVD parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1001	The check item number of SV parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1002	The check item number of SVM parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1003	The check item number of SVP parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1004	The check item number of AMC parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		1005	The check item number of MFG parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1006	The check item number of MFA parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1007	The check item number of SVC parameter is unmatched.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2100	The motioning software is not used with circuit board as target.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2500	The JL077 in which the each fault signal is recognized but no notification is sent from the converter.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592 (3)If the alarm repeatedly occurs, check if all the cables above are correctly connected.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3000	The parameter number of the universal SERVOPACK is not valid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4001	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4002	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4003	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4004	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4005	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4006	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4007	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4008	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4009	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4010	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4011	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4012	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4013	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4014	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4015	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4016	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4017	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4018	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4019	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4020	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4021	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4022	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4023	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4024	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4025	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4026	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4027	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4028	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4029	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4030	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4031	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4032	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4033	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4034	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4035	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4036	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4037	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4038	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4039	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4040	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4041	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4042	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4043	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4044	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4045	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4046	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4047	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4048	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4049	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4050	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4051	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4052	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4053	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4054	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4055	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4056	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4057	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4058	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4059	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4060	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4061	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4062	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4063	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4064	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4065	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4066	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4067	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4068	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4069	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4070	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4071	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4072	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4073	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4074	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4075	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4076	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4077	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4078	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4079	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4080	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4081	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4082	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4083	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4084	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4085	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4086	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4087	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4088	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4089	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4090	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4091	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4092	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4093	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4094	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4095	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4096	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4097	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4098	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4099	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4100	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4101	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4102	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4103	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4104	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4105	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4106	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4107	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4108	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4109	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4110	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4111	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4112	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4113	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4114	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4115	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4116	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4117	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4118	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4119	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4120	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4121	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4122	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4123	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4124	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4125	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4126	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4127	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4128	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4129	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4130	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4131	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4132	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4133	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4134	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4135	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4136	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4137	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4138	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4139	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4140	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4141	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4142	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4143	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4144	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4145	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4146	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4147	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4148	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4149	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4150	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4151	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4152	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4153	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4154	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4155	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4156	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4157	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4158	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4159	Execution of motion command did not complete within a certain time period.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6000	The value set for A1P36 exceeds the permissible value.	Setting error	The value set for A1P36 exceeds the permissible value.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7101	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7102	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7103	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		7104	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7105	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7106	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7107	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7108	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7109	The override ratio is invalid.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7201	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7202	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7203	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		7204	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7205	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7206	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7207	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7208	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7209	Interpolation cycle is shorter than the set value.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7401	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7402	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7403	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		7404	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7405	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7406	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7407	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7408	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7409	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7500	Direct-in number setting error (NSRCH)	Setting error	Three or more direct-in numbers are set for NSRCH instruction. Check the direct-in number setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7600	The setting value for touch pressure is not appropriate.	Setting error	The value set for Touch press (proportion to the 1st pressure) in the gun detail setting file is over 100%. Change the setting value to less than 100%.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1109	SYSTEM ERROR(CONVEYOR)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1200	HIGH TEMPERATURE(IN CNTL BOX)			The temperature rises in the controller	If the LED (OHT) on the YPS21 unit lights up, wait until the inside of the controller has got cool and then turn the power OFF then back ON.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection of the following cable. • CN159 power supply cable of the cooling fan in the YPS21 unit
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following unit. • YPS21 unit
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1204	COMMUNICATION ERROR(I/O MODULE)		The communication error slot (Serial-bus-connected I/O module communication station No.) is displayed by the bit. 0: correct / 1: incorrect	Connection failure	Check the insertion and connection of the followings. • The M II communications cable which I/O module of the corresponding sub code • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				IO module failure	Replace the I/O module of the corresponding station number.
				Power supply broken	Replace the 24V power supply supplied to the I/O module of the corresponding station number.
				YIF01 board broken	Save the CMOS.BIN file. Replace the YIF01 board, and then load the saved CMOS.BIN file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1220	LAN COMMUNICATION PARAMETER ERROR	1	Incorrect setting of the IP address which is used in the Ethernet function.	Setting error	(1)Check the following settings. • IP address setting of network in maintenance mode

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect setting of the subnet mask which is used in the Ethernet function.	Setting error	(1)Check the following settings. • Subnet mask of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect setting of the default gateway which is used in the Ethernet function.	Setting error	(1)Check the following settings. • Default gateway of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect setting of the host address which is used in the Ethernet function.	Setting error	(1)Check the following settings. • Server (host) of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Incorrect setting of the parameter which is used for the SNTP of the Ethernet function.	Setting error	(1)Check the following settings. • SNTP setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	Incorrect setting of the IP address of the SNTP server which is used in the Ethernet function of the SNTP.	Setting error	(1)Check the following settings. • SNTP setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		32	Incorrect setting of the IP address of the SNTP server which is used in the Ethernet function of the SNTP.	Setting error	(1)Check the following settings. • SNTP setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	Incorrect setting of the DHCP parameter which is used in the Ethernet function of the SNTP.	Setting error	(1)Check the following settings. • SNTP setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	Incorrect setting of the host name which is used in the Ethernet function.	Setting error	(1)Check the following settings. • Host name of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		71	Incorrect setting of the IP address of the DNS server which is used in the Ethernet function of the DNS.	Setting error	(1)Check the following settings. • DNS setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		73	Incorrect setting of the DHCP parameter which is used in the Ethernet function of the DNS.	Setting error	(1)Check the following settings. • DNS setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		74	Incorrect setting of the DHCP parameter which is used in the Ethernet function of the DNS.	Setting error	(1)Check the following settings. • DNS setting of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		75	Incorrect setting of the domain which is used in the Ethernet function.	Setting error	(1)Check the following settings. • Domain name of network in maintenance mode
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1221	ETHERNET INITIAL PROCESS ERROR	1	An error occurred in the device initialization process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		2	An error occurred in the IP address setting process of the Ethernet function.	Setting error	(1)Check the following settings. • IP address setting of network in maintenance mode"
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		3	An error occurred in the subnet mask setting process of the Ethernet function.	Setting error	(1)Check the following settings. • Subnet mask of network in maintenance mode
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		4	An error occurred in the default gateway setting process of the Ethernet function.	Setting error	(1)Check the following settings. • Default gateway of network in maintenance mode
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		5	An error occurred in the host name setting process of the Ethernet function.	Setting error	(1)Check the following settings. • Server (host) of network in maintenance mode
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		6	An error occurred in the MAC address getting process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		20	An error occurred in the Web server task creating process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		21	An error occurred in the FTP server task creating process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		22	An error occurred in the FTP client task creating process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		30	An error occurred in the semaphore generation process for access exclusion of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		50	An error occurred in the Web server task management ID getting process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		51	An error occurred in the FTP server task management ID getting process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		59	An error occurred in the DHCP acquisition item setting process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		60	An error occurred in the DHCP initialization process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		61	An error occurred in the DHCP interface of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		62	The data acquisition process from the server did not complete within regulated time.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	The data acquired from the server were found illegal in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	An error occurred in the subnet mask acquisition process in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	An error occurred in the DNS server address acquisition process in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	An error occurred in the Ethernet function DNS domain getting process in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	An error occurred in the SNTP server address acquisition process in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		68	An error occurred in the IP address acquisition process in the DHCP of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		69	An error occurred in the DHCP interface structure object mapping process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	An error occurred in the DNS resolver initialization process of the Ethernet function.	Setting error	(1)Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		71	An error occurred in the DNS resolver setting of the Ethernet function.	Setting error	(1)Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		72	The parameter setting error occurred in the DNS resolver setting of the Ethernet function.	Setting error	(1)Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		73	The mode error occurred in the DNS resolver setting of the Ethernet function.	Setting error	(1)Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		80	An error occurred in the basic library initialization process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		81	An error occurred in the initialization process other than basic library of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		100	An error occurred in the IP address acquisition process in the DHCP of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		240	An error occurred in the start process of the Ethernet function Telnet (for onboard).	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
		241	An error occurred in the start process of the Ethernet function Telnet (for expand).	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
1222	IP ADDRESS SET FAIL(DHCP)		IP address could not be obtained at DHCP.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1240	SAFETY FIELDBUS SETTING ERROR	1	Machine Safety doesn't correctly read the value of the processing start wait time.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the following parameter file in online mode. Initialize the following parameter file in maintenance mode, and then load the parameter file saved in the external memory device. • SD.PRM
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1241	SAFETY FIELDBUS SYSTEM ERROR	1	Processing of safety field bus was not successful.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Processing of safety field bus was not completed to the default time.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	error was detected with the status check of safety field bus communication.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Invalid processing was detected by the safety field bus.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Invalid processing was detected by the safety field bus.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2xxxx	The error was detected by the CIP Safety stack (CH1). Subcode shows the error part of software.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3xxxx	The error was detected by the CIP Safety stack (CH2). Subcode shows the error part of software.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1300	SERVO CPU SYNCHRONIZING ERROR			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1301	COMMUNICATION ERROR(SERVO)	0	Communication status error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the LED of the YPS21 unit: If any of the following red LED indications; +5V or +24V, FAN, OHT has lighten up, replace the YPS21 unit.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	Watchdog timer error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the LED of the YPS21 unit: If any of the following red LED indications; +5V or +24V, FAN, OHT has lighten up, replace the YPS21 unit.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	JL0101 alarm	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the LED of the YPS21 unit: If any of the following red LED indications; +5V or +24V, FAN, OHT has lighten up, replace the YPS21 unit.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Communication status error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the LED of the YPS21 unit: If any of the following red LED indications; +5V or +24V, FAN, OHT has lighten up, replace the YPS21 unit.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Data consistency error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the LED of the YPS21 unit: If any of the following red LED indications; +5V or +24V, FAN, OHT has lighten up, replace the YPS21 unit.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1303	ARITHMETIC ERROR(SERVO)		The data [X____] indicates the generation process. 10000: Observer control 20000: High-precision path control 30000: Dynamics 40000: Disturbance observer control The data [_YYY_] indicates the alarm contents. The data [____Z] indicates the physical axis number.	Tool file setting error	(1)Check the following settings. Reexamine the tool file setting. (Check the units of mass and center of gravity, positive/negative signs.)
				Motor load error	(1)Check the followings. Overload is applied to the manipulator. Correct the tools, the work pieces, and the drive condition.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1304	EX-AXIS BOARD NOT INSTALLED			Setting error	(1)Check the following settings. Check the parameter setting of external axis selection.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CNAX-EAXB21
				EAXB board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1306	AMPLIFIER TYPE MISMATCH		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the following settings. • Check the current capacity of the amplifier before/after replacement by the model described in board. • When the external axis is mounted, check if there is no difference between the amplifier selected at configuration and the amplifier that is actually mounted. Reference parameter: after SVPxG232
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN501to 506 • EAXB21-CN531,532,533 • Amplifier-CN581 • EX1SV(Extrnal axis servo pack)-CN591,595 • SGDM(Large Capacity)-CN1
				Module failure (amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1307	ENCODER TYPE MISMATCH		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the following settings. • Check the motor type before and after the replacement. • When the external axis is mounted, check if there is no difference between the motor selected at configuration and the motor that is actually mounted.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN508 • EAXB21-CN534,535,536

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1308	CONVERTER TYPE MISMATCH		Sub Code: Signifies the converter in which the alarm occurred	Setting error	(1)Check the following settings. • Check the current capacity of the amplifier before/after replacement by the model described in board. • When the external axis is mounted, check if there is no difference between the converter selected at configuration and the converter that is actually mounted. Reference parameter: after SVCxB040
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1309	HARDWARE ERROR (CONVERTER)			Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1310	CHARGE ERROR (CONVERTER)			Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				Primary power failure	Check if the primary power supply voltage does not drop with a tester, etc.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1311	A/D DETECTION ERROR (CONVERTER)			Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1312	ID ERROR (CONVERTER)		Sub Code: Signifies the converter in which the alarm occurred	Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1313	COMMAND ERROR(SERVO)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1314	VERIFY ERROR (PARAMETER) (SERVO)			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1316	COMMUNICATION WDT ERROR(SERVO)			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then remove the CF from the failure YCP21 board to insert it into the new YCP21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1317	COMMAND TIMEOUT(SERVO)		Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1318	CANNOT EXECUTE COMMAND(SERVO)		Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1319	SERIAL ENCODER MODULE ERROR			Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1320	SERIAL ENCODER SENSOR ERROR			Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1321	BRAKE BOARD ERROR			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • YFC22-CN219(AXDIN, AXIN) • YSF22-CN219 (3)Check the connection of wiring around the brake circuit board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1325	COMMUNICATION ERROR(ENCODER)		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1326	DEFECTIVE ENCODER ABSOLUTE DATA		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board and the EAXB board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1327	ENCODER OVER SPEED		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2) Before turning the servo power OFF, change the manipulator posture so that any axes won't drop when the servo power is turned ON. (3) If the alarm occurs again in combination with encoder backup error, replace the battery of the appropriate axis. (4) If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Encoder failure	Replace the defective motor (encoder).
				YBK21 board failure	(1)Check the following settings. Check whether to find error in the brake slip and the brake control relay.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1328	DEFECTIVE ENCODER		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1329	DEFECTIVE SERIAL ENCODER COMMAND		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1330	MICRO PROGRAM TRANSMIT ERROR		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1331	CONVERTER CHARGE ERR(CONVERTER)			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Primary power failure	Check if the primary power supply voltage does not drop.
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1332	POSITION ERROR			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe. • Check the position after the alarm.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Noise interference	Check the following settings. • Check the grounding condition of Manipulator. • Install a ferrite core to the motor power line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1333	POSITION ERROR (SERIAL ENCODER)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Noise interference	Check the following settings. • Check the grounding condition of Manipulator. • Install a ferrite core to the motor power line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1335	ENCODER NOT RESET		Sub Code: Signifies the axis in which the alarm occurred	Battery failure	Replace the battery.
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1339	OVER SPEED LIMIT			Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1341	SERVO OVERRUN ERROR			Motion range error	Check if the overrun limit switch is activated by the manipulator.
				Connection failure	Check the overrun line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1343	COMMUNICATION ERROR (CONVERTER)	101	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		102	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		106	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		201	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		202	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		203	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		204	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		205	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		206	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		301	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		302	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		303	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		304	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		305	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		306	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		401	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		402	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		403	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		404	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		405	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		406	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		501	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		502	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		503	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		504	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		505	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		506	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		601	Communication status error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		602	Command timeout (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		603	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		604	CRC-16 failure (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		605	Error code received (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		606	Receive command error (The first digit shows the converter No.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1345	SAFE CIRCUIT SIGNAL NOT SAME(SV)		Sub Code: XYY (Signifies the power-ON unit No. and unmatched signal No.) X: Power-ON unit 0: Power-ON unit1 (TU#1) 1: Power-ON unit2 (TU#2) 2: Power-ON unit3 (TU#3) 3: Power-ON unit4 (TU#4) 4: Power-ON unit5 (TU#5) 5: Power-ON unit6 (TU#6) YY: Unmatched signal 01: KMMA signal unmatched error 02: SVMAIN signal unmatched error 03: SVMAIN1/2 signal unmatched error 04: IORDY signal unmatched error 05: ONEN signal unmatched error 06: FUCUT signal unmatched error 07: SHOCK1 signal unmatched error 08: EXOT signal unmatched error 09: OT signal unmatched error 10: TUSONER signal unmatched error 11: SVCMPER signal unmatched error	Connection failure	Check if the unmatched two double-checked signals are in agreement.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1345	SAFE CIRCUIT SIGNAL NOT SAME(SV)		12: TCER signal unmatched error 13: SON_OUT signal unmatched error 14: BRRVER signal unmatched error 60: Error due to unmatched output signal for servo board failure 61: Error due to unmatched signal for the main contactor state (closed contact) 62: Error due to unmatched signal for the main contactor state (open contact) 63: Error due to unmatched input signal for the main contractor control relay 64: Error due to unmatched input signal for the OT recovery 65: Error due to unmatched input signal for the external WDT 66: Error due to unmatched 1FB input signal: the brake release control signal E.g.) Sub Code: 208 EXOT signal of the Power-ON unit2 (TU#2) is unmatched.	Connection failure	Check if the unmatched two double-checked signals are in agreement.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1349	POWER LOST DETECTION (EAXA21/02)			Instant power failure	Check if the primary power supply voltage is dropping.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1352	SERIAL ENCODER CORRECTION ERROR		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1355	SERIAL ENC MULTITURN LIMIT ERR		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1356	SPECIFIED AXIS ERROR			Setting error	Check the job setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1357	PRESS ERROR			Setting error	Check the job setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1360	PA NOT INSTALLED			Connection failure	Check the inserting and connection of pre-aligner.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1365	GROUND FAULT		Sub Code: Signifies the axis in which the alarm occurred. (If the alarm occurred at an axis which is driven by a common converter, all the subject axes are indicated.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. ・EAXA21-CN507,510 ・Converter CN551,553,555 ・EX1SV (External axis SERVO PACK)-CN592 ・YPU unit-CN604
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following cables. Check the axis in which earth fault occurs in the alarm history screen. If both robot axes and external axes use the same type converter, the earth fault may occur on the external axis not the robot axis. (There is also a possibility that it is stained by water) (1) External axis cables (Power wire) (2) Traveling axis cable (Power wire) (3) Power supply cable (Robot axis, external axis) (Power wire) (4) Internal cables (Robot axis, external axis) (Power wire)

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure(Regenerative resistor)	Check if there is no ground fault in the regeneration resistors.
				GND wiring failure	(1)Turn the power OFF then back ON. (2) If the alarm repeats, check the voltage of the primary power and GND. If the voltage amount on each RST varies more than 100V, review the GND setting.
				Module failure(motor)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the motor.
				Module failure(amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				Module failure(contactor)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the contactor.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replacing the YPU unit to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1366	WDT ERROR (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. ・EAXA21-CN507,510 ・EAXB21-CN531,532,533 ・Converter CN551,553 ・EX1SV (External axis SERVO PACK)-CN591,592
				Module failure(converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1367	OVERVOLTAGE (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. ・EAXA21-CN507,510 ・EAXB21-CN531,532,533 ・Converter CN551,553 ・EX1SV (External axis SERVO PACK)-CN591,592
				Setting error	Check the following settings. ・The load mounted on the manipulator
				Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10％～ 15％).
				Module failure(Regenerative resistor)	(1)Disconnect the converter CN557 to check if there is no cable disconnection. (2)If disconnected, replace the regenerative resistor.
				Module failure(converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1368	REGENERATIVE TROUBLE (CONVERTER)		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. ・EAXA21-CN507,510 ・EAXB21-CN531,532,533 ・Converter-CN557 ・Cable between the regenerative resistors
				Module failure(Regenerative resistor)	Replace the regenerative resistor.
				Module failure(converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Overloading	Check that the load does not exceed the allowable limit.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1369	INPUT POWER OVER VOLTAGE(CONV)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10%～ 15%).
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. ・EAXA21-CN507,510 ・EAXB21-CN531,532,533 ・Converter CN551,553 ・EX1SV (External axis SERVO PACK)-CN591,592
				Module failure(converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1400	ENCODER ERROR(CONVEYOR)	1	Conveyor encoder 1 is abnormal.	Connection failure, Module failure (encoder)	Replace the cable of the conveyor encoder 1 or encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Conveyor encoder 2 is abnormal.	Connection failure, Module failure (encoder)	Replace the cable of the conveyor encoder 2 or encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Conveyor encoder 3 is abnormal.	Connection failure, Module failure (encoder)	Replace the cable of the conveyor encoder 3 or encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1401	CANNOT CHANGE CONVEYOR MODE			Input error	Do not switch "Encoder / Virtual encoder" with the general signal while performing the conveyor synchronized function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1402	WORK IN/NOT DATA CNT. LMT. OVER			Work status error	Check the work in/not shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1403	WORK IN/NOT SHIFT DATA POS LMT.			Work status error	Check the work in/not shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1404	WORK ID. DATA CNT. LMT. OVER			Work status error	Check the work in/not shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1405	WORK ID. SHIFT DATA POS LMT.			Work status error	Check the work in/not shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1406	START SHIFT DATA CNT. LMT. OVER			Work status error	Check the start shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1407	START SHIFT DATA POS LMT.			Work status error	Check the start shift data and actual the work status within the shift area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1420	SYSTEM ERROR(BENDING)		Sub Code: 1-221 It is the kind of sensor process error of Bending function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1421	ENCODER ERROR(LNR SCALE)		Sub code: Linear scale port number	Linear scale or the connection failure	(1)Check the linear scale value and the connection.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1422	CANNOT CHANGE ENCODER INPUT			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1437	PORT OPEN ERROR			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1500	SAFETY CIRCUIT FAULT(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1501	SVMX RELAY STICKING(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1502	CONTACTOR STICKING (SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1503	SAFETY CIRCUIT IN FAULT(SV I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1504	TUSON RELAY STICKING (SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1506	BROKEN CONTACTOR FUSE(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1507	BROKEN S_ON FUSE(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1508	SAFETY CIRCUIT WDT ERROR(SV I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1509	EXTERNAL WDT OVER(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1510	EXTERNAL WDT BROKEN(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1511	COMMUNICATION ERR (PLDs)(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1512	POWER SUPPLY FAN ERROR(SERVO)			Connection failure	Check the power supply cable of the cooling fan in the CPS power unit.
				Circuit board failure (YPU unit)	Check the cooling fan in the CPS power unit is working. Replace the CPS power unit.
				Install failure	Check that the air inlet or outlet is not blocked.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1513	POWER SUPPLY OVERHEAT(SERVO)			The temperature rises in the controller	Turn the power OFF then back ON after cooling the controller.
				Connection failure	Check the power supply cable of the cooling fan in the CPS power unit.
				Circuit board failure (YPU unit)	Replace the CPS power unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1514	OVERHEAT (AMPLIFIER)			The temperature rises in the amplifier	Turn the power OFF then back ON after cooling the amplifier.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • Amplifier-CN581 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1515	SON_OUT RELAY STICKING (SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1516	BRRCER RELAY STICKING (SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1547	CURRENT FEEDBACK ERROR		The data [XXX__] indicates the alarm contents. 200:The motor current value is abnormal. The data [_____Y] indicates the physical axis number.	Ground fault	Check if a ground fault has not occurred in the U-, V-, and W-phase of motor power line, or short circuit has not occurred between these phases.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN501 to 506,-CN521 • EAXB21-CN531,532,533 • YSF22-CN217 • Amplifier-CN581 • Converter-CN552A • EX1SV(External axis servo pack)-CN591,595
				Module failure (amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board and EAXB board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1592	MONITOR PLD ERROR 1(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1593	MONITOR PLD ERROR 2(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1594	MONITOR PLD ERROR 3(SERVO I/O)			Circuit board failure (YPU unit)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1610	F-SAFE CPU SYNCHRO ERROR			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1612	F-SAFE COMMUNICATION ERROR	0	Communication status error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	Watchdog timer error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	JL0101 alarm	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Communication status error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Data consistency error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	CRC error	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN515 • YIF01-CN113 • YSF25-CNBX
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	CRC error	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
			CRC error	other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7		YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1613	F-SAFE ENCODER COMM. ERR 1		Sub Code: Signifies the axis in which the alarm occurred	Blown fuse	If AL1962 "EAXA21 board failure" occurred simultaneously with this alarm, Replace the fuse(F1) in the EAXA21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 • YSF25-CNBX [External axis] • Cable between encoders • EAXB21-CN534,535,536,540,541,542 • YSF25-CNBX
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1614	F-SAFE ENCODER COMM. ERR 2		Sub Code: Signifies the axis in which the alarm occurred	Blown fuse	If AL1962 "EAXA21 board failure" occurred simultaneously with this alarm, Replace the fuse(F1) in the EAXA21 board.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 • YSF25-CNBX [External axis] • Cable between encoders • EAXB21-CN534,535,536,540,541,542 • YSF25-CNBX
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1615	F-SAFE SYSTEM ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1616	F-SAFE SYSTEM ERROR 1			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1618	F-SAFE ARITHMETIC ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1619	F-SAFE PARAMETER ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1622	F-SAFE DEFECTIVE ENCODER		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 • YSF25-CNBX [External axis] • Cable between encoders • EAXB21-CN0534,535,536,540,541,542 • YSF25-CNBX

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1623	F-SAFE ENCODER CORR. NUM OVER		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 • YSF25-CNBX [External axis] • Cable between encoders • EAXB21-CN0534,535,536, 540,541,542 • YSF25-CNBX
				Module failure (encoder)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the encoder.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1626	F-SAFE BOARD NOT INSTALLED			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-YSF25
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1627	F-SAFE BOARD COMM ERROR(SERVO)			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-YSF25
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1630	F-SAFE MUTUAL DIAG. ERR(WDT)			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1631	F-SAFE MUTUAL DIAG. ERR (HW SET)			Setting error	Confirm that the rotary switch on the YSF25 [#1-8] board is set to [0-7].
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1632	F-SAFE MUTUAL DIAG. ERR (MONITOR)			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1635	F-SAFE LOW VOLTAGE	1	Low voltage error detected in the 1.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Low voltage error detected in the 1.5V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Low voltage error detected in the1.8V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Low voltage error detected in the 3.3V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Low voltage error detected in the 5.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Low voltage error detected in the 24.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1636	F-SAFE OVER VOLTAGE	1	Over voltage error detected in the 1.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Over voltage error detected in the 1.5V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Over voltage error detected in the 1.8V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Over voltage error detected in the 3.3V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Over voltage error detected in the 5.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Over voltage error detected in the 24.0V supply line.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1637	F-SAFE RAM DIAGNOSIS ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1638	F-SAFE ROM DIAGNOSIS ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1639	F-SAFE RAM AREA CONVERSION ERR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1640	F-SAFE REAL TIME MONITOR ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1642	F-SAFE WATCHDOG SIGNAL ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1643	F-SAFE SAFETY SIGNAL SET ERROR		Sub Code:Code [X _ _ _] indicates the abnormal content. 1000: Input/output signal number in conditionfile is abnormal. 2000: Functional safety general input signal that is not available is set in condition file. 3000: Functional safety general output signal that is not available is set in condition file. 4000: Safety fieldbus input signal that is not available is set in condition file. 5000: Safety fieldbus output signal that is not available is set in condition file. 6000: File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100: Axis range limit function 200: Axis speed monitor function 300: Speed limit function 400: Robot range limit function 500: Tool angle monitor function 600: Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the configuration of condition file abnormality occurs.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1645	F-SAFE CRC ERROR		Sub Code: Signifies the file kind in which the alarm occurred.	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1646	F-SAFE COMM.SETTING ERROR		Sub Code: The rotary switch number recorded in the YSF25 board is shown.	Setting error	(1)Select the following menu. • [File] - [Initialize], [Functional Safety Board FLASH Reset] in maintenance mode. (2)Turn the power OFF then back ON.
				Setting error	Confirm that the rotary switch on the YSF25[#1-8] board is set to [0-7].
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1649	MODE SIGNAL ERROR		Detect mode signal error	Connection failure	(1)Turn the power OFF then back ON. (2) If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Programming Pendant cable • X81 cable (Cable in the robot controller)
				Programming Pendant failure	Replace the Programming Pendant.
				Fuse failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the fuse of the YSF22 board and then turn the power ON again.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1650	FILE TRANSFER DATA ERROR (SV)	1	An error occurred when the last data was not received during the first data communication at execution of motion command.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the error occurs again, save the CMOS.BIN in maintenance mode, replace the following board. • EAXA21 board
				YCP21 board failure	(1)Turn the power OFF then back ON. If the error occurs again, save the CMOS.BIN in maintenance mode, and then replace the YCP21 board. In this case, use the original CF card of the YCP21 board.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the error occurs again, save the CMOS.BIN in maintenance mode, replace the YIF01 board. and then load the CMOS.BIN previously saved in maintenance mode.
		2	An error occurred when the first data was not received during on the way data communication at execution of motion command.	EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An error occurred when the first data was not received during the last data communication at execution of motion command.	EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1651	FILE TRANSFER DATA SIZE ERR (SV)	1	The data size for the file transfer does not agree with the received buffer size.	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		2	Buffer size over	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1652	DB ON ERROR (SERVO)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1653	BASE BLOCK SIGNAL ERROR(SERVO)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				Module failure (amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1654	PG POWER ON MULTIPLE REQ (SV)			Setting error	Check if the PICK instruction was executed again for the axis where executed the PICK instruction in the gun change system.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1655	CONVERTER COMMAND ERROR (SV)			Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1656	AXIS ENDLESS INFO NOT GENERATED(SV)			Setting error	Check the JOB. (1)Turn the power OFF then back ON. (2)If the error occurs again, contact your Yaskawa representative.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1657	AXIS ENDLESS SPECIFIC. ERR(SV)	1	The home position detecting function was used for the axis for which the axis endless function was enabled. The home position detecting function cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable either the axis endless function or the home position detection function of corresponding axis.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The servo float function was used for the axis for which the axis endless function was enabled. The servo float function cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable either the axis endless function or the servo float function of corresponding axis.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The encoders manufactured by Tamagawa Seiki Co., Ltd. was used for the axis for which the axis endless function was enabled. The encoders manufactured by Tamagawa Seiki Co., Ltd. cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable the corresponding axis endless function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The general servo function was used for the axis for which the axis endless function was enabled. The general servo function cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable the corresponding axis endless function.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1658	REDUCTION STOP SPECIFIC. ERR(SV)	1	The servo float function was used for the axis for which the deceleration stop function was enabled. The servo float function cannot be used for the axis which the deceleration stop function was enabled.	Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The specified axis speed control function was executed for the axis which the deceleration stop function was enabled. Specified axis speed control function cannot be used for the axis which the deceleration stop function was enabled.	Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1659	MOTOR GUN CHANGE PG PWR ON ERR(SV)			Setting error	Check if the PICK instruction was executed again for the axis where executed the PICK instruction in the gun change system.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1660	MOTOR GUN CHANGE SV ON ERR(SV)			Setting error	Check if the PICK instruction was executed again for the axis where executed the PICK instruction in the gun change system.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1661	MOTOR GUN COND. FILE NO. ERR(SV)			File setting error	Check the gun condition file.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1662	MOTOR GUN PRESS FILE NO. ERR(SV)			Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1663	WRONG MOTOR GUN PRESS AXIS (SV)			File setting error	Check the gun condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1664	MICRO PRG EXECUTE TIME OVER(SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1665	MICRO PROGRAM SYNC. ERROR (SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1666	FILE RECEIVE INCOMPLETE (SERVO)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1667	RESOLUTION CONVERSE CONST ERR(SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1668	CANNOT GENERATE GENERAL CMD (SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1669	GENERAL SERVO CMD CODE ERR (SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1670	GENERAL SERVO SETTING ERROR (SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1671	GENERAL SV ALARM CODE ERROR (SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1672	GRP CHANGE PG POWER ON ERR (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1673	GRP CHANGE SERVO ON ERROR (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1674	CTRL LAW SWITCHING ORDER ERR (SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1675	BASE BLOCK READ SIGNAL ERR (SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1676	BASE BLOCK WRITE SIGNAL ERR (SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1677	U.PROG. BB READ SIG INCONSIST(SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1678	MOTOR CMD POSITION ERROR (SV)		Sub Code: Signifies the axis in which the alarm occurred	EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1679	EXTERNAL BRAKE FUSE BROWN(SV)			Fuse failure	Replace the YBK21 fuse.
				YBK21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YBK21 board.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • YBK21-CN403,CN405 • YPS21-CN153(+24V3) • EAXA21-CN513

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1680	GENERAL I/O FUSE BROWN(SV)			EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1681	BRAKE POWER ERROR(SV)			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • YBK21-CN403 • YPS21-CN153(+24V3)
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • YFC22-CN219(81,82,92,93 : +24V2U3) • YFC22-CN219(83,84,94,95 : 024V2) • YIO-CN306,CN307,CN308,CN309
				YBK board failure	Check the power source of YBK21, and then if no fault is found, replace the brake unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1682	EXTERNAL BRAKE POWER ERROR(SV)			Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • YBK21-CN404 • The external axis brake power supply for brake unit
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • YFC22-CN219(81,82,92,93 : +24V2U3) • YFC22-CN219(83,84,94,95 : 024V2) • YIO-CN306,CN307,CN308,CN309

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YBK board failure	Check the external axis brake of YBK21 in the power source, and then if no fault is found, replace the brake unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1683	DC 24V POWER SUPPLY FAILURE(SV)			Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				YPS21 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following unit. • YPS21 unit
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1684	INSTANT POWER FAILURE(TRQ)(SV)		The instant power failure occurred and then the torque was saturated.	Voltage failure	Check if the primary power supply voltage is dropping.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1685	INSTANT POWER FAILURE(TIME)(SV)		The instant power failure occurred for longer than the certain time period.	Voltage failure	Check if the primary power supply voltage is dropping.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1686	POS.DEVITATION SATURATING ERR(SV)			Setting error	Check the settings for manipulator motion condition (influence by external force, load condition).
				Connection failure	Check if a ground fault has not occurred in the U-, V-, and W-phase of motor power line, or short circuit has not occurred between these phases.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN501 to 506 • EAXB21-CN531,532,533 • Amplifier-CN581 • EX1SV(External axis servo pack)-CN591,595

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Module failure (amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1687	COORDINATED STOP FUNC. DISABLE			Setting error	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1688	MEMORY DATA FILE STORAGE ERROR	1	Storage file number is inconsistent	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Start index is inconsistent	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1690	PCI BOARD NOT DETECTED			AD board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1691	FORCE SENSOR BOARD UNMOUNTED			Force sensor board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1692	PG POWER FUSE BLOWN(SV)			Fuse failure	Replace the EAXA21 board fuse(F1).
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1693	UNDEFINED MOTOR GUN ARM CONTROL		Sub Code: Signifies the control group in which the alarm occurred	Setting error	The spot high speed function is enabled despite the invalid status of GUN ARM CONTROL function. Please complete the setting of GUN ARM CONTROL as the following operations. 1. start the system in maintenance mode. 2. change the security to management mode. 3. select [SYSTEM] ->[SETUP] ->[OPTION FUNCTION] ->[GUN ARM CONTROL]. 4. change the mode to PLAYBACK, then push [EXECUTE]. 5. set the [INERTIA] and [FREQ]. 6. select [ENABLE], after the setting the [INERTIA] and [FREQ].
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1694	GROUND FAULT(BRAKE LINE)		Sub Code: Signifies the axis in which the alarm occurred	Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1695	DC 24V POWER SUPPLY FAILURE(SV)			YPS21 unit failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following unit. • YPS21 unit
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1860	M-SAFETY COMMUNICATE ERROR	0	There was no response from Machine-Safety(YSF21) board within the time limit.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The reset of Machine-Safety alarm was not properly completed.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Calculation results do not match the receive data.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1861	M-SAF SYSTEM ERROR		Sub code indicates where the error occurred.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1862	M-SAF VERSION UP ERROR		An error is detected in the update process of Machine-Safety software.	Hardware failure	Please try the software update again.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1863	M-SAF SETUP ERROR	1	The parameter setting is incorrect.	Setting error	Please re-configure the setting of the control group in maintenance mode.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Parameter setting does not match the number of YSF22 boards.	Setting error	In maintenance mode, check that the control group setting is appropriate for the system.
				YSF22 board failure	Check the rotary switch setting of YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The parameter setting is incorrect.	Setting error	In the control group setting window of maintenance mode, check that the following items are appropriate for the system configuration. (1)In case of STO connection: -Servo board which connects to each control group -The number of axis which connects to connector of each servo board -Contactor unit which connects the brake -Converter which connects the axis -ON_ENABLE signal which connects to each control group -The setting of overrun signal (2)In case of Contactor connection: -Servo board which connects to each control group. -The number of axis which connects to connector of each servo board -Axis number to be connected to the connector of the servo board -Converter which connects the axis -Contactor unit which connects the brake -The setting of overrun signal
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The CRC data which calculated do not accord with CRC data saved away by Flash Rom.	Setting error	If the alarm occurs again, Select the following menu. • Start up maintenance mode. • Change to the safety mode security. • Select {Machine Safety Board FLASH Reset} by going to {INITIALIZE} from {FILE} in the main menu. • Turn the power OFF then back ON.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		11	The CRC data which calculated do not accord with CRC data saved in a parameter.	Setting error	If the alarm occurs again, Select the following menu. • Start up maintenance mode. • Change to the safety mode security. • Select {Machine Safety Board FLASH Reset} by going to {INITIALIZE} from {FILE} in the main menu. • Turn the power OFF then back ON.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1864	M-SAF CPU BOARD COMM ERRO	1	There was no response from YCP21 board within the time limit.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Calculation results do not match the receive data.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Calculation results do not match the receive data on a logical circuit.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Here was no response from YCP21 board within the time limit.	Connection failure	Check the connection and insertion of the following boards. • YCP21 board • YIF01 board • YSF21 board
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. After replacing the board, remove the CF card that has been inserted into the YCP21to be removed, insert it the new YCP21.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1865	M-SAF I/O BOARD COMM ERROR	101	CPU1 of YSF21 board did not detect a response from YSF22 board within a time limit.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF22 board setting failure	Check the rotary switch setting of YSF22 board.
				Fuse failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the fuse of the YSF22 board and then turn the power ON again.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	CPU1 of YSF21 board detected an error of communication ASIC.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		103	CPU1 of YSF21 board was not able to detect connection with YSF22 board in start up process.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board.
				YSF22 board setting failure	Check the rotary switch setting value of YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	CPU1 of YSF21 board detected connection with CH2 of YSF22 board in start up process.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	CPU1 of YSF21 board did not detect a response from YSF22 board within a time limit.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the touch of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		112	CPU1 of YSF21 detected bit failure in a communication IC with the I/O board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		113	CPU1 of YSF21 detected status failure in a communication IC with the I/O board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		201	CPU2 of YSF21 board did not detect a response from YSF22 board within a time limit.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF22 board setting error	Check the rotary switch setting of YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		202	CPU2 of YSF21 board detected an error of communication ASIC.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		203	CPU2 of YSF21 board was not able to detect connection with YSF22 board in start up process.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		204	CPU2 of YSF21 board detected connection with CH1 of YSF22 board in start up process.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		205	CPU2 of YSF21 board did not detect a response from YSF22 board within a time limit.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		212	CPU2 of YSF21 detected bit failure in a communication IC with the I/O board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		213	CPU2 of YSF21 detected bit failure in a communication IC with the I/O board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1866	M-SAF F-SAFETY COMM ERROR	1	Function Safety did not come by an online mode.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF25 board setting error	Check the rotary switch setting of YSF25 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Machine Safety received an offline command.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	There was no response from Function Safety with in the time limit.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Machine Safety was not able to detect the first of the sequential number.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Machine Safety detected CRC error.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Machine Safety detected sequential number error.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Machine Safety was not able to connect with Function Safety in start up process.	Connection failure	Check the connection of the MII cable between YSF21 board and YSF22 board. And check if a terminator is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Here was no response from Function Safety board within the time limit.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. • Check the connection of the MII cable between YSF21 board(CN203) and YSF25 board(CN250/CN251). And check if a terminator(CN250/CN251) is connected. • Check the connection of a cable between YPS unit(CN155) and EAXA21 board(CN509).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Here was no response from (Function Safety board within the time limit.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. • Check the connection of the MII cable between YSF21 board(CN203) and YSF25 board(CN250/CN251). And check if a terminator(CN250/CN251) is connected. • Check the connection of a cable between YPS unit(CN155) and EAXA21 board(CN509).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Detected rotary switch failure of Function Safety.	YSF25 board setting failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the following settings. • Check the rotary switch of YSF25 board.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. • Check the connection of the MII cable between YSF21 board(CN203) and YSF25 board(CN250/CN251). And check if a terminator(CN250/CN251) is connected.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		12	YSF21 detected bit failure in a communication IC with Function Safety board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	YSF21 detected bit failure in a communication IC with Function Safety board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following boards. Check the connection of the MII cable between YSF21 board(CN203) and YSF22 board(CN250/CN251).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1867	M-SAF ROM DIAG. ERROR	0	An error is detected in the ROM diagnosis function of Machine Safety.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	ROM diagnosis function of Machine Safety detected Flash ROM failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		2	ROM diagnosis function of Machine Safety detected RAM area failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1868	M-SAF RAM DIAG. ERROR	0	Machine Safety software detected failure with RAM diagnosis function of Machine Safety in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	RAM diagnosis function of Machine Safety detected a failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Dual Port RAM diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Dual Port RAM diagnosis function of Machine Safety detected a failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1000	RAM diagnosis function detected a failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		20xx	RAM diagnosis function detected a failure. xx indicates where Machine Safety software detected an alarm.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21xx	RAM diagnosis function detected a failure. xx indicates where Machine Safety software detected an alarm.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1869	M-SAF STACK DIAG. ERROR	0	An error is detected in the stack diagnosis function of Machine Safety.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
		1	Stack diagnosis function of Machine Safety detected a failure.	Stack diagnosis function of Machine Safety detected a failure.	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Stack diagnosis function of Machine Safety detected a failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Stack diagnosis function of Machine Safety detected a failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1000	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1001	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1002	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1003	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1004	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1005	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1006	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1007	Stack diagnosis function of Machine Safety detected a failure in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1870	M-SAF REGISTER DIAG. ERROR	1000	An error is detected in the register diagnosis function of Machine Safety.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1871	M-SAF SEQUENCE WATCH ERROR	101	CPU1 of YSF21 board detected an interruption monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		106	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		107	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		108	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		109	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		110	CPU1 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		111	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		112	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		113	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		114	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		115	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		116	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		117	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		118	CPU1 of YSF21 board detected a processing time monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		202	CPU2 of YSF21 board detected an interruption monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		203	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		204	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		205	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		206	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		207	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		208	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		209	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		210	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		211	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	
		212	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		213	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		214	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		215	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		216	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		217	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		218	CPU2 of YSF21 board detected an sequence monitoring failure.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1872	M-SAF WATCHDOG ERROR	101	CPU1of YSF21 detected an error in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	CPU1of YSF21 detected an error of itself.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	CPU1of YSF21 detected an error of CPU2.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	CPU1of YSF21 detected an error of CPU2 in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		201	CPU2of YSF21 detected an error in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		202	CPU2of YSF21 detected an error of CPU1.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		203	CPU2of YSF21 detected an error of CPU1.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		204	CPU2of YSF21 detected an error of CPU1 in start up process.	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1873	M-SAF OFFLINE MODE SETUP ERROR			Setting error	Please re-configure the setting of the control group in maintenance mode.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1874	M-SAF VOLTAGE WATCH ERROR		The CPU1 of YSF21 board has detected an illegal voltage of the CPU2. The number indicates as CPU which detected error, surveillance voltage, and 0001 or 0002 value. 0001:Over voltage 0002:Low voltage	YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. (3)If the alarm 1860 occurs, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1875	M-SAF I/O BOARD VOLTAGE ERROR		subcode: CPU1 1:CPU1 detected a 5V low voltage CPU1 2:CPU1 detected a 5V high voltage CPU1 3:CPU1 detected a 24V low voltage CPU1 4:CPU1 detected a 24V high voltage CPU1 5:CPU1 detected a voltage error in 24V power of the board. CPU2 1:CPU2 detected a 5V low voltage CPU2 2:CPU2 detected a 5V high voltage CPU2 3:CPU2 detected a 24V low voltage CPU2 4:CPU2 detected a 24V high voltage CPU2 5:CPU2 detected a voltage error in 24V power of the board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1876	M-SAF I/O BOARD WATCHDOG ERROR	101	An error of YSF22 board was detected in startup process by CPU1 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	An error in channel 1 of YSF22 board was detected by CPU1 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	An error in channel 2 of YSF22 board was detected by CPU1 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		201	An error of YSF22 board was detected in startup process by CPU2 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		202	An error in channel 1 of YSF22 board was detected by CPU2 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		203	An error in channel 2 of YSF22 board was detected by CPU2 of YSF21 board.	YSF22 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1877	F-SAF I/O BOARD NOT INSTALLED			YSF24 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF22 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1887	F-SAFE RAM DIAG. ERROR(RD ADDR)			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1888	F-SAFE RAM DIAG. ERROR(WT ADDR)			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1889	F-SAFE OPCODE DIAG. ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1890	F-SAFE M-SAFETY COMM ERROR	1	Machine safety did not come by an online mode.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				Setting error	Confirm that the rotary switch on the YSF25[#1-8] board is set to [0-7].
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Functional safety received an offline command.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	There was no response from machine safety board with in the time limit.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		4	Functional safety board was not able to detect the first of the sequential number.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Functional safety board detected CRC error.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Functional safety board detected sequential number error.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Interrupt signal does not occur from the machine safety board.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Communication data error of Machine Safety was detected. (Running number over)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station)
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Communication data error of Machine Safety was detected. (Running number don't change)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station)
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Communication data of CPU1 and CPU2 is mismatch.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
		11	Allocation requests of safety field bus signal is abnormal.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The error of JL098 communication data was detected.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • CN203 cable of YSF21board. • CN250/251 cable of YSF25 board. • Terminator is inserted in the CN250 of YSF25 board (last station)
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1891	F-SAFE OUTPUT SIGNAL UNMATCH			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
1892	F-SAFE COND FILE SETTING ERR		Sub Code: Indicates the type of condition file abnormality occurs. 0:Axis range limit function 1:Axis speed monitor function 2:Speed limit function 3:Robot range limit function 4:Tool angle monitor function 5:Tool change monitor function	Setting error	Check condition file that is indicated in the sub code is set correctly.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1894	F-SAFE STACK DIAG. ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1895	F-SAFE REGISTER DIAG. ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1896	F-SAFE SEQUENCE WATCH ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1897	F-SAFE WATCHDOG ERROR			YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	Alarm Name	Sub Code	Meaning	Cause	Remedy
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1898	F-SAFE ENCODER SELECT ERROR		Sub Code: Signifies the axis in which the alarm occurred	YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
1899	F-SAFE MONITOR EXECUTE TIME OVER			Setting error	(1)Reduce the condition file.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm List

Alarm Number (4000 to 4999)

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4000	MEMORY ERROR (TOOL FILE)		Sub Code: Tool number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the tool file in maintenance mode, and then load the tool file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4001	MEMORY ERROR (USER COORD FILE)		Sub Code: User coordinate number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the user coordinates file in maintenance mode, and then load the user coordinates file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4002	MEMORY ERROR (SV MON SIGNAL FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the servo monitor signal file in maintenance mode, and then load the servo monitor signal file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4003	MEMORY ERROR (WEAVING FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the weaving condition file in maintenance mode, and then load the weaving condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4004	MEMORY ERROR (HOME POS FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the home positioning file in maintenance mode, and then load the home positioning file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4005	MEMORY ERROR (SECOND HOME POS)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the second home positioning file in maintenance mode, and then load the second home positioning file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4006	MEMORY ERROR (POWER SOURCE COND)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the arc welding Power Source condition file in maintenance mode, and then load the arc welding Power Source condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4007	MEMORY ERR (ARC START COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the arc start condition file in maintenance mode, and then load the arc start condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4008	MEMORY ERROR (ARC END COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the arc end condition file in maintenance mode, and then load the arc end condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4009	MEMORY ERROR (ARC AUX COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the arc auxiliary condition file in maintenance mode, and then load the arc auxiliary condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4010	MEMORY ERROR (COM-ARC COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the COM-ARC condition file in maintenance mode, and then load the COM-ARC condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4012	MEMORY ERROR (LINK SERVOFLOAT)		Sub Code: Condition file number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the link servo float condition file in maintenance mode, and then load the link servo float condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4013	MEMORY ERROR (LINEAR SERVOFLOAT)		Sub Code: Condition file number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the linear servo float condition file in maintenance mode, and then load the linear servo float condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4014	MEMORY ERROR (ROBOT CALIB FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the file for calibration between manipulators in maintenance mode, and then load the file for calibration between manipulators saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4017	MEMORY ERROR (POWER SRC USER-DEF)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the Power Source user definition file in maintenance mode, and then load the Power Source user definition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4018	MEMORY ERR (LADDER PRG FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the ladder program file in maintenance mode, and then load the ladder program file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4019	MEMORY ERROR (CUTTING COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the cutting condition file in maintenance mode, and then load the cutting condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4020	MEMORY ERROR (OPERATION ORIGIN)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the work home position file in maintenance mode, and then load the work home position file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4021	MEMORY ERROR (CONVEYOR COND FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the conveyor condition file in maintenance mode, and then load the conveyor condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4022	MEMORY ERROR (PAINT SPECIAL FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the paint special file in maintenance mode, and then load the paint special file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4023	MEMORY ERROR (PAINT COND FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the paint condition file in maintenance mode, and then load the paint condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4024	MEMORY ERR (WRIST WEAV AMP FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the wrist weaving amplitude file in maintenance mode, and then load the wrist weaving amplitude file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4025	MEMORY ERROR (INTERRUPT JOB FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the interrupt job file in maintenance mode, and then load the interrupt job file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4028	MEMORY ERR (SENSOR MON COND FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the sensor monitoring condition file in maintenance mode, and then load the sensor monitoring condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4030	MEMORY ERR (PRESS COND DATA FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the press condition file in maintenance mode, and then load the press condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4031	MEMORY ERROR (SPOT GUN COND FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the gun condition file in maintenance mode, and then load the gun condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4032	MEMORY ERROR (SPOT WELDER COND)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the spot welding gun condition file in maintenance mode, and then load the spot welding gun condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4033	MEMORY ERROR (GUN PRESSURE FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the gun pressure file in maintenance mode, and then load the gun pressure file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4034	MEMORY ERR (ANTICIPATION OT FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the anticipation output (OT) file in maintenance mode, and then load the anticipation output (OT) file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4035	MEMORY ERR (ANTICIPATION OG FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the anticipation output (OG) file in maintenance mode, and then load the anticipation output (OG) file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4036	MEMORY ERROR (WEARING FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the wear amount file in maintenance mode, and then load the wear amount file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4037	MEMORY ERROR (STROKE POSITION)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the FULL/SHORT OPEN position setting file in maintenance mode, and then load the FULL/SHORT OPEN position setting file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4038	MEMORY ERROR (PRESSURE FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the dry-spotting pressure file in maintenance mode, and then load the dry-spotting pressure file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4039	MEMORY ERROR (FORM CUT FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the form cut file in maintenance mode, and then load the form cut file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4040	MEMORY ERROR (SHOCK LEVEL FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the shock level file in maintenance mode, and then load the shock level file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4041	MEMORY ERROR (SPOT IO ALLOCTE FL)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the spot I/O allocation file in maintenance mode, and then load the spot I/O allocation file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4042	MEMORY ERROR (VISION FILE)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the vision condition file in maintenance mode, and then load the vision condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4043	MEMORY ERROR (VISION CALIBRATION)		Sub Code: Page number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the vision calibration file in maintenance mode, and then load the vision calibration file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4044	MEMORY ERROR (WELD PULSE COND)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the welding pulse condition file in maintenance mode, and then load the welding pulse condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4045	MEMORY ERROR (WELD PULSE SELECT)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the welding pulse selection file in maintenance mode, and then load the welding pulse selection file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4046	MEMORY ERR (CONVEYOR CALIB FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the conveyor calibration file in maintenance mode, and then load the conveyor calibration file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4047	MEMORY ERROR (MACRO DEFINITION FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the macro definition file in maintenance mode, and then load the macro definition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4048	MEMORY ERROR (SERVO S-GUN FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the sealer gun characteristics file in maintenance mode, and then load the sealer gun characteristics file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4049	MEMORY ERROR (PASTE QUAN.COMP FL)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the painting amount correction file in maintenance mode, and then load the painting amount correction file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4050	MEMORY ERR (AXIS I/O ALLOC FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the axis motion I/O allocation file in maintenance mode, and then load the axis motion I/O allocation file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4051	MEMORY ERR (GUN COND. AUX. FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the gun characteristics auxiliary file in maintenance mode, and then load the gun characteristics auxiliary file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4052	MEMORY ERROR (TOOL INTERFERENCE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the tool interference file in maintenance mode, and then load the tool interference file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4053	MEMORY ERROR (PAINT SYS CONFIG.)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the painting system setting file in maintenance mode, and then load the painting system setting file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4054	MEMORY ERROR (PAINTING SPECIAL)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the painting device characteristics file in maintenance mode, and then load the painting device characteristics file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4055	MEMORY ERROR (CCV-PAINT TABLE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the painting CCV file in maintenance mode, and then load the painting CCV file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4056	MEMORY ERROR (PLUG VOLUME FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the painting filling file in maintenance mode, and then load the painting filling file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4057	MEMORY ERROR (EVB GUN COND)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the EVB gun condition file in maintenance mode, and then load the EVB gun condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4058	MEMORY ERROR (EVB TURBIN COND)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the EVB turbine condition file in maintenance mode, and then load the EVB turbine condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4059	MEMORY ERROR (EVB PAINT COND)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the EVB paint condition file in maintenance mode, and then load the EVB paint condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4060	MEMORY ERROR (CLEARANCE FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the clearance file in maintenance mode, and then load the clearance file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4061	MEMORY ERROR (GAUGE SENSOR FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the gauging sensor condition file in maintenance mode, and then load the gauging sensor condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4062	MEMORY ERROR (LNR SCALE FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the linear scale condition file in maintenance mode, and then load the linear scale condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4063	MEMORY ERR (CONVEYOR COND SUPP.)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the conveyor condition auxiliary file in maintenance mode, and then load the conveyor condition auxiliary file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4064	MEMORY ERR (WEAV SYNC WELD FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the weaving synchronizing welding condition file in maintenance mode, and then load the weaving synchronizing welding condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4065	MEMORY ERROR (I/F PANEL FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the I/F panel file in maintenance mode, and then load the I/F panel file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4069	MEMORY ERR (PALLETIZE COND FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the palletize condition file in maintenance mode, and then load the palletize condition file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4070	MEMORY ERROR (LASER TRACKING START FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the laser tracking welding start file in maintenance mode, and then load the laser tracking welding start file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4071	MEMORY ERROR (LASER TRACKING END FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the laser tracking welding end file in maintenance mode, and then load the laser tracking welding end file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4072	MEMORY ERROR (LASER TRACKING TRACK START FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the laser tracking track start file in maintenance mode, and then load the laser tracking track start file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4073	MEMORY ERROR (LASER TRACKING SET FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the laser tracking welding set file in maintenance mode, and then load the laser tracking welding set file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4074	MEMORY ERROR (LASER TRACKING TRACK SET FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the laser tracking track set file in maintenance mode, and then load the laser tracking track set file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4075	MEMORY ERROR (CONDITION FILE OF CORRESPONDING TO LASER TRACKING GAP)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the condition file of corresponding to laser tracking gap in maintenance mode, and then load the condition file of corresponding to laser tracking gap saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4080	MEMORY ERR (MUTUAL WAIT SET FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the mutual wait set file in maintenance mode, and then load the mutual wait set file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4081	MEMORY ERR (INTERF. PREDICT FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the mutual wait set file in maintenance mode, and then load the interference predict file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4082	INTERF. PREDICT DETECT			Operation mistake or teaching mistake	(1)Reset the alarm. (2)Pull the manipulators away each other. (3)If this alarm occurred during test run or playback operation, change the teaching points.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4083	INTERF. PREDICT COMM ERROR	3	SubCode 0000_0000_0000_0010:DX200 received an error response from the interference predict server. 0001_0000_0000_0001:No response for the interference check start request was returned from the interference predict server. 0001_0000_0000_0010:No response for the current position acquisition request was returned from the interference predict server. 0001_0000_0000_0011:DX200 received an error response for the interference check start request from the interference predict server.	Connection failure	(1)Reset the alarm. (2)Check the connection between interference predict server and DX200.
				Setting error	(1)Reset the alarm. (2)Check each network setting for the robot controller and the interference predict server.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4084	ROBOT SYNC. ERROR		SubCode 0000_0000_0000_0001:No response was returned from the mutual wait target. 0000_0000_0000_0010:An error occurred in the communication with the mutual wait target during the execution of FN591. 0000_0000_0000_0011:An error occurred in the communication with the mutual wait target during the execution of FN591. 0000_0000_0000_0100:FN591 execution cancel was received even though FN591 execution notice hadn't been received from the mutual wait target. 0000_0000_0000_0101:FN591 execution cancel error from the mutual wait target was received. 0000_0000_0001_0000:The mutual wait manipulator No. of the FN591 is abnormal. 0000_0000_0010_0000:FN591 was doubly executed. 0000_0000_0011_0000:FN591 execution notice from the mutual wait target was received doubly.	Connection failure	SubCode 0000_0000_0000_0001 0000_0000_0000_0010 0000_0000_0000_0011 0000_0000_0000_0100 0000_0000_0000_0101 0000_0000_0011_0000 0000_0000_0100_0000 (1)Reset the alarm. (2)Check the communication connection with the mutual wait target.
4084	ROBOT SYNC. ERROR		0000_0000_0100_0000:FN591 execution notice error from the mutual wait target was received.	Connection failure	SubCode 0000_0000_0000_0001 0000_0000_0000_0010 0000_0000_0000_0011 0000_0000_0000_0100 0000_0000_0000_0101 0000_0000_0011_0000 0000_0000_0100_0000 (1)Reset the alarm. (2)Check the communication connection with the mutual wait target.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				HUB failure	SubCode 0000_0000_0000_0001 0000_0000_0000_0010 0000_0000_0000_0011 0000_0000_0000_0100 0000_0000_0000_0101 0000_0000_0011_0000 0000_0000_0100_0000 (1)Reset the alarm. (2)Check the communication connection with the mutual wait target.
				Setting error	SubCode 0000_0000_0000_0001 (1)Reset the alarm. (2)Check the contents of the mutual wait setting file. (3)Check the network setting of the mutual wait target.
				Operation mistake	SubCode 0000_0000_0000_0100 0000_0000_0000_0101 (1)Reset the alarm. (2)Check if FN591execution is aborted when FN591 execution has been mutually established. In this case, this alarm may occur due to communication time lag.
				Setting error	SubCode 0000_0000_0001_0000 (1)Reset the alarm. (2)Check the mutual wait manipulator No. of the FN591.
				Software operation error occurred	SubCode 0000_0000_0010_0000 0000_0000_0011_0000 0000_0000_0100_0000 (1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4085	MEMORY ERR (INTERF. HISTORY FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the mutual wait set file in maintenance mode, and then load the interference history file saved in the external memory device.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
4086	MEMORY ERROR (YSF SET FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the ysf set file in maintenance mode, and then load the ysf set file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4087	MEMORY ERROR (YSF TMR FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the ysf timer file in maintenance mode, and then load the ysf timer file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4088	MEMORY ERROR (YSF LOGIC FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4099	DC 24V POWER SUPPLY FAILURE (YPS)			YPS21 unit failure	(1)Reset the alarm. (2)If the alarm occurs again, turn the power OFF then back ON. (3)If the alarm occurs again, replace the following unit. • YPS21 unit
				Short circuit or ground fault	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • YFC22-CN219(81,82,92,93 : +24V2U3) • YFC22-CN219(83,84,94,95 : 024V2) • YIO-CN306,CN307,CN308,CN309
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4102	SYSTEM DATA HAS BEEN CHANGED			System data changed	(1)Reset the alarm. (2)Turn the power OFF then back ON before turning ON the servo power supply.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4103	PARALLEL START INSTRUCTION ERROR	1	Sub task being executed: Although a job is being executed by instructed sub task, an attempt was made to execute another job by the sub task.	Setting error	(1)Reset the alarm. (2)Check if other JOB has been already executed in the same task which is used in the PSTART. If same task need to be executed in series, add PWAIT to confirm if the previous task end.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Group axis being used: The job operated by another sub task uses the same group axis.	Setting error	(1)Reset the alarm. (2)Check if the control group of the JOB which is used in the PSTART has been already executed in other task. If the same group need to be executed in series, add PWAIT to confirm if the other task end.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Multiple start of same job: The job that was tried to be started was executed by another sub task.	Setting error	(1)Reset the alarm. (2)Check if the JOB which is used in the PSTART has been already executed in other task. If the same job need to be executed in series, add PWAIT to confirm if the other task end.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Unregistered master job: Although the master job was not registered, an attempt was made to execute PSTART SUB (job name omitted).	Setting error	(1)Reset the alarm. (2)Check the following settings. • The master job of the subtask is registered
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Synchronization instruction error: When restarted by PSTART, synchronization instruction status of the sub task under interruption was different from the status to restart.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The job to be started • The execution timing for start command

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Stopped by an alarm: An attempt was made to start the sub task which is stopped by an alarm.	Setting error	(1)Check the following settings. • Alarm occurrence status
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Synchronization task specification of SYNC instruction omit error	Setting error	(1)Reset the alarm. (2)Check the following setting. • Synchronization task specification of SYNC instruction
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The task is specified by synchronization task of SYNC instruction.	Setting error	(1)Reset the alarm. (2)Check the following setting. • Synchronization task specification of SYNC instruction It is not possible to set the same task to the SYNC as the sub task of PSTART instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	I/O jog being executed	Setting error	(1)Reset the alarm. (2)Check the following setting. • I/O jog executing status Complete the I/O jog execution, and then restart.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Separate group axis being used	Setting error	(1)Reset the alarm. (2)Check the following setting. • I/O jog executing status Complete the I/O jog executing status, and then restart.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The servo power supply is OFF.	Setting error	(1)Reset the alarm. (2)Check the following setting. • Servo power Turn ON servo power.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Twin synchronous task ID error	Setting error	(1)Reset the alarm. (2)Check the following setting. • Twin synchronous task specification of SYNC instruction
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	PSTART instruction is the old specification.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The specifications of PSTART instruction Register the PSTART instruction as new specification.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	PWAIT instruction is the old specification.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The specifications of PWAIT instruction Register the PWAIT instruction as new specification.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	Sub task to be set PSTART has been already executed.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The subtask is completed by the PWAIT instruction. • The execution timing for start command
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4104	WRONG EXECUTION OF LOAD INST		Sub Code1 to 245: Signifies the data transmission error.	Setting error	* Refer to the instruction manual for Data Transmission Function for details.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4105	WRONG EXECUTION OF SAVE INST		Sub Code1 to 245: Signifies the data transmission error.	Setting error	* Refer to the instruction manual for Data Transmission Function for details.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4106	WRONG EXECUTION OF DELETE INST		Sub Code1 to 245: Signifies the data transmission error.	Setting error	* Refer to the instruction manual for Data Transmission Function for details.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4107	OUT OF RANGE (ABSO DATA)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Reset the alarm. (2)Check the following settings. • Move the manipulator or station to the zero position by the axis operation and check the home position alignment marks (the arrow).
				Blown fuse	If AL1962 "EAXA21 board failure" occurred simultaneously with this alarm, Replace the fuse(F1) in the EAXA21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4109	DC 24V POWER SUPPLY FAILURE (I/O)		0000_0000_0000_0001: Detector circuit error. 0000_0000_0000_0010: Fuse blown (YIO board) 0000_0000_0000_0011: External 24V power supply error.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion and connection of the followings. • CN303 of YIO board • Fuse (blown) of YIO board • The communications cable for the I/O module
				Voltage error	(1)Reset the alarm. (2)If the alarm occurs again, Check the 24V external power supply. If abnormal, replace the 24V external power supply.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIO board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIO board. Save the CMOS.BIN before replacing the board to be safe.
				Short circuit or ground fault	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • YFC22-CN219(81,82,92,93 : +24V2U3) • YFC22-CN219(83,84,94,95 : 024V2) • YIO-CN306,CN307,CN308,CN309
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4110	SHOCK SENSOR ACTION			Shock sensor activated	Shock sensor is activated. Select "OVERRUN&SHOCK SENSOR" under sub menu "ROBOT" to reset the sensor. After that, perform avoidance movement by jog operation.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the fuse of YSF22 board and then turn the power ON again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22 board-CN216, CN218 • EAXA21 board CN512
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4112	DATA SENDING ERROR	1	Retry over of NAK	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Retry over for timeout in timer A	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Retry over for mutual response error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4113	DATA RECEIVING ERROR	1	Reception timeout (timer A)	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Reception timeout (timer B)	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Heading length is too short.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. (3)Check that the communication setting is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Heading length is too long.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. (3)Check that the communication setting is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The header No. error	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. (3)Check that the communication setting is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The text length exceeded 256 characters.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. (3)Check that the communication setting is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Illegal data received	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. (3)Check that the communication setting is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4114	TRANSMISSION HARDWARE ERROR	1	Overrun error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Parity error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Framing error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Transmission timeout (timer A)	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Transmission timeout (timer B)	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4115	TRANSMISSION SYSTEM BLOCK	1	Received EOT while waiting ACK.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Received EOT while waiting ENQ.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Received EOT before last block reception.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Received codes other than EOT after last block reception.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4116	TRANSMISSION SYSTEM ERROR	1	Transmission data contents error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	Trans error or protocol error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4117	BRAKE POWER ERROR	1	The EAXA21 / EAXB21 board # 1generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The EAXA21 / EAXB21 board # 6generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The EAXA21 / EAXB21 board # 7generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection and then replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4118	FAN CIRCUIT PROTECTOR TRIPPED	1	The EAXA21 / EAXB21 board # 1generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The EAXA21 / EAXB21 board # 6 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	The EAXA21 / EAXB21 board # 7 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8 generates an alarm.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
				Cooling fan failure	(1)Reset the alarm. (2)Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4119	FAN ERROR (IN CONTROL BOX)		Sub Code 1 to 4: Signifies the YSF21 board No. in which the alarm occurred	Cooling fan failure	Replace the YPS21 unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4121	COOLING FAN1 ERROR		Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Cooling fan failure	(1)Reset the alarm. (2)Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4122	COOLING FAN2 ERROR		Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Cooling fan failure	(1)Reset the alarm. (2)Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4123	COOLING FAN3 ERROR		Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Cooling fan failure	Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4124	WRONG EXECUTION OF VISION INST	1	The specified file number is incorrect.	Setting error	(1)Reset the alarm. (2)Check the following settings. • File No. Specify the correct file number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The specified file set value is incorrect.	Setting error	(1)Check the following settings. • File set value Specify the set value.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Calibration could not be executed.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The robot coordinate data or the pixel coordinate data used for the calibration • The user variable number in the calibration file Set the robot coordinate data and the pixel coordinate data used for the calibration to the user variable. Correctly set the user variable number in the calibration file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The communication port for the vision system could not be initialized.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The Parameter for vision communication port. (3)Set the correct parameters for the communication port.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Time-out occurred during data transmission.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The communication setting of vision system
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the following cables. • Cable between vision system and DX200 system
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Time-out occurred during data reception.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The communication setting of vision system
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the following cables. • Cable between vision system and DX200 system
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	The data received from the vision system is incorrect.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The communication setting of vision system • The detection setting of vision system
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the following cables. • Cable between vision system and DX200 system
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The pixel coordinates value was not able to be converted into the robot coordinates.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The communication setting of vision system • Calibration file for use
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Failed to read or write the position type variable (P variable).	Setting error	(1)Reset the alarm. (2)Check the following settings. • Usage status of the specified position type variable Don't use the specified positional type variable at the same time in other jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Use memory is lacking and the area could not be obtained.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The setting value of measurement item (FT) is incorrect.	Setting error	(1)Reset the alarm. (2)Correct the setting value of a measurement item.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The data for the vision execution command is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		48	The number of waiting commands sent by Vision sensor exceeded the limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)Check the command sent by Vision sensor (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4125	TRANS ERROR (WELD PULSE COND)	1	File access error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	File data error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or file data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Calibration execution error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	YCP21 port initialize error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or YCP21 port is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Time-out occurred during data transmission.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	Time-out occurred during data reception.	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Receive data error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the communication setting and communication wiring is correct.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Coordinate conversion error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Position type variable access error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Failed to store the area.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Measurement item setting error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Tag setting error	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		48	Wait status table FULL	Communication error	(1)Reset the alarm. (2)If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4126	CANNOT EXECUTE AUTO PMT	1	System error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	PBOX cannot be edited.	Setting error	(1)Reset the alarm. (2)Check the following setting. • I/O status of the edit prohibit signal The edit prohibit signal cannot input.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The source job cannot be edited.	Setting error	(1)Reset the alarm. (2)Check the following setting. • The prohibit status of source job If the source job is protected from editing, it cannot be edited.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The converted job cannot be edited.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The prohibit status of converted job If the converted job is protected from editing, it cannot be edited.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	The memory area for job area is insufficient.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete unused jobs. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The source job is not exist.	Setting error	(1)Check the following settings. • Presence of the specified source job The job which does not exist cannot be set to the source job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The memory area for position data of the job is insufficient.	Software operation error occurred	(1)Reset the alarm. (2)when the error occurs again, if there is an unnecessary teaching position, delete it. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The job under execution is specified as the conversion job.	Setting error	(1)Reset the alarm. (2)Check the following settings. • Execution status of the source job • Execution status of the converted job The job under execution is specified for the source / converted job. Execute conversion operation after ending the job execution.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4127	U-AXIS TIMING BELT BLOWN		Sub Code: XY X: Servo board (SV#X) Y: Power-ON unit (TU#Y)	Belt blown	(1)Reset the alarm. (2)Replace the timing belt of the manipulator. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4128	ARC MONITOR ERROR	1	Monitor ON was executed in Monitor ON.	Setting error	(1)Reset the alarm. (2)Check the following settings. • Arc monitor ON status Arc monitor ON cannot be executed during arc monitor ON.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Analog CH specification or register specification is not exist.	Setting error	(1)Reset the alarm. (2)Check the following settings. • Analog CH specification • Register specification Analog CH specification or register specification is required.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The number of samplings exceeds the set value.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The number of samplings The number of sampling is too much. Confirm the monitor ON/OFF status.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4129	TWIN DRIVE OUT OF RANGE (START)		Sub Code: Corresponding master-axes and slave-axes are displayed by the bit.	Setting error	(1)Reset the alarm. (2)Check the following settings. • Pulse error of the master-axes and the slave-axes Switch to independent movement mode so that the pulse error of the master-axes and the slave-axes is settled within allowable range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4130	NETWORK APPLICATION PROCESS ERROR	1	An error occurred when the notification of the APP task re-initialization was processed in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	An error occurred when the re-initialization response was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		3	The incomplete task of re-initialization was unsuccessfully completed in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		4	An error occurred when the semaphore for re-initialization was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		5	An error occurred when the re-initialization mail was sent in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		6	An error occurred in the exclusive process of the storage area control table of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		7	Time-out occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		8	An error occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		9	Receiving data size error occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		30	An error occurred in the Web server task mail receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		31	An error occurred in the FTP server task mail receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		32	An error occurred in the FTP client task mail receiving process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		40	Illegal e-mail data were received in the Web server task of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		41	Illegal e-mail data were received in the FTP server task of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		42	Illegal e-mail data were received in the FTP client task of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		50	An error occurred in the data size written to PCI of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		51	An error occurred when the request to write PCI data was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		52	The request of the undefined transmission was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		53	An error occurred in the transmission request of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		54	The transmission request without data was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		55	The transmission request of illegal data length was received in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		60	Illegal mail data ware received in the DNS task of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		61	Illegal mail data was transmitted in the DNS task of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		100	An error occurred in storing process of memory which is used in the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		101	An error occurred in the buffer for request to write PCI getting process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		200	The socket of the Ethernet function was full and was not able to create a socket.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		201	An error occurred in the semaphore of socket control table of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
4131	UDP PROCESS ERROR	1	An error occurred in the creation of receiving socket during the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	An error occurred in the creation of transmission socket during the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		3	Illegal data were received in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		4	Transmission error occurred in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		5	The SELECT operation was not successfully completed in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		100	The re-initialization notification of illegal data length was received in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		101	The re-initialization notification of illegal data was received in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		102	The PCI write process was not successfully completed in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		103	The transmission request of illegal data length was received in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		104	The transmission request of illegal data was received in the UDP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4132	TCP PROCESS ERROR	1	The socket table was not successfully created in the TCP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		2	An error occurred in the process of the TCP server initialization of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		3	An error occurred in connection detecting process of TCP server of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		4	An error occurred in the connection detection checking process of TCP server of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
4134	COOLING FAN SET ABNORMAL	0		Setting error	(1)Reset the alarm. (2)Check the following settings. • Confirm parameter SVS and S2C for the cooling fan. • Open the front panel to refer to the parameter list on the back.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4135	TOYOPUC RUN STOP	0		Setting error	(1)Reset the alarm. (2)Check the following settings. • Use the PCwin, etc. to run the TOYOPUC.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4136	TOYOPUC MAJOR ERROR	0	The PCI bus state of the TOYOPUC turns to "ER".	Setting error	(1)Reset the alarm. (2)Check the following settings. • OFF/ON status of the remote • OFF/ON status of the power supply Turn OFF and back ON the remote or power supply.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4137	WRONG EXECUTION OF SETUALM INST	1	Alarm code specification error	Setting error	(1)Reset the alarm. (2)Check the following settings. • Alarm code Specify the alarm in the range 8000 to 8999.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Task specification error	Setting error	(1)Reset the alarm. (2)Check the following settings. • Task specification Specify the task in the range 0 to 15.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Motion mode specification error	Setting error	(1)Reset the alarm. (2)Check the following settings. • Motion mode specification Set the motion mode to 0 or 1.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4138	WRONG EXECUTION OF SVON INST			Connection failure	(1)Reset the alarm. (2)Check the following settings. • Short-circuit the external servo ON (EXSVON) of MXT terminal block.
				Setting error	(1)Reset the alarm. (2)Check the following settings. • The concurrent I/O signal #80031 (servo ON condition1) ON • The concurrent I/O signal #80033 (servo ON condition2) ON
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4139	WRONG EXECUTION OF PRINT INST			Setting error	(1)Reset the alarm. (2)Check the following settings. • The setting of the PRINT output conversion spec (character string specification) If there is no problem in the setting, delete the corresponding PRINT instruction and register again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4140	WRONG EXECUTION OF DIALOG INST	1	DIALOG instruction control error	Setting error	(1)Reset the alarm. (2)Check the following settings. • The tag setting of DIALOG instruction If no fault is found, delete corresponding DIALOG instruction, and then register again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Messages and buttons are not registered.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The information of DIALOG instruction message and button
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Buttons are not registered.	Setting error	(1)Reset the alarm. (2)Check the following settings. • The information of DIALOG instruction button
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4141	SNTP ERROR	1	The error on setting of time difference value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		2	The error on setting of time-out value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		3	The error on setting of reference interval value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
		4	The IP address error occurred in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • The IP address of the SNTP server • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Time-out occurred in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • The SNTP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The server time is not synchronized in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • The SNTP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The SNTP process of the Ethernet function is not compliant with the version that the server sent.	Setting error	Use the server compliant with the SNTP version 3.
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Illegal parameters were found in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • SNTP setting

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The SNTP process of the Ethernet function was not successfully completed.	Setting error	(1)Check the following settings. • SNTP setting
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The name resolution error occurred in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • The IP address of the SNTP server • The DHCP server operation *If the DHCP is used • The network status *If the DHCP is used
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The error on getting of server address occurred in the SNTP process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation • The network status
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The server setting is incorrect in the SNTP process of the Ethernet function (for future use).	Setting error	(1)Check the following settings. • SNTP setting
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4144	FUNCTION EXECUTION ERROR	0	FN591 was executed 11 or more times in a row.	Teaching failure	(1)Reset the alarm. (2)Don't set FN593 11 or more times in a row. Review the teaching.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4145	RELAY NO. ERROR (LADDER PROGRAM)	0	There is invalid relay number in the SYSTEM LADDER.	Setting error	(1)Save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	There is invalid relay number in the USER LADDER.	Setting error	(1)Set the security to management mode and compile the ladder program. If any error occurs, modify the invalid relay number to complete the compiling. Valid range General Input:00010 to 05127 General Output:10010 to 15127 External Input:20010 to 25127 External Output:30010 to 35127 Specific Input:40010 to 41607 Specific Output:50010 to 53007 I/F Panel Input:60010 to 60647 Auxiliary Relay:70010 to 79997 Control Input:80010 to 81287 Pseudo Input:82010 to 82207 Network Input:27010 to 29567 Network output:37010 to 39567
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4146	ENCDR PWR CIRCUIT PROTECTOR TRIP	1	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Incorrect setting	(1)Check the following settings. • Turn ON the circuit protector.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
				Unit failure	Replace the motor or encoder to which the power is supplied.
				Parts failure	Replace the circuit protector.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4152	TIMING BELT BLOWN	1	The EAXA21 / EAXB21 board # 1 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The EAXA21 / EAXB21 board # 6 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	The EAXA21 / EAXB21 board # 7 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. (1) Check the timing belt tension. (2) Check the wiring between manipulator and the machine safety unit (YSF22 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4153	COOLING UNIT ERROR	1	The EAXA21 / EAXB21 board # 1 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The EAXA21 / EAXB21 board # 6 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The EAXA21 / EAXB21 board # 7 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4154	COOLING FAN ERROR (DOOR)	1	The EAXA21 / EAXB21 board # 1 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The EAXA21 / EAXB21 board # 6 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The EAXA21 / EAXB21 board # 7 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4155	COOLING FAN ERROR (BACKSIDE)	1	The EAXA21 / EAXB21 board # 1 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The EAXA21 / EAXB21 board # 2 generates an alarm.	Connection failure	(1)Reset the alarm.
				Power voltage drop	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	The EAXA21 / EAXB21 board # 3 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The EAXA21 / EAXB21 board # 4 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The EAXA21 / EAXB21 board # 5 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	The EAXA21 / EAXB21 board # 6 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The EAXA21 / EAXB21 board # 7 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The EAXA21 / EAXB21 board # 8 generates an alarm.	Connection failure	(1)Reset the alarm. (2)Check the connection and insertion of the cable and connector for the cooling fan.
				Power voltage drop	(1)Reset the alarm. (2)Check if the primary power voltage is normal.
				Dirt	(1)Reset the alarm. (2)Clean the cooling fan and the fan duct.
				Unit failure	(1)Reset the alarm. (2)Replace the malfunctioning cooling fan with a new one.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4156	COOLING FAN4 ERROR		Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Cooling fan failure	(1)Reset the alarm. (2)Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4157	COOLING FAN5 ERROR		Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Cooling fan failure	(1)Reset the alarm. (2)Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4160	FUSE BLOWN (EARTH DETECTOR)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Loose fuse	(1)Reset the alarm. (2)(1)Check the fuse(F21) in the YFL unit is not disconnected.
				Blown fuse	Replace the fuse(F21) in the YFL unit.
				Parts failure	Replace the fuse(F21) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4161	SAFETY RELAY ERROR		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • CN609 in the YPU unit. • No.1,2 of CN806 in the YFL unit.
				Stick relay	Replace the safety relay.
				Parts failure	Replace the safety relay.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4162	CIRCUIT TRIPPED (QFVIN)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in external 24V power line.
				Rated capacity over	Check the capacity of external 24V power supply
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.3,4 of CN806 in the YFL unit.
				Unit failure	Replace the External 24V power supply unit.
				Parts failure	Replace the circuit protector.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4163	CIRCUIT TRIPPED (QFVOUT)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in external 24V power line.
				Rated capacity over	Check the capacity of external 24V power supply
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.5,6 of CN806 in the YFL unit.
				Unit failure	Replace the External 24V power supply unit.
				Parts failure	Replace the circuit protector.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4164	CIRCUIT TRIPPED (QFDS1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in D-NET line.
				Rated capacity over	Check the capacity of D-NET 24V power supply.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.7,8 of CN806 in the YFL unit.
				Unit failure	Replace the D-NET 24V power supply unit.
				Parts failure	Replace the circuit protector.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4165	CIRCUIT TRIPPED (QFDS2)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in D-NET line.
				Rated capacity over	Check the capacity of D-NET 24V power supply.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.9,10 of CN806 in the YFL unit.
				Unit failure	Replace the D-NET 24V power supply unit.
				Parts failure	Replace the circuit protector.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4166	CIRCUIT TRIPPED (QFTD1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Parts failure	Replace the circuit protector.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.11,12 of CN806 in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4167	CIRCUIT TRIPPED (OPTION:1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Parts failure	Replace the circuit protector.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.13,14 of CN806 in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4168	CIRCUIT TRIPPED (OPTION:2)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Incorrect setting	Check if the circuit protector is turned on.
				Parts failure	Check the status of circuit protector.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.15,16 of CN806 in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4169	I/O-EXPANSION BOARD ERROR:1		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Short circuit or ground fault	(1)Reset the alarm. (2)Check the following settings. • DC24V output from I/O expansion board is correct. • FU1 or FU2 fuse in I/O expansion board is not blown. • A short circuit or ground fault has not occurred in IN/OUT line of I/O expansion board.
				Fuse blown (XOI)	(1)Reset the alarm. (2)Check DC24V output from I/O expansion board is correct. (3)Replace the fuse(FU1,FU2) in I./O expansion board.
				Unit failure (XOI)	Check the I/O expansion board.
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.2,3 of CN809 in the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4170	I/O-EXPANSION BOARD ERROR:2		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Short circuit or ground fault	(1)Reset the alarm. (2)Check the following setting. (1)DC24V output from I/O expansion board. is correct. (2)FU1 or FU2 fuse in I/O expansion board is not blown. (3)A short circuit or ground fault has not occurred in IN/OUT line of I/O expansion board.
				Fuse blown (XOI)	(1)Reset the alarm. (2)Replace the fuse(FU1,FU2) in I./O expansion board.
				Unit failure (XOI)	(1)Reset the alarm. (2)Check the I/O expansion board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.6,7 of CN809 in the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4171	RESERVED ERROR1		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.10,11 of CN809 in the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4172	RESERVED ERROR2		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • No.14,15 of CN809 in the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4173	FUSE BLOWN (ROBOT ENCODER)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F1) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in encoder line between controller and robot.
				Parts failure	Replace the fuse(F1) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4174	FUSE BLOWN (EX-AXIS1 ENCODER)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F2) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in encoder line of ex-axis.
				Parts failure	Replace the fuse(F2) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4175	FUSE BLOWN (EX-AXIS2 ENCODER)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F3) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in encoder line of ex-axis.
				Parts failure	Replace the fuse(F3) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4176	FUSE BLOWN (EX-AXIS3 ENCODER)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F4) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in encoder line of ex-axis.
				Parts failure	Replace the fuse(F4) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4177	FUSE BLOWN (DIRECT-IN)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F5) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in direct-in line.
				Parts failure	Replace the fuse(F5) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4178	FUSE BLOWN (SHOCK SENSOR)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F6) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in shock sensor or servo on lamp line.
				Parts failure	Replace the fuse(F6) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4179	FUSE BLOWN (ROBOT OVERRUN)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F7) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in overrun line of robot.
				Parts failure	Replace the fuse(F7) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4180	FUSE BLOWN (EX-AXIS OT2-1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F8) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in overrun line of ex-axis.
				Parts failure	Replace the fuse(F8) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4181	FUSE BLOWN (EX-AXIS OT3-1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F9) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in overrun line of ex-axis.
				Parts failure	Replace the fuse(F9) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4182	FUSE BLOWN (EX-AXIS OT4-1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F10) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in overrun line of ex-axis.
				Parts failure	Replace the fuse(F10) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4183	FUSE BLOWN (BRAKE:1)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F11) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F11) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4184	FUSE BLOWN (BRAKE:2)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F12) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F12) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4185	FUSE BLOWN (BRAKE:3)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F13) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F13) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4186	FUSE BLOWN (BRAKE:4)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F14) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F14) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4187	FUSE BLOWN (BRAKE:5)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F15) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F15) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4188	FUSE BLOWN (BRAKE:6)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F16) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F16) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4189	FUSE BLOWN (BRAKE:7)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F17) in the YFL unit.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F17) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4190	FUSE BLOWN (BRAKE:8)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F18) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F18) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4191	FUSE BLOWN (BRAKE:9)		Sub Code: Signifies the YFL unit number in which the alarm occurred.	Blown fuse	Replace the fuse(F19) in the YFL unit.
				Short circuit or ground fault	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check a short circuit or ground fault has not occurred in brake line.
				Parts failure	Replace the fuse(F19) in the YFL unit.
				Unit failure (YFL)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YFL unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4200	SYSTEM ERROR (FILE DATA)		Sub code 01 to 50: Signifies the internal software error	Data error	(1)Reset the alarm. (2)If the alarm occurs again, turn the controller power OFF and then ON to check the operation. (3)If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4201	SYSTEM ERROR (JOB)	-1	An error occurred during the access to a job in parameter specifications.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	Access time exceeded the limit during the access to a job.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-3	The access to a job could not be performed with the specified job name.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-4	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-5	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-6	The allowable job registration area (memory) was exceeded.	Setting error	(1)Check the following settings. • Delete unused jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-7	A job that did not exist in the memory was specified.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-8	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	(1)Check the following settings. • Release the prohibition.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-9	An error occurred during the access to a job in handle value.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-10	An error occurred in job data control system.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-11	An error occurred in sequence number of the accessed job.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-12	An error occurred in step number of the accessed job.	Software operation error occurred	Reset the alarm, and then try again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-13	A job specified at job search did not exist in the memory.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-14	There was an instruction that did not exist in a job because of inconsistency of the system software.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-16	Unused handles were lacking when an attempt was made to open a job.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-18	The number of instructions added to a job exceeded 9999.	Setting error	(1)Check the following settings. • Delete unnecessary instructions and add new instructions again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-19	The number of steps added to a job exceeded 999.	Setting error	(1)Check the following settings. Delete unnecessary steps and add new steps again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-22	Job information was not able to be expanded.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-23	Job information was not able to be acquired.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-24	An error occurred in cluster control.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-25	Failed to read the cluster information.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-26	Heap area could not be obtained.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-90	The configuration data is damaged.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-91	The FAT area is damaged.	Software operation error occurred	Reset the alarm, and then try again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-92	A job data in the memory was destroyed.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4202	SYSTEM ERROR (JOB)	1	An error occurred in parameter specifications for the access to a job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Access time exceeded the limit during the access to a job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Unapproved characters are used for a job name.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The allowable job registration area (memory) was exceeded.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete unused jobs. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	A job that did not exist in the memory was specified.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	(1)Check the following settings. • Setting of EDIT LOCK in JOB header screen If the job is protected from editing, release the prohibition.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Reset the alarm. (2)If you edit this job, release the prohibition. (3)If the error occurs again, delete the job where the alarm occurred. (4)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (5)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	(1)Check the following settings. • Setting of EDIT LOCK in JOB header screen If the job is protected from editing, release the prohibition.
				Software operation error occurred	(1)Reset the alarm. (2)If you edit this job, release the prohibition. (3)If the error occurs again, delete the job where the alarm occurred. (4)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (5)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error occurred in job data control system.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	An error occurred in sequence number of the accessed job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		12	An error occurred in step number of the accessed job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	A job specified at job search did not exist in the memory.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	There was an instruction that did not exist in a job because of inconsistency of the system software.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	Unused handles were lacking when an attempt was made to open a job.	Setting error	(1)Check the following settings. • The number of call job stacks Set the job configuration that decreases the number of call job stacks.
				Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	The number of instructions added to a job exceeded 9999.	Setting error	(1)Check the following settings. • The number of steps in job Delete unnecessary instructions in job and add new instructions.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The number of steps added to a job exceeded 9999.	Setting error	(1)Check the following settings. • The number of steps in job Delete unnecessary steps in job and add new steps.
				Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	A job was newly created with the same name of the undefined job already specified in the memory.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	Failed to expand job information during the access to a job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	The accessed job was not opened.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		24	An error occurred in the cluster control process of the accessed job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	An error occurred when reading the cluster information of the accessed job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	Failed to acquire the necessary memory area during the access to a job.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		27	An attempt was made to change the contents for the line prohibited from being edited or the commented-out line.	Setting error	(1)Reset the alarm. (2)Cancel the LINE EDIT LOCK/COMMENT OUT settings of target lines in JOB CONTENTS screen.
				Software operation error occurred	(1)Reset the alarm. (2)Cancel the LINE EDIT LOCK/COMMENT OUT settings of target lines in JOB CONTENTS screen. (3)If the error occurs again, delete the line where the alarm occurred. (4)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (5)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		90	The configuration information for job data control is damaged.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		91	The FAT information for job data is damaged.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		92	A job data was destroyed.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		99	A job data in the memory was destroyed.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4203	SYSTEM ERROR (POSITION DATA)	-1	The memory area for position data is lacking at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	The number of axes for all the control groups is zero at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-3	The number of axes for position data is zero.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-4	The number of stored position data exceeded the maximum stored data at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-5	The memory size of the position data exceeded the maximum memory size at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-6	Unused position data file is destroyed.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-7	Unused position data file does not exist.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-8	Position data file is destroyed.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-9	Position data control information is destroyed.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-10	An error occurred in specified position data number.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-11	Position data is not registered.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-12	An attempt was made to access the undefined position data.	Software operation error occurred	Reset the alarm, and then try again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-13	An attempt was made to access the position data for the undefined control group.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-14	Position data control is not initialized.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-15	The number of axes for the control groups exceeded the limit.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-16	An error occurred in exclusive control during the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-17	An error occurred in exceptional control during the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-20	Inconsistency of data.	Software operation error occurred	Reset the alarm, and then try again.
				YIF01 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				YCP21 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4204	SYSTEM ERROR (POSITION DATA)	1	The number of axes for all the control groups is zero at the initialization of the position data control process	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The number of axes for all the control groups is zero at the initialization of the position data control process	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	The number of axes for position data is zero.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The number of stored position data exceeded the maximum stored data at the initialization of the position data control process.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The memory size of the position data exceeded the maximum memory size at the initialization of the position data control process.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Unused position data file is destroyed.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Unused position data file does not exist.	Setting error	(1)Check the following settings. • The number of steps in job (position data) Delete unnecessary position data in job and add new position data.
				Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Position data file is destroyed.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Position data control information is destroyed.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error occurred in specified position data number.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Position data is not registered.	Setting error	(1)Check the following settings. • Teaching of alarm occurred point Teaching the point where alarm occurred.
				Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An attempt was made to access the undefined position data.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		13	An attempt was made to access the position data for the undefined control group.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	Position data control is not initialized.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	The number of axes for the control groups exceeded the limit.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	An error occurred in exclusive control during the position data control process.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	An error occurred in exceptional control during the position data control process.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		20	Undefined position exists.	Software operation error occurred	(1)Reset the alarm. (2)If the error occurs again, delete the job where the alarm occurred. (3)If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. (4)If the error occurs again though the previous measures were executed, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4206	SYSTEM ERROR (TRANSMISSION)		Sub Code 1 to 4: Signifies the internal software error during data transmission.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4207	SYSTEM ERROR (MOTION)	1	An interrupt undefined in the main command from the system control section occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An interrupt undefined in the sub command from the system control section occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The interrupt command that was sent previously from the system control section is being processed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error was detected in the interrupt command data from the system control section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An undefined command was detected in the sub segment task of MOTION section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An undefined command was detected in the servo-related processing of MOTION section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	An undefined command was detected in the offline processing task of MOTION section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An undefined command was detected in the utility task of MOTION section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Task Token is not generated.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Mail-box Token is not generated.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Semaphore Token is not generated.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	RMS receiving data error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	RMS sending data error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	RMS receiving unit error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	Task generation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		19	Mail-box generation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	Semaphore generation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	TCB area overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	Stack area overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	Mail-box area overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	Semaphore area overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Interrupt main command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	Incorrect control group designation	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		34	Offline bank semaphore reception error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		35	m_gen_area semaphore reception error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		36	Offline HA processing timeout	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		37	DM_BANK flag error (DM_BANK conversion processing)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	S -> M offline processing command type error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		39	Function specification error in the data transmission to the sensor board	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		40	Error in designation of application in the request of general-purpose data preset for each application.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		45	Mail-box of sequence task is not ready.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		46	Control-group usage undefined	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	Segment task polling command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		48	Physical axis number error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		49	The control group impossible to release the brake	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	Sub-segment request FULL	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	Sub-segment process timeout	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	Data latch request FULL	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	Data latch process timeout	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	AXIS command request FULL	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	AXIS command process timeout	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	Positioning monitor request FULL	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		57	Positioning monitor process timeout	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		58	Failed AXIS servo OFF command request during category1 emergency stop	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		59	AXIS servo OFF command execution system not set during category1 emergency stop	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	Conversion primary expression for Power Source command <-> EW command not prepared	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	Duplicated request error during master control-group tracking	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	GVM shared resource semaphore error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	Job queue DEQUE error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	Conversion primary expression for painting device command <-> EW command not prepared	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	Execution system decision table not set	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		67	Unknown mode data (Without TEACH/PLAY mode data)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		68	Shift-value output timeout of the general-purpose sensor	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		69	Interrupt main status set	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		71	System number error at the master side in twin synchronous system	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		72	No data link added to the command	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		73	Setting status error of the user coordinates file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		75	Previous path data reference error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		76	Target position preparation error in arc-retry shift motion mode	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		79	Inner track zone status error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		80	Instruction queue and instruction system data area overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		81	Offline answer bank flag error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		82	Path and trace queue ENQUE BANK error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		83	Pending and block end request FULL	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		84	Base axis file type error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		85	Output buffer SYSCON for automatic test data in use	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		86	Conversion completion status for AXIS section feedback latch data not established	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		88	File C1 through C3 for calibration between manipulators not set	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		89	File C1 through C3 for conveyor calibration not set	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		90	HA function error (conv_pos_data())	Setting error	(1)Check the following settings. • Correct the job so that the target position data is within the motion range. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		91	HA function error (conv_shift_data())	Setting error	(1)Check the following settings. • Correct the job so that the target position data is within the motion range. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		94	HA function error (conv_pulse_to_angle())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		95	HA function error (pr_atinf_pos_make())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		97	HA function error (get_gun_ctrl_ori_angle())	Software operation error occurred	(1)Reset the alarm, and then try again. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		98	HA function error (make_conv_frm_data())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		99	HA function error (calc_dist_pos())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	Control-group axis configuration information parameter error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		101	Error in the parameter for the table for physical axes	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		102	Error in the parameter for the table for physical TU	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	Excessive number of control group axes in use	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	JOG and PLAY maximum speed setting parameter error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		121	Job argument stack overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		122	Job argument stack underflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		123	Designation error of the fetched feedback pulse area at preparation of current value	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		128	Timeout for waiting permission to modify the number of averaging times	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		129	Object undefined for CLEAR instruction	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		130	No space in RT_BANK setting area for correction-amount data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		131	Queue operation error for variable write-in history at pre-reading (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		132	Queue operation error for variable write-in history at pre-reading (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		133	Queue operation error for variable write-in history at pre-reading (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		134	Queue operation error for variable write-in history at pre-reading (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		135	Queue operation error for score-board setting history (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		136	Queue operation error for score-board setting history (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		137	Queue operation error for score-board setting history (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		138	Queue operation error for score-board setting history (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		139	Queue operation error for instruction execution (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		140	Queue operation error for instruction execution (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		141	Queue operation error for instruction execution (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		142	Queue operation error for instruction execution (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		143	Queue operation error for WORK ID conveyor (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		144	Queue operation error for WORK ID conveyor (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		145	Queue operation error for WORK ID conveyor (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		146	Queue operation error for WORK ID conveyor (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		147	Queue operation error for WORK IN/OUT checking conveyor (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		148	Queue operation error for WORK IN/OUT checking conveyor (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		149	Queue operation error for WORK IN/OUT checking conveyor (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		150	Queue operation error for WORK IN/OUT checking conveyor (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		151	Queue operation error for waiting for semaphore for LOCK instruction (at ENQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		152	Queue operation error for waiting for semaphore for LOCK instruction (at DEQUE)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		153	Queue operation error for waiting for semaphore for LOCK instruction (undefined operation)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		161	Functional safety command request is full.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		162	Functional safety command request is latency over.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		154	Queue operation error for waiting for semaphore for LOCK instruction (data length too long)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		221	Transfer data overflow in offline data bank	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		222	Impossible to execute system exclusive for system job	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		223	Event queue number range exceeded	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		224	No motor-gun control group for ESRCH instruction	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		225	The number of WORK ID data and the MAX. WORK FIND COUNT unmatched (MOTION ≠ CV)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		226	The number of WORK IN/OUT data and the MAX. WORK FIND COUNT unmatched (MOTION ≠ CV)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		227	Excessive number of scheduling for execution of instructions	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		228	Instruction execution scheduling impossible	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		229	Illegal 1st-line move instruction at execution of +SMOV instruction	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		230	Impossible to execute the slave circular interpolation and the master circular interpolation at the same time	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		231	Impossible to execute the slave spline interpolation and the master spline interpolation at the same time	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		232	Illegal index value for a +MOVx instruction	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		233	No xth-line move instruction exists where the master control group belongs.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		234	Marking error for WORK ID conveyor queue (empty queue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		235	Marking error for WORK IN/OUT conveyor queue (empty queue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		236	Data error 1 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		237	Data error 2 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		238	Data error 3 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		239	Timeout for receiving segment data output request	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		240	The number which designates the setting area of correction amount in RT_BANK exceeded the limit value.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		241	Task error of the function calling source (cv_sync_intr ( ))	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		242	No control group for motor gun for clearance move instruction	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		243	Motor gun condition file number error (including gun pressure file)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		244	GETTOOLW manipulator designation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		245	Overflow of entry number for instruction execution	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		246	Data latch processing (function number overflow)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		247	Data latch processing (real-time status number overflow)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		248	Failed to set a timer unit. (No allocation space for timer unit setting)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		249	Segment data missing (seg_t_req was not received in time.)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		250	GETS instruction internal error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		251	SETFILE undefined file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		252	GETFILE undefined file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		253	The parameter was destroyed when a GETPRM instruction was executed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		254	Null pointer assignment detected	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		255	Function or other processing parameter error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		260	Arithmetic answer is not set at pre-reading (ADV_HA_ANS.flag == OFF)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		261	Heap area obtainment failure (A_BANK)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		262	Heap area obtainment failure (C_BANK)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		263	Heap area obtainment failure (Instruction queue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		264	Heap area obtainment failure (Path/trace queue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		279	Specified MSS system instance is not generated.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		280	API error (HDAS_get_alias_name())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		284	GA generation number is over the limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		285	GA gene number is over the limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		286	GA initial generation number setting error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		287	GA control group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		288	Learning control analysis error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		290	HA function error (get_svspot_ntch_data())	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		500	SL undefined interrupt command (main command)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		501	SL undefined interrupt command (sub command)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		502	Previous SL interrupt command processing	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		503	SL interrupt command data error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		999	Arithmetic section error (segment data all zero timeout)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1000	System clock (RTC) setting error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1001	System task priority arrangement error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		1002	VxWorks primitive error (msgQCreate)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1003	VxWorks primitive error (msgQSend)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1005	VxWorks primitive error (semBCreate)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1007	VxWorks primitive error (semTake)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1100	Failed system job environment configuration	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2000	Failed system job environment configuration	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4208	SYSTEM ERROR (ARITH)	1	Pre-reading task is not completed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The averaging buffer in the arithmetic section is destroyed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	No previous bank exists.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	The answer bank flag is ON.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An error occurred in preparation of current position.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Mails could not correctly be received in the current task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Spline-curve path designation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The previous bank's pre-reading conversion could not correctly be completed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	A manipulator designation error occurred at JOG operation using the external reference point.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Designation error of cubic interference coordinates	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	Path control position data error of pre-reading bank	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	Station/base axis motion command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		18	User coordinates number error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	Processing error in re-preparation of segment control data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	Pre-reading task not completed at master in twin synchronous system	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	Dynamic model arithmetic error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	Speed limit control error (excessive moment of gravity)	Setting error	(1)Check the following settings. • The allowable breaking torque was exceeded only by the gravity moment. Set the gravity value of the tool within payload of the manipulator. • Teach the manipulator orientation that does not become the overload for each-axes of the manipulator. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	Square root of a negative number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	The system number is not set at master in twin synchronous system.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		29	FORMCUT internal control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		30	Arm interference check error (radius data referencing mistake)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	Arm interference check error (miscalculation using direct kinematics)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	Arm interference check error (L-axis expansion flag setting error)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	Arm interference check error (check-point re-setting error)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		34	Impossible to edit the averaging buffer (zero division)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		35	No master-group is designated at preparation of master-tool user coordinates.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		37	Gauging function error (command designation error)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	A coordinated motion was attempted using the Following function.	Setting error	(1)Check the following settings. • Change the setting so that only the manipulator moves. • The coordinated motion cannot be performed by the Following function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		39	Zero or a negative value is set for the bending speed of the Following function.	Setting error	(1)Check the following settings. • Set a positive value for the bending speed.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		40	Zero or a negative value is set for the bending stroke of the Following function.	Setting error	(1)Check the following settings. • Set a positive value for the bending stroke.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	Pulse linked JOG function error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		42	Special JOG operation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		44	Segment overless: Segment excessive error	Setting error	(1)Check the following settings. • The teaching position cannot hold down the speed by the segment overless function. Reduce the teaching speed of the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		45	Segment overless: Path calculation repeat error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	Play path control: initialization error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		48	Play path control: continue process error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		49	Play path control: Step continuous initialization error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	Play path control: step continuous motion execution process error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		54	Approximation model internal control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	Pair coordinate system position calculation function error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	OPT higher acceleration and deceleration control is not allowed when Function acceleration and deceleration control is enabled.	Setting error	(1)Check the following settings. • OPT higher acceleration and deceleration control is used. • Don't use the OPT higher acceleration and deceleration control.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	Arithmetic error occurred when calculating the acceleration and deceleration time (Function acceleration and deceleration control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		58	Arithmetic error occurred when recalculating the acceleration and deceleration time (Function acceleration and deceleration control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		59	Arithmetic error occurred when calculating PL control (Function acceleration and deceleration control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		60	Arithmetic error occurred when calculating Function acceleration and deceleration dry run.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	Arithmetic error occurred when calculating current path of continuous motion stop operation	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	Arithmetic error occurred when calculating next path of continuous motion stop operation	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		63	Arithmetic error occurred when calculating acceleration time when continuous motion in the pre-reading processing	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	Arithmetic error occurred when calculating deceleration time when continuous motion in the pre-reading processing	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65	Arithmetic error occurred when calculating acceleration and deceleration time when teaching.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		66	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in pre-reading processing 1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		67	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in pre-reading processing 2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		68	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in pre-reading processing 3	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		69	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in pre-reading processing 4	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	Arithmetic error occurred when calculating acceleration and deceleration for PL control plucking in pre-reading processing 1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		71	Arithmetic error occurred when calculating acceleration and deceleration for PL control plucking in pre-reading processing 2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		72	Arithmetic error occurred when calculating acceleration and deceleration for plucking	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		73	Arithmetic error occurred when calculating acceleration and deceleration for PL control in pre-reading processing 1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		74	Arithmetic error occurred when calculating acceleration and deceleration for PL control in pre-reading processing 2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		75	Arithmetic error occurred when calculating acceleration and deceleration for PL control in pre-reading processing 3	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		76	Arithmetic error occurred when calculating acceleration and deceleration for PL control in pre-reading processing 4	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		77	Arithmetic error occurred when calculating acceleration and deceleration for PL control in pre-reading processing 5	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		96	Press full synchronous function:Press synchronous execution error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		97	Press full synchronous function:The press position carried out cycle movement over.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		98	Press full synchronous function:Press synchronous position error	Software operation error occurred	(1)Execute Position Adjustment Function to correct the position gap between press position and the manipulator. • Confirm that both press and manipulator are maintained in stopped state. • Change the specific input: Position Correct Request (#40540) to ON. • Execute the Press synchronization JOB again. • Wait for the specific output "Correcting position(#50683)" to become OFF and then start up the press.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		99	Press full synchronous function:Position search error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	Posture control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		65535	For HA debug use	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4209	OFFLINE SYSTEM ERROR (ARITH)	100	Data setting error in offline data bank	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		101	Data setting error in offline answer bank	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	OFF_USER_POS occupation control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	OFF_USER_POS valid control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	Mail-receiving error of offline task	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	Offline occupation control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		107	OFF_USER_ROT_POS occupation control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		108	OFF_USER_ROT_POS valid control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		109	OFF_CV_CALIB_POS occupation control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		110	OFF_CV_CALIB_POS valid control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		111	Incorrect teaching for offline conveyor tracking turntable function	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		112	No manipulator is designated for offline conveyor tracking turntable function.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4210	SYSTEM ERROR (LOCAL VARIABLE)	-1	Local variable is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	Memory area for local variable could not be obtained.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-3	No unused handle value exists when local variable area is created.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-4	An error occurred in exclusive control.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-5	Handle value is invalid for specified local variable.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-6	Handle value is incorrect for specified local variable.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-7	An error occurred when memory area for local variable was released.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-8	An error occurred when memory area for local variable was registered.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-9	Local variable control process is not initialized.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-10	Local variable area shared heap area.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-11	An error occurred in exclusive control.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-12	An error occurred in exclusive control when control of the local variable was processed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4220	SERVO POWER OFF FOR JOB		Sub Code: Control group	Setting error	(1)Check the following settings. • Turn OFF the servo power supply, and then turn ON the servo power supply for the group axis to be operated.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4221	SERVO POWER OFF FOR JOB		Sub Code: Control group	The servo power is not supplied.	• Turn OFF the servo power supply, and then turn ON the servo power supply for the group axis to be operated.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4224	MEMOPLAY FILE ERROR	-1	An error occurred in control process for memory play file.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	The arrangement address information is destroyed for memory play file system.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-3	The fixed control information is destroyed for memory play file system.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-4	The fixed control information is destroyed for memory play file system.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-5	An attempt was made to newly register the memory play file under use.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-6	An error occurred in checking written sampling data when the data was written to CMOS.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-7	An attempt was made to access an unused memory play file data.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-8	The memory play file is destroyed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-9	The memory area for sampling data is full.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-10	The sampling data is destroyed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-11	Data in control process for memory play file is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-12	The sampling data is scanned only at top or end position.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-13	The memory play file system is not initialized.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-14	The offset value is out of range at sampling data scanning.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4225	OVER SPEED (YCP21)		Signifies the control axis number which detected an error	Setting error	(1)Check the following settings. • The gun tip hits the welded target distance of motor gun • manipulator motion (external force, gravity)
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • The motor power line • The encoder line
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the following unit. • The motor
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4226	COMMUNICATION SERVICE ERROR	1	The communication channel could not be opened/closed at OPEN/ CLOSE instruction execution.	Setting error	(1)Check the following settings. • Setting of the RS (transmission) parameter
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	The communication port is already opened.	Setting error	(1)Check the following settings. The serial port setting
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		101	The communication port is not opened.	Setting error	(1)Check the following settings. The serial port setting
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	No space was found in data sent buffer.	Setting error	(1)Check the following settings. The serial port setting
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	The setting value for the event queue designation parameter is incorrect.	Setting error	(1)Reset the alarm. (2)Check the following settings. • RS157…Set to 1 to 4
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	The type of output data is incorrect.	Setting error	(1)Reset the alarm. (2)Check the following settings. The serial port setting
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4228	WRONG DATA			Software operation error occurred	(1)Reset the alarm, and then execute following operation. • Select a sub menu [WRONG DATA LOG] under main menu [SETUP]. • Execute "RESTORE" by selecting "UTILITY" from the pull-down menu. *Occurrence date changes to restoration date after it is restored. •Turn the power OFF and then ON to check the factor of the inconsistency 1 and 2, on the data inconsistency screen in maintenance mode. The factor 1: Check the position of the corresponding file The factor 2: Register the position of the corresponding file again *The factor 3:Just turn the power OFF and then ON again. (2)If it would not restore, select "RE CHECK" from the pull-down menu. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				Data error	(1) If different axes configuration data is loaded, the system data becomes incorrect status, which causes this alarm. In this case, execute the following operations. • Select a sub menu [WRONG DATA LOG] under main menu [SETUP]. • Select "UTILITY" from the pull-down menu to execute "RESTORE". • Load correct axes configuration data (2)If it would not restore, select "RE CHECK" from the pull-down menu, and then load correct axes configuration data. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4229	ETHERNET PROCESS ERROR	1	An error occurred in the acquisition process of the IP address during the IP address monitoring process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An error occurred in the acquisition process of subnet mask during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An error occurred in the acquisition process of gateway during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error occurred in the conversion process of gateway address during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An error occurred in the conversion process of DNS server address during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An error occurred in the acquisition process of domain during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	An error occurred in the acquisition process of SNTP server during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An error occurred in the acquisition process of host name during the network service data creation process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An error occurred in the newest DNS information getting process from DHCP server in the DNS process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error occurred in the setting process to update DNS information in the DNS process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	An error occurred in the setting clearing process to update DNS information in the DNS process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		20	The subnet mask was not able to be acquired in the DHCP information update process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	Subnet mask update error occurred in the DHCP information update process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	Gateway update error occurred in the DHCP information update process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	Gateway clear error occurred in the DHCP information update process of the Ethernet function.	Setting error	(1)Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YCP21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4234	COMMUNICATION TIMEOUT (IO MODULE)	0	The IO module board connected with 0th serial bus exists.	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
		1	An error was detected in communications timeout with the I/O module board connected with 1st serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	An error was detected in communications timeout with the I/O module board connected with 2nd serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An error was detected in communications timeout with the I/O module board connected with 3rd serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MⅡ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error was detected in communications timeout with the I/O module board connected with 4th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M Ⅱ communications cable which I/O module of the corresponding node number • (In case of MⅡ communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An error was detected in communications timeout with the I/O module board connected with 5th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An error was detected in communications timeout with the I/O module board connected with 6th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The M II communications cable which I/O module of the corresponding node number • (In case of M II communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	An error was detected in communications timeout with the I/O module board connected with 7th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An error was detected in communications timeout with the I/O module board connected with 8th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An error was detected in communications timeout with the I/O module board connected with 9th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error was detected in communications timeout with the I/O module board connected with 10th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	An error was detected in communications timeout with the I/O module board connected with 11th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An error was detected in communications timeout with the I/O module board connected with 12th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	An error was detected in communications timeout with the I/O module board connected with 13th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	An error was detected in communications timeout with the I/O module board connected with 14th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	An error was detected in communications timeout with the I/O module board connected with 15th serial bus when the control power turned ON.	Setting error	(1)Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	An error was detected in communications timeout with the I/O module board connected with 1st PCI connector when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		17	An error was detected in communications with the I/O module board connected with 2nd PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	An error was detected in communications timeout with the I/O module board connected with 3rd PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	An error was detected in communications timeout with the I/O module board connected with 4th PCI when the control power turned ON.	Setting error	(1)Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
				I/O module failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4236	SPOT WELDER ERROR (NADEX)	-20	NADEX I/F board unconnected.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection with the NADEX I/F board(XFB01B-2 board).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-21	JL012 access time out.	Communication error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cable. • The communications cable for the I/O module
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-22	JL012 data setting error.	Communication error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cable. • The communications cable for the I/O module
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-23	DeviceNet response error.	Communication error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cable. • The communications cable for the DeviceNet
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-24	NADEX data sheet format error.	Software operation error occurred	The connected NADEX spot welder isn't corresponded to.Save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-25	JL012 data overflow.	Communication error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cable. • The communications cable for the I/O module
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-100	Initialization error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-102	Not found the spot welder number.	Setting error	Check the following settings. • The parameter "AxP003:The maximum number of connected spot welders".
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-111	ASW file size over.	Software operation error occurred	The connected NADEX spot welder isn't corresponded to.Save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-117	System call error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4240	TPS:ERROR		Sub Code: Welding power source number.	Error occurred in the Fronius power source.	Confirm the following content. Step1: Check what kind of the error code is expressed on the front panel of Fronius power source. Step2: Check according with the Fronius's manual.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4241	MOTOWELD SYSTEM RESET	1	Error from welder 1.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	Error from welder 6.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		302	Sub code: Error No. from welder.	Arc welding power source error	When finish system reset, Shut down the welding power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4242	MOTOWELD INPUT OVER-CURRENT	1	Error from welder 1.	Arc welding power source error	
		2	Error from welder 2.	Arc welding power source error	
		3	Error from welder 3.	Arc welding power source error	
		4	Error from welder 4.	Arc welding power source error	
		5	Error from welder 5.	Arc welding power source error	
		6	Error from welder 6.	Arc welding power source error	
		7	Error from welder 7.	Arc welding power source error	

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Error from welder 8.	Arc welding power source error	
		107	Sub code: Error No. from welder.	Arc welding power source error	
4243	MOTOWELD OUTPUT OVER-CURRENT	1	Error from welder 1.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Error from welder 4.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		701	Sub code: Error No. from welder.	Arc welding power source error	Confirm the following content. (1) Check that the torch cable or power cable is not grounded. (2)Check that the contact tip does not contact the welding work piece. (3)Check that the encoder cable is not damaged. (4)Check if the screws of the connector terminal block are securely fastened. If the encoder cable is disconnected or the screws are loosened, the wire feeding speed becomes excessively fast and an error occurs in the wire feeding amount. Replace the encoder cable or fasten the screws of the connector terminal block.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4244	MOTOWELD INPUT OVER-VOLTAGE	1	Error from welder 1.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4245	MOTOWELD EXCESSIVE TEMPERATURE	1	Error from welder 1.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	The temperature in the primary control circuit exceeds the specified value of the welding source.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.410).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		103	The temperature in the secondary control circuit exceeds the specified value of the welding source.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard (Item No.318).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	The temperature in the DC reactor exceeds the specified value of the welding source.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)In case of RL350, Check the thermal guard of DCL2 (Item No.312).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		340	The temperature in the Main board Pr (MB) exceeds the specified value of the welding source.	Arc welding power source error	(1)Check the ambient temperature (40 degrees centigrade or less) and operational ratio (60%). (2) Check if there are dust, dirt, and clogging on the dust protective filter. Clean or replace the dust protective filter if necessary. (3)Replace the Main board Pr (MB)-030(Item No. 504).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4246	MOTOWELD INPUT UNDER-VOLTAGE	1	Error from welder 1.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Confirm the input voltage.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the input voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4247	MOTOWELD WATER UNDER-FLOW	1	Error from welder 1.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		703	Sub code: Error No. from welder.	Arc welding power source error	(1)Fill up the cooling water. (2)Check the circuit of cooling water.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4248	MOTOWELD DIGITAL I/F WDG.ERROR	1	Error from welder 1.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		401	Sub code: Error No. from welder.	Arc welding power source error	
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4249	MOTOWELD DIGITAL I/F NODE ERROR	1	Error from welder 1.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		402	Sub code: Error No. from welder.	Arc welding power source error	Check the Node of the each welder power sources and robot controller.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4250	MOTOWELD DIGITAL I/F ERROR	1	Error from welder 1.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Error from welder 3.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		403	Sub code: Error No. from welder.	Arc welding power source error	Confirm the following content. (1) LAN cable is not damaged. (2) Protocol type of the VEW01 is correct. (is MOTOWELD type?)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4251	MOTOWELD DIGITAL I/F FILE# ERROR	1	Error from welder 1.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		404	Sub code: Error No. from welder.	Arc welding power source error	Set the user file number 1...16.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4252	MOTOWELD DIGITAL I/F CHIP ERROR	1	Error from welder 1.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
		405	Sub code: Error No. from welder.	Arc welding power source error	Replace the main board {Pr(MB) -024}. Contact your Yaskawa representative.
4253	MOTOWELD MACHINE TYP.ERROR1	1	Error from welder 1.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		3	Error from welder 3.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		4	Error from welder 4.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		5	Error from welder 5.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		6	Error from welder 6.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		7	Error from welder 7.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		8	Error from welder 8.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		304	Sub code: Error No. from welder.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
4254	MOTOWELD MACHINE TYP.ERROR2	1	Error from welder 1.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		2	Error from welder 2.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		3	Error from welder 3.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		4	Error from welder 4.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		5	Error from welder 5.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		6	Error from welder 6.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		7	Error from welder 7.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		8	Error from welder 8.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		305	Sub code: Error No. from welder.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4255	MOTOWELD MACHINE TYP.ERROR3	1	Error from welder 1.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		2	Error from welder 2.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		3	Error from welder 3.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		4	Error from welder 4.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		5	Error from welder 5.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		6	Error from welder 6.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		7	Error from welder 7.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		8	Error from welder 8.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		306	Sub code: Error No. from welder.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
4256	MOTOWELD MACHINE TYP.ERROR4	1	Error from welder 1.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		2	Error from welder 2.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		3	Error from welder 3.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		4	Error from welder 4.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		5	Error from welder 5.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		6	Error from welder 6.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		7	Error from welder 7.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
		8	Error from welder 8.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		307	Sub code: Error No. from welder.	Arc welding power source error	The setting of hardware or software may be not performed correctly. Contact your YASKAWA representative.
4257	MOTOWELD PANEL SW SETTING ERROR	1	Error from welder 1.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		2	Error from welder 2.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		3	Error from welder 3.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		4	Error from welder 4.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		5	Error from welder 5.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		6	Error from welder 6.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		7	Error from welder 7.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		8	Error from welder 8.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.
		303	Sub code: Error No. from welder.	Arc welding power source error	(1) Check the DIP switch setting of PR(CR) -002R1 board. (2) PR(CR) -002R1 board may be broken. Contact your YASKAWA representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4258	MOTOWELD FEEDER ERROR	1	Error from welder 1.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Error from welder 4.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		501	Sub code: Error No. from welder.	Arc welding power source error	Confirm the following content. (1)The encoder cable be not damaged? (2)Isn't there loosening of the screw of the encoder cable connection terminal block? When there are a disconnection of the encoder cable or loosening of the screw, the wire feeding speed quickens abnormally, and it becomes an abnormal amount of feeding. Replace the encoder cable or fasten the screw of the terminal block. (3)Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		331	The status of dip switch for encoder circuit is different to the encoder of the feeder motor.	Arc welding power source error	(1)Confirm the feeder motor type. (2)Check the C parameter for feeder motor is correct. (3)Check the dip switch SW700 on the Main board Pr(MB).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4259	MOTOWELD MOTOR OVER-CURRENT	1	Error from welder 1.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and coduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		502	Sub code: Error No. from welder.	Arc welding power source error	Check if the wire load becomes heavy. Make sure that the torch cable and conduit cable are not bent excessively.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4260	MOTOWELD CPU ERROR1	1	Error from welder 1.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		203	Sub code: Error No. from welder.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
4261	MOTOWELD CPU ERROR2	1	Error from welder 1.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		204	Sub code: Error No. from welder.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
4262	MOTOWELD MEMORY ERROR1	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		205	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4263	MOTOWELD MEMORY ERROR2	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		215	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4264	MOTOWELD MEMORY ERROR3	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		206	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4265	MOTOWELD MEMORY ERROR4	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		207	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4266	MOTOWELD MEMORY ERROR5	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		208	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4267	MOTOWELD MEMORY ERROR6	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		209	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4268	MOTOWELD MEMORY ERROR7	1	Error from welder 1.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
		210	Sub code: Error No. from welder.	Arc welding power source error	The data may not have been correctly saved when the welding conditions are recorded because of a power failure, etc. Reset the system after saving the changed parameters. (See the manual of MOTOWELD "4.2.10 System Reset") If the error occurs again, the board may be broken. Contact your Yaskawa representative.
4269	MOTOWELD STARTING SIGNAL ERROR	1	Error from welder 1.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		601	Sub code: Error No. from welder.	Arc welding power source error	Check again the operation timing or signal cable connections. The same error may occur at momentary power failure.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4270	MOTOWELD NO WELDING TYPE	1	Error from welder 1.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Select a correct welding process in the using the welding user file.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		602	Sub code: Error No. from welder.	Arc welding power source error	Select a correct welding process in the using the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4271	MOTOWELD VOLT.DETECT WIRE ERROR	1	Error from welder 1.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		702	Sub code: Error No. from welder.	Arc welding power source error	(1)Check if the voltage detection wire is connected. Heck if the voltage detection line or the short-circuit cap is connected to the CON7 of the MOTOWELD. (2)Check that the contact tip does not contact the work piece to be welded. Set the contact tip so as not to contact the work piece. (3)Temporary power failure may have occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4272	MOTOWELD SAFTY-CIRCUIT ERROR	1	Error from welder 1.	Arc welding power source error	Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	Contact your Yaskawa representative.
		101	Sub code: Error No. from welder.	Arc welding power source error	Contact your Yaskawa representative.
4273	MOTOWELD IGBT SHORT CIRCUIT	1	Error from welder 1.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	Sub code: Error No. from welder.	Arc welding power source error	Replace the IGBT device (Part code AJ0EL3870).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4274	MOTOWELD VOLTAGE DETECTOR ERROR	1	Error from welder 1.	Arc welding power source error	Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	Error from welder 5.	Arc welding power source error	Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	Contact your Yaskawa representative.
		110	Sub code: Error No. from welder.	Arc welding power source error	Contact your Yaskawa representative.
4275	MOTOWELD AUX. CIRCUIT OV. CURRENT	1	Error from welder 1.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
		111	Sub code: Error No. from welder.	Arc welding power source error	The board may be broken. Contact your Yaskawa representative.
4276	MOTOWELD DSP ADC ERROR	1	Error from welder 1.	Arc welding power source error	Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Error from welder 4.	Arc welding power source error	Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	Contact your Yaskawa representative.
		119	Sub code: Error No. from welder.	Arc welding power source error	Contact your Yaskawa representative.
4277	MOTOWELD OUTSIDE OF CURR.SETTING(H)	1	Error from welder 1.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Error from welder 3.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		790	Sub code: Error No. from welder.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4278	MOTOWELD OUTSIDE OF CURR.SETTING(L)	1	Error from welder 1.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Error from welder 8.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		791	Sub code: Error No. from welder.	Arc welding power source error	(1)Check if the selection of motor is correct, or confirm the settings of C parameter C09. (2)Check that the welding wire does not slip, or the wire is fed as instructed by the feeding command. (3)Check that the wire stick out is not excessively short or long. (4)Check that the range set in C parameter C29 is not too narrow. (5)Check if the wire, shielding, etc. are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4279	MOTOWELD MOMENTARY OVER-CURR	1	Error from welder 1.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		108	Sub code: Error No. from welder.	Arc welding power source error	(1)Check that short-circuit or the earth grounded of the output cable. (2)May be power circuit broken. Contact your Yaskawa representative.
4280	MOTOWELD OVER-VOLTAGE	1	Error from welder 1.	Arc welding power source error	Contact your Yaskawa representative.
		2	Error from welder 2.	Arc welding power source error	Contact your Yaskawa representative.
		3	Error from welder 3.	Arc welding power source error	Contact your Yaskawa representative.
		4	Error from welder 4.	Arc welding power source error	Contact your Yaskawa representative.
		5	Error from welder 5.	Arc welding power source error	Contact your Yaskawa representative.
		6	Error from welder 6.	Arc welding power source error	Contact your Yaskawa representative.
		7	Error from welder 7.	Arc welding power source error	Contact your Yaskawa representative.
		8	Error from welder 8.	Arc welding power source error	Contact your Yaskawa representative.
		109	Sub code: Error No. from welder.	Arc welding power source error	Contact your Yaskawa representative.
4281	MOTOWELD +15V POWER SUPPLY ERROR	1	Error from welder 1.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Error from welder 4.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		704	Sub code: Error No. from welder.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4282	MOTOWELD POWER SUPPLY ERROR	1	Error from welder 1.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Error from welder 2.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Error from welder 7.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		705	Sub code: Error No. from welder.	Arc welding power source error	Replace the switching power supply unit. (Service parts code:AJ0E35055)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4283	MOTOWELD ILLEGAL WELD TYPE	1	Error from welder 1.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Error from welder 2.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Error from welder 3.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Error from welder 4.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Error from welder 5.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Error from welder 6.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Error from welder 7.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Error from welder 8.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		406	A wrong welding process is set in the welding user file.	Arc welding power source error	Confirm the welding process setting in the welding user file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		407	A welding type is not set in a user file of the MOTOWELD.	Arc welding power source error	Set a welding type to user file of MOTOWELD. The user file can setup in the editor screen for ARC START CONDITION FILE or ARC END CONDITION FILE of the DX200.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4284	MOTOWELD SOFTWARE MULFUNCTION	310	The version of the data base is not suitable for the software of the welding power source.	Arc welding power source error	Load the suitable database.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		311	The version information of the PLD on the main board Pr(MB) is wrong.	Arc welding power source error	Replace the main board {Pr(MB) -030}.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		312	The version of the firmware of front panel is not suitable for the software of the main board Pr(MB).	Arc welding power source error	Replace the front panel {Panel-CR30 unit}.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		316	The check sum of the PLD on the main board Pr(MB) is wrong.	Arc welding power source error	Replace the main board {Pr(MB) -030}.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		317	The program or data base was load by the ethernet.	Arc welding power source error	Reboot the power source.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		318	The check sum error of loading data.	Arc welding power source error	(1)Do not turn off the power source and reload the data. (2)In case of turn off and reboot was OK, reload the data. (3)In case of turn off and reboot was NG, load the data by special loading tool. (4)Other case of step 1,2,3, replace the main board Pr(MB)-030.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		400	Watch dog error of the PLD.	Arc welding power source error	(!)reboot the power source. (2)Replace the main board {Pr(MB) -030}.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4285	MOTOWELD MACHINE SETTING ERROR	320	The machine type is wrong.	Arc welding power source error	(1)Check the connection between front panel and main board. (2)Check the status of dip switch (SW301) on the front panel. (3)Replace the front panel. (4)Replace the main board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4286	MOTOWELD CURRENT CLASS ERROR	330	The current class 350A / 500A setting is wrong.	Arc welding power source error	(1)Confirm the power source class which of 350A or 500A. (2)Switch a status of dip switch SW600 which of 350A or 500A. (3)Change the software which for correct current class.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4290	TPS:ERROR	1	no Prg Sub code[1**] shows the error code of Fronius power source 1:main error code **:sub error code	Arc welding power source error	Select a pre-programmed program. Confirm the Fronius's manual.
		2	ts1 Sub code[2**] shows the error code of Fronius power source 2:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		3	ts2 Sub code[3**] shows the error code of Fronius power source 3:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		4	ts3 Sub code[4**] shows the error code of Fronius power source 4:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		5	tp1 Sub code[5**] shows the error code of Fronius power source 5:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		6	tp2 Sub code[6**] shows the error code of Fronius power source 6:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		7	tp3 Sub code[7**] shows the error code of Fronius power source 7:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	tp4 Sub code[8**] shows the error code of Fronius power source 8:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		9	tp5 Sub code[9**] shows the error code of Fronius power source 9:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		10	tp6 Sub code[10**] shows the error code of Fronius power source 10:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		11	Errtf1 Sub code[11**] shows the error code of Fronius power source 11:main error code **:sub error code	Arc welding power source error	Change the thermo-sensor on the sec. side. Confirm the Fronius's manual.
		12	Errtf2 Sub code[12**] shows the error code of Fronius power source 12:main error code **:sub error code	Arc welding power source error	Change the thermo-sensor on the sec. side. Confirm the Fronius's manual.
		13	Errtf3 Sub code[13**] shows the error code of Fronius power source 13:main error code **:sub error code	Arc welding power source error	Check cable tree of temperature sensors. Confirm the Fronius's manual.
		14	Errtf4 Sub code[14**] shows the error code of Fronius power source 14:main error code **:sub error code	Arc welding power source error	Only for MagicWave power source. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		15	Errtf5 Sub code[15**] shows the error code of Fronius power source 15:main error code **:sub error code	Arc welding power source error	Check cable tree of temperature sensors. Confirm the Fronius's manual.
		16	Errtf6 Sub code[16**] shows the error code of Fronius power source 16:main error code **:sub error code	Arc welding power source error	Change BPS pc-board. Confirm the Fronius's manual.
		17	DSPE05 Sub code[17**] shows the error code of Fronius power source 17:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		18	ErrbPS Sub code[18**] shows the error code of Fronius power source 18:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board or otherwise change the BPS board. Confirm the Fronius's manual.
		19	Err IP Sub code[19**] shows the error code of Fronius power source 19:main error code **:sub error code	Arc welding power source error	Change the BPS board. Change the secondary diode. Change the welding transformer. Confirm the Fronius's manual.
		20	DSPAxx Sub code[20**] shows the error code of Fronius power source 20:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		21	DSPExx Sub code[21**] shows the error code of Fronius power source 21:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		22	ErrEPF Sub code[22**] shows the error code of Fronius power source 22:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		23	Err23.x Sub code[23**] shows the error code of Fronius power source 23:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		24	Err24.x Sub code[24**] shows the error code of Fronius power source 24:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		25	Err25.x Sub code[25**] shows the error code of Fronius power source 25:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual
		26	Err26.x Sub code[26**] shows the error code of Fronius power source 26:main error code **:sub error code	Arc welding power source error	Check whether the CfgMem has good contact to the connecting cables and in the plug. Re-crimp if necessary. If this does not help, remove and send to Fronius Austria, together with details of the series number of the machine. Confirm the Fronius's manual
		27	Err027 Sub code[27**] shows the error code of Fronius power source 27:main error code **:sub error code	Arc welding power source error	Measure the +24VDC of NT 24. Confirm the Fronius's manual
		28	Err028 Sub code[28**] shows the error code of Fronius power source 28:main error code **:sub error code	Arc welding power source error	Change the cooling-unit temperature sensor. Confirm the Fronius's manual

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		29	DSPC Sub code[29**] shows the error code of Fronius power source 29:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		30	EFd Sub code[30**] shows the error code of Fronius power source 30:main error code **:sub error code	Arc welding power source error	Check the wire-feed system. Confirm the Fronius's manual.
		31	Err31 Sub code[31**] shows the error code of Fronius power source 31:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		32	EcF Sub code[32**] shows the error code of Fronius power source 32:main error code **:sub error code	Arc welding power source error	Install correct primary BPS power module. Confirm the Fronius's manual.
		33	tSt Sub code[33**] shows the error code of Fronius power source 33:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		34	Errtf7 Sub code[34**] shows the error code of Fronius power source 34:main error code **:sub error code	Arc welding power source error	Change the UST board. Confirm the Fronius's manual.
		35	DSP KL Sub code[35**] shows the error code of Fronius power source 35:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		36	DSPnSy Sub code[36**] shows the error code of Fronius power source 36:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board Confirm the Fronius's manual
		37	US POL Sub code[37**] shows the error code of Fronius power source 37:main error code **:sub error code	Arc welding power source error	Change over the polarity of the two cables otherwise change the UST board Confirm the Fronius's manual
		38	-Stop- Sub code[38**] shows the error code of Fronius power source 38:main error code **:sub error code	Arc welding power source error	Deactivate the -Stop- by input -RobotReady- and activate briefly -SourceErrorReset-. Confirm the Fronius's manual.
		39	NoH2O Sub code[39**] shows the error code of Fronius power source 39:main error code **:sub error code	Arc welding power source error	Check the coolant level and (if appropriate) the coolant return-flow rate If necessary, clean the coolant filter. Rate-of-flow watchdog may be defective. Confirm the Fronius's manual.
		49	Err049 Sub code[49**] shows the error code of Fronius power source 49:main error code **:sub error code	Arc welding power source error	Check the mains power supply. Check all 3 phases. Confirm the Fronius's manual.
		50	Err050 Sub code[50**] shows the error code of Fronius power source 50:main error code **:sub error code	Arc welding power source error	Disconnect NT60 or change/check NT24/UST/BPS/intermediate circuit capacitors. Confirm the Fronius's manual.
		51	Err051 Sub code[51**] shows the error code of Fronius power source 51:main error code **:sub error code	Arc welding power source error	Mains voltage too low or NT 24 defective. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		52	Err052 Sub code[52**] shows the error code of Fronius power source 52:main error code **:sub error code	Arc welding power source error	Mains voltage too high or NT 24 defective. Confirm the Fronius's manual.
		53	ErrPE Sub code[53**] shows the error code of Fronius power source 53:main error code **:sub error code	Arc welding power source error	Low-resistance connection between secondary and machine housing find out the cause. Confirm the Fronius's manual.
		54	Err054 Sub code[54**] shows the error code of Fronius power source 54:main error code **:sub error code	Arc welding power source error	Increase the bbc (burn-back control) Switch off "Wire stick" in the set-up menu After the end of welding, make sure that the wire does not collide with the workpiece when the torch is retracted. Confirm the Fronius's manual.
		55	NoIGn Sub code[55**] shows the error code of Fronius power source 55:main error code **:sub error code	Arc welding power source error	Set a lower Ito value Keep the torch stand-off distance smaller before ignition. Confirm the Fronius's manual.
		56	Err056 Sub code[56**] shows the error code of Fronius power source 56:main error code **:sub error code	Arc welding power source error	Check how much wire is left on the spool If necessary, change the spool. Confirm the Fronius's manual.
		57	NoGAS Sub code[57**] shows the error code of Fronius power source 57:main error code **:sub error code	Arc welding power source error	Check what volume of gas is still available. Confirm the Fronius's manual.
		58	NoArc Sub code[58**] shows the error code of Fronius power source 58:main error code **:sub error code	Arc welding power source error	Check the seam. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		59	Err059 Sub code[59**] shows the error code of Fronius power source 59:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		60	Err060 Sub code[60**] shows the error code of Fronius power source 60:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		61	ErrArc Sub code[61**] shows the error code of Fronius power source 61:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		62	Err062 Sub code[62**] shows the error code of Fronius power source 62:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		63	EIF Sub code[63**] shows the error code of Fronius power source 63:main error code **:sub error code	Arc welding power source error	Check the interface configuration. Confirm the Fronius's manual.
		64	Errtf8 Sub code[64**] shows the error code of Fronius power source 64:main error code **:sub error code	Arc welding power source error	Change the thermo-sensor of the cooling unit. Confirm the Fronius's manual.
		65	hotH2O Sub code[65**] shows the error code of Fronius power source 65:main error code **:sub error code	Arc welding power source error	Cool down the cooling liquid. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		66	tJo Sub code[66**] shows the error code of Fronius power source 66:main error code **:sub error code	Arc welding power source error	Allow the JobMaster torch to cool. Confirm the Fronius's manual.
		67	ErrtJo Sub code[67**] shows the error code of Fronius power source 67:main error code **:sub error code	Arc welding power source error	Change JobMaster pc-board. Confirm the Fronius's manual.
		68	Err068 Sub code[68**] shows the error code of Fronius power source 68:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		69	Err069 Sub code[69**] shows the error code of Fronius power source 69:main error code **:sub error code	Arc welding power source error	New welding start. Confirm the Fronius's manual.
		70	Err70 Sub code[70**] shows the error code of Fronius power source 70:main error code **:sub error code	Arc welding power source error	Check gas. Confirm the Fronius's manual.
		71	Err71 Sub code[71**] shows the error code of Fronius power source 71:main error code **:sub error code	Arc welding power source error	Check the welding seam. Confirm the Fronius's manual.
		72	ErrCfg Sub code[72**] shows the error code of Fronius power source 72:main error code **:sub error code	Arc welding power source error	Check LHSB connection. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		73	noHost Sub code[73**] shows the error code of Fronius power source 73:main error code **:sub error code	Arc welding power source error	Check the connection between UST and RCU and the firmware. Confirm the Fronius's manual.
		74	Touch Sub code[74**] shows the error code of Fronius power source 74:main error code **:sub error code	Arc welding power source error	Touch sensing mode activated - no error. Confirm the Fronius's manual.
		75	Err75 Sub code[75**] shows the error code of Fronius power source 75:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		77	Err77 Sub code[77**] shows the error code of Fronius power source 77:main error code **:sub error code	Arc welding power source error	Check the wire feeding alignment if it is smooth. Confirm the Fronius's manual.
		78	E-Stop Sub code[78**] shows the error code of Fronius power source 78:main error code **:sub error code	Arc welding power source error	Close the Safety circuit and activate the Error reset. Confirm the Fronius's manual.
		79	ErrU0 Sub code[79**] shows the error code of Fronius power source 79:main error code **:sub error code	Arc welding power source error	Confirm the Fronius's manual.
		80	Err080 Sub code[80**] shows the error code of Fronius power source 80:main error code **:sub error code	Arc welding power source error	Check the connection hose pack between power source and wire feeder. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		81	tP7hot Sub code[81**] shows the error code of Fronius power source 81:main error code **:sub error code	Arc welding power source error	Allow the machine to cool. Confirm the Fronius's manual.
		82	ErrEHF Sub code[82**] shows the error code of Fronius power source 82:main error code **:sub error code	Arc welding power source error	Allow the external HF to cool down. Confirm the Fronius's manual.
		83	PHASE Sub code[83**] shows the error code of Fronius power source 83:main error code **:sub error code	Arc welding power source error	Check the mains supply cable of the power source. Confirm the Fronius's manual.
		100	UndOpc Sub code[100**] shows the error code of Fronius power source 100:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		101	PrtFlt Sub code[101**] shows the error code of Fronius power source 101:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		102	IllOpa Sub code[102**] shows the error code of Fronius power source 102:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		103	IIIIna Sub code[103**] shows the error code of Fronius power source 103:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		104	IllBus Sub code[104**] shows the error code of Fronius power source 104:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		105	Err105 Sub code[105**] shows the error code of Fronius power source 105:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		106	STKOVL Sub code[106**] shows the error code of Fronius power source 106:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		107	STKUVL Sub code[107**] shows the error code of Fronius power source 107:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		108	ErrDog Sub code[108**] shows the error code of Fronius power source 108:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		109	ASSErt Sub code[109**] shows the error code of Fronius power source 109:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
		110	EDg 1 Sub code[110**] shows the error code of Fronius power source 110:main error code **:sub error code	Arc welding power source error	Update firmware, otherwise change the UST board. Confirm the Fronius's manual.
4300	VERIFY ERROR (SERVO PARAMETER)			Setting error	(1)Reset the alarm. (2)If the alarm occurs again, check whether the setting is within the allowable range.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4301	CONTACTOR ERROR		Sub Code: Signifies the physical No. of contactor in which the alarm occurred Before performing a connection check of the wiring, turn OFF the controller power. Make sure that all the LEDs of SERVOPACK and converter are OFF, then verify that no electricity is charged using equipment such as a tester. This process may take a few minutes after shutting off the power.	YPU unit failure	(1)Reset the alarm. (2)Check the insertion and connection of the followings. • YSF22-CN217 • YPU-CN607,CN-611 (3)Check if the contactors (1KM and 2KM) are open, and not damaged by melting or sticking. (4)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the unit to be safe.
				YSF22 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4302	BRAKE CIRCUIT ERROR			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4303	CONVERTER READY SIGNAL ERROR		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YPU unit-CN604 • EAXA21 board CN507 • Converter-CN553,554,555
				YPU unit failure	(1)Reset the alarm. (2)Check if the contactors (1KM and 2KM) are open, and not damaged by melting or sticking. (3)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4304	CONVERTER INPUT POWER ERROR		Sub Code: Signifies the physical No. of converter in which the alarm occurred	YPU unit failure	(1)Reset the alarm. (2)Check if the contactors (1KM and 2KM) are open, and not damaged by melting or sticking. (3)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN08 • Converter CN551,553 • YPU-CN602
				Module failure (converter)	(1)Reset the alarm (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4305	CONVERTER CIRCUIT CHARGE ERROR		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Converter-CN556
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				Module failure (Regenerative resistor)	Check if there is no ground fault in the regeneration resistors.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4306	AMPLIFIER READY SIGNAL ERROR		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN501 to 506,CN510 • EAXB21-CN531,532,533 • Amplifier-CN581,582 • Converter-CN551,552A,552B
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, check if the LED (green) for amplifier is lighted up when servo power is ON. (3) If it is lighted, replace the converter.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the corresponding amplifier.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA/EAXB board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4307	SERVO ON DEFECTIVE SPEED		Sub Code: Signifies the axis in which the alarm occurred	Mechanical failure	Check that the manipulator is not moving when the servo turned ON.
				YBK21 board failure	Check that the brake has not been released because the brake relay is broken.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Reset the alarm (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • EAXA21-CN501 to 506 • Amplifier-CN581, CN584 • Power supply cable (Power cable) • External axis • EAXB21-CN531,532,533 • EX1SV (External axis SERVO PACK) -CN591 • Power supply cable (Power cable)
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4308	VOLTAGE DROP CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Voltage failure	Check if the primary power supply voltage is dropping.
				Connection failure	(1)Reset the alarm (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK) - CN591,592
				Module failure (converter)	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4309	DEFECTIVE ENCODER INTERNAL DATA		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. {Robot axis} • Cables between encoders • EAXA21-CN508 {External axis} • Cables between encoders • EAXB21-CN534,535,536
				Module failure (encoder)	(1)Reset the alarm. (2)If the alarm occurs again, replace the encoder.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4310	ENCODER OVERHEAT		Sub Code: Signifies the axis in which the alarm occurred	Overheated encoder	Turn OFF the DX200 power for approx. 10 minutes, then turn it ON again.
				High ambient temperature	Adjust the ambient temperature to 40 ℃ or less.
				Module failure (encoder)	(1)Reset the alarm. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA, EAXB board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4311	ENCODER BACK-UP ERROR		Sub Code: Signifies the axis in which the alarm occurred	Module failure (encoder battery)	{AL-4314 occurred} Replace the battery of the axis in which the error occurred. {AL-1327 occurred} Replace the battery of the axis in which the alarm occurred. If the home position of the corresponding axis is displayed as "***", register the home position again. AL-1327 occurs due to the battery disconnection (weak battery), causing undefined alarm data. If the alarm doesn't occur after turning the power OFF and then ON, there is no problem.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Reset the alarm. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA, EAXB board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4312	ENCODER BATTERY ERROR			Module failure (encoder battery)	Replace the battery.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Manipulator cable
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4315	COLLISION DETECT		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tool information • The selection tap of the transfer • The collision detection level • JOB • Work • The speed of JOB • The acceleration/deceleration speed of ACC and DEC • Length of the power cables • Diameter of the power cables

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Interference error	Remove the following interferences. • The interferences to the jigs of Robot. • The interferences to the jigs of workpieces. • If there is no interference between robot and workpieces, set the shock detection level to more than maximum eternal value. Up to 500% can be set.
				Acceleration limit over	This alarm occurs when excessive load is applied to the motor upon the satisfactions of all the following conditions; • The acceleration/deceleration is automatically calculated by the manipulator's position at start/end point • The JOB is stopped by category 1 stop or HOLD stop • Compared to the start/end point, excessive load is applied to the motor according to the position <Remedy> Adjust the acceleration/deceleration by ACC and DEC for the teaching position. Also, make sure to run the machine enough before operation when this alarm occurs at low temperature environment (ambient temperature: 10?)
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21- CN501 to 506,CN510 • EAXB21- CN531,532,533 • Amplifier - CN581,582 • Converter - CN551,552A,552B • EX1SV (External axis SERVO PACK) - CN591,592,595
				Connection failure	(1) If the alarm occurs again, check the wiring of phase-U, -V, and -W isn't disconnected. (2) If disconnected, replace the motor power wire.
				Connection failure	(1) Check that the motor brake wire is not disconnected. (2) If disconnected, replace the motor brake wire.
				YBK21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YBK21 board.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Maintenance failure	Measure the density of grease iron powder in the speed reducer and do the maintenance.
				Defective speed reducer	Replace the speed reducer or the grease of it.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4316	PRESSURE DATA LIMIT		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The gun pressure file • The dry spotting pressure file *Reset the pressure value in the gun pressure file below the maximum pressure value
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4317	PRELOAD ERROR		Sub Code: Signifies the axis in which the alarm occurred	Effect of external force	Adjust the gun opening.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4318	SERIAL ENCODER CORRECTION LIMIT		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cable between encoders • EAXA21-CN508 [External axis] • Cable between encoders • EAXB21-CN0534,535,536
				Module failure (encoder)	(1)Reset the alarm. (2)If the alarm occurs again, replace the encoder.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA, EAXB board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4319	PRELOAD ERROR 2		Sub Code: Signifies the axis in which the alarm occurred	Effect of external force	Move the gun axis to another position by manual operation and then turn the servo power on again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4320	OVERLOAD (CONTINUE)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tools or the mass of the workpieces
				Interference with peripheral devices	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
				Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
				YBK21 board failure	(1)Check if the power has been applied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the following cables. • The wire harness in the robot.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4321	OVERLOAD (MOMENT)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tools or the mass of the workpieces
				Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the following cables. • The wire harness in the robot.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4322	AMPLIFIER OVERLOAD (CONTINUE)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tools or the mass of the workpieces
				Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
				Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the following cables. • The wire harness in the robot.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4323	AMPLIFIER OVERLOAD (MOMENT)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tools or the mass of the workpieces
				Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
				Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the following cables. • The wire harness in the robot.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4324	CONVERTER OVERLOAD			Setting error	• Confirm that the tool and workpiece in use don't exceed the permissible load. • Adjust the JOB speed.
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21/EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4326	OVER SPEED		Sub Code: Signifies the axis in which the alarm occurred	Setting error	If the alarm occurs at the same site, check the following setting. • Set the lower motion speed around the site where the alarm occurs. If the alarm occurs for the motor gun, check the following settings. • Setting of the touch speed • Setting of the touch pressure
				Connection failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, check the wiring of phase-U, -V, and -W is correct.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4327	WRONG MOTOR ROTATION		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1Reset the alarm. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. Motor power cable • Amplifier-CN584 • EX1SV(External axis servo pack)-CN595 • Power supply cable (Power cable) Encoder cable • EAXA21-CN508 • EAXB21-CN534,535,536

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4328	SERVO TRACKING ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tools or the mass of the workpieces
				Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
				Acceleration limit over	This alarm occurs when excessive load is applied to the motor upon the satisfactions of all the following conditions; • The acceleration/deceleration is automatically calculated by the manipulator's position at start/end point • The JOB is stopped by category 1 stop or HOLD stop • Compared to the start/end point, excessive load is applied to the motor according to the position <Remedy> Adjust the acceleration/deceleration by ACC and DEC for the teaching position. Also, make sure to run the machine enough before operation when this alarm occurs at low temperature environment (ambient temperature: 10 ℃)
				Connection failure	(1Reset the alarm. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Amplifier-CN584 • EX1SV(External axis servo pack)-CN595 • Motor power wiring • Power supply cable (Power cable)
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4329	SAFETY SPEED ERROR (SERVO)	11	The motion speed at the center of the flange exceeded the specified max. speed.	Setting error	Check the following settings. • Reduction in the motion speed
				Setting error	Reset the alarm, and then try again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The motion speed at the center of the flange exceeded the specified max. speed.	Setting error	Check the following settings. • Reduction in the motion speed
				Setting error	Reset the alarm, and then try again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	The motion speed at the center of the control point exceeded the specified max. speed.	Setting error	Check the following settings. • Reduction in the motion speed
				Setting error	Reset the alarm, and then try again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	The motion speed at the center of the control point exceeded the specified max. speed.	Setting error	Check the following settings. • Reduction in the motion speed
				Setting error	Reset the alarm, and then try again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4330	BROKEN SPEED MONITOR LINE			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Speed monitor unit
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4331	SPEED MONITOR LEVEL ERROR			EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4334	OVERVOLTAGE (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591,592
				Setting error	Check the following settings. • The load mounted on the manipulator
				Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
				Module failure (Regenerative resistor)	(1)Disconnect the converter CN557 to check if there is no cable disconnection. (2)If disconnected, replace the regenerative resistor.
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4335	GROUND FAULT		Sub Code: Signifies the axis in which the alarm occurred. (If the alarm occurred at an axis which is driven by a common converter, all the subject axes are indicated.)	Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • Converter CN551,553,555 • EX1SV (External axis SERVO PACK)-CN592 ·YPU unit-CN604
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the following cables. Check the axis in which earth fault occurs in the alarm history screen. If both robot axes and external axes use the same type converter, the earth fault may occur on the external axis not the robot axis. (There is also a possibility that it is stained by water) (1) External axis cables (Power wire) (2) Traveling axis cable (Power wire) (3) Power supply cable (Robot axis, external axis) (Power wire) (4) Internal cables (Robot axis, external axis) (Power wire)
				Module failure (Regenerative resistor)	Check if there is no ground fault in the regeneration resistors.
				GND wiring failure	(1)Turn the power OFF then back ON. (2) If the alarm repeats, check the voltage of the primary power and GND. If the voltage amount on each RST varies more than 100V, review the GND setting.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (contactor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the contactor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replacing the YPU unit to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4336	OPEN PHASE (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591, CN592
				Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replacing the YPU unit to be safe.
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4337	OVERCURRENT (AMP)		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN501 to 506,CN510 • EAXB21-CN531,532,533 • Amplifier-CN581,582 • Converter-CN551,552A,552B • EX1SV (External axis SERVO PACK)-CN591,592,595
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the following cables. • Manipulator cable • Supply cable
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4338	REGENERATIVE TROUBLE (CONVERTER)		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN557 • Cable between the regenerative resistors
				Module failure (Regenerative resistor)	Replace the regenerative resistor.
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Overloading	Check that the load does not exceed the allowable limit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4339	INPUT POWER OVER VOLTAGE (CONV)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to15%).
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591,592
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4340	TEMPERATURE ERROR (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Install failure	Check that the air inlet or outlet is not blocked.
				High ambient temperature	Adjust the ambient temperature to 40°C or less.
				Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 5%).
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591,592
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4342	SV DRESS SPEED ERR		Sub Code: Signifies the axis in which the alarm occurred	Metal pieces getting into dresser blades	Check if metal pieces getting into dresser blades prevent the dresser from rotating.
				Setting error	Check if the "SPEED FLUCTUATION LIMIT" setting in TIP DRESS CONDITION file is too small.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1Reset the alarm. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Amplifier-CN584 • EX1SV(External axis servo pack)-CN595 • Motor power wiring • Power supply cable (Power cable)
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4343	SV DRESS SPEED ERR (UNDER PRESS)		Sub Code: Signifies the axis in which the alarm occurred	Metal pieces getting into dresser blades	Check if metal pieces getting into dresser blades prevent the dresser from rotating.
				Setting error	Check the following settings. • "PRESS CONDITION" setting in TIP DRESS CONDITION file is too small. (Check if they are too high.) •"SPEED FLUCTUATION LIMIT" setting in TIP DRESS CONDITION file. (Check if it is too small).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1Reset the alarm. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Amplifier-CN584 • EX1SV(External axis servo pack)-CN595 • Motor power wiring • Power supply cable (Power cable)
				YBK21 board failure	(1)Check if the power has been supplied to the brake voltage of the following terminal. Check that the brake has not been locked due to malfunction of the contactor. • YBK21-CN400 • Motor brake terminal (2) If any error is found, replace the YBK21 board.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the board to be safe.
				Module failure (amplifier)	(1)Reset the alarm. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4344	LINEAR SERVOFLOAT TRACKING ERROR			Setting error	(1)Check the settings for jobs. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4345	LNK SERVOFLOAT EXECUTE ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the settings for jobs. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4346	LNK SERVOFLOAT TRQ LIMIT ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the limit torque of the link servo float condition file. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4347	LNR SERVOFLOAT TRQ LIMIT ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the limit torque of the link servo float condition file. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4348	LNR SERVOFLOAT COORD TYPE ERROR		Sub Code: Signifies linear servo float condition file number in which the alarm occurred	Setting error	(1)Check the setting file of the job and the linear servo float. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4349	LNR SERVOFLOAT TOOL POSE ERROR			Setting error	(1)Check the setting file of the job and the linear servo float. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4350	LNR SERVOFLOAT EXECUTE ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the settings for jobs. (2)Reset the alarm.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4351	DRIVE BELT SNAP DETECT		Sub Code: Signifies the axis in which the alarm occurred	Driving belt failure	(1)Check that the driving belt is not broken. (2)If the driving belt is broken, replace the driving belt.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4352	TWIN DRIVE OVER DEVIATION		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN501 to 506,CN510 • EAXB21-CN531,532,533 • Amplifier-CN581,582 • Converter CN551, 552A,552B • EX1SV (External axis SERVO PACK)-CN591,592,595
				Connection failure (motor power)	(1) If the alarm occurs again, check the wiring of phase-U, -V, and -W isn't disconnected. (2) If disconnected, replace the motor power wire.
				Connection failure (motor brake)	(1) Check that the motor brake wire is not disconnected. (2) If disconnected, replace the motor brake wire.
				YBK21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YBK21 board.
				Module failure (amplifier)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the amplifier.
				Module failure (motor)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the motor.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4353	DEFECTIVE TAUGHT POINT (ENDLESS)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Setting of the command soft (JOB) • MRESET instruction to corresponding axis
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4354	FILE NO. ERROR (SHOCK LEVEL)		Sub Code: File number	Setting error	Do not use the collision detection file for exclusive use for the SVSPOT with the SHCKSET instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4355	EXTERNAL PRES DETECT (SERVOFLOAT)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4356	ARM CTRL PARAMETER ERR (OBSERVER)			Setting error	Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4357	IMPOSSIBLE SRCH (EQUALIZE TEACH)			Setting error	Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4358	DUPLICATED PRESS ERROR			Setting error	End the current pressuring operation, and then execute the pressuring instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4359	CONVERTER ERROR		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591,592
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4360	WAFER ALIGNMENT ERROR (SERVO)			Connection failure	Check the connection of pre-aligner.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4362	POWER SUPPLY READY ERROR (SERVO)			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN501 to 506,CN510 • EAXB21-CN531,532,533 • Amplifier-CN581,582 • Converter-CN551,552A,552B
				EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4363	BASE BLOCK SIGNAL ERROR (SERVO)			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN501 to 506,CN510 • EAXB21-CN531,532,533 • Amplifier-CN581,582 • Converter-CN551,552A,552B
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4364	GUN SOFTLIMIT		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Home position of gun axis [Released side] Reset the software limit of released side gun. (Parameter S1CxG400 or 408) [Closed side] Reset the software limit at the gun closed side. Add the moving amount of tip wear. (Parameter S1CxG400 or 408)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4365	TOUCH DETECT DATA OVER			Setting error	Check the following settings. • Home position of gun axis • "ALLOAWABLE TOUCH RANGE" in the GUN DETAIL SETTING file • "PULSE - STROKE" setting in the GUN CONDITION file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4366	GUN BEND COMPENSATION SET ERROR		Sub Code: Signifies the group in which the alarm occurred	Setting error	Check if this model is supported.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4367	ROBOT POSE ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Check the teaching position. (2)In case the alarm occurs at SVSPOT or SVSPOTMOV instruction, if you disable the gun arm bend compensation by specifying the BCOFF tag to the instruction, the alarm won't occur.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4371	SYSTEM ERROR (SERVO)	161	Automatic test data error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		250	Control filter error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		251	Control filter error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		260	Control filter error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		261	Control filter error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7101	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7102	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7103	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7104	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7105	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7106	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7107	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7108	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7109	The override ratio is invalid.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7610	Gun Auto-tuning error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4372	SERVO ON SIGNAL ERROR			Connection failure	Check the connections between YPU unit and EAXA21 board. Replace the YPU unit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4378	CANNOT EXECUTE BRAKE LINE CHECK		Sub Code: Signifies the axis in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the brake connection.
			other	other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4379	SAFETY RELAY ERROR (SERVO)		Setting error	Setting error	(1)Check the following settings. • Check the settings for CONNECTION(STO/CONTACTOR) in maintenance mode • When CONNECTION setup is CONTACTOR, check that the safety function's jumper connector is inserted in EAXA21 board CN521, or EAXB21 board CN522/523/524.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
			Connection failure	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21 board CN521(Safety function's jumper connector) • EAXB21 board CN522/523/524(Safety function's jumper connector) • YSF22 board CN217
			YSF22 board failure	YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
			EAXA21 board failure	EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
			EAXB21 board failure	EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
			other	other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4400	NOT READY (ARITH)	1	The arithmetic process for motion control did not complete within regulated time. No motion command was prepared.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The arithmetic processing section is not ready for JOG operation.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The arithmetic processing section is not ready for the playback operation.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The pre-reading processing in the arithmetic processing section has not completed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The arithmetic processing section is not ready for the timer follow-up of the conveyor tracking function.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	The pre-reading processing in the arithmetic processing section has not completed when specifying the target position.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4401	SEQUENCE TASK CONTR ERROR	1	Unused A_BANK does not exist in the pre-reading processing of move instruction.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Unused bank priority does not exist in the pre-reading processing of move instruction.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	A_BANK pointer is not set.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	A_BANK conversion could not be performed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The specified A_BANK number does not exist.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	An error occurred when system number (MSS) was obtained.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	An error occurred in RMS960 system call.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	Undefined interrupt command was received.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		23	Job start condition is not defined.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	An error occurred in instruction pre-fetch queue operation.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	Intermediate code is not defined.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		29	Instruction pre-reading processing has not been completed normally.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	An error occurred in job data change.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	The specified sequence number at job execution start is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	The added area for interruption command is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	System number (MSS) for interruption command is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	An error occurred at start of twin synchronous operation.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		39	An error occurred when SYNC specification was reset.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	An error occurred in occupation control group setting in MOTION section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		45	An error occurred in path/trace control.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	An error occurred when waiting for a completion of main system task (job) in SYNC specification.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		48	An attempt was made to execute an instruction that could not be executed at line sequence execution.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		49	An error occurred while obtaining the instruction information.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		80	An exceptional error occurred in job execution process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	Main processing command is incorrect in prereading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		101	Subprocessing command is incorrect in pre-reading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		102	Pre-reading processing has not been completed at job execution.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		103	A_BANK conversion has not been completed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		104	System number (MSS) is incorrect in pre-reading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		105	An error occurred in instruction pre-fetch queue operation in pre-reading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		106	An error occurred at IES switching in pre-reading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4402	UNDEFINED COMMAND (ARITH)			Software operation error Setting error	(1)Reset the alarm, and then try again. (2)Check the following settings. • the base-axis position must be registered for the system with base-axis MOVL P00001 BP00001 (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4404	ARITHMETIC ERROR	8	Interpolation such as linear and circular interpolation cannot be performed with this manipulator.	Setting error	(1)Check the following settings. • Change the step (move instruction), where the alarm occurred, to MOVJ.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The setting of the form data for Flip/No Flip is not "B-axis Angle. "	Setting error	(1)Check the following settings. • Set "1" to "S2C658: Type data detail settings".
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		11	An attempt was made to pass the B-axis zero degree position (singular area).	Setting error	(1)Check the following settings. •Check the teaching position of the job so that the manipulator does not pass the B-axis zero degree position (singular area).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4406	GROUP AXIS CONTROL ERROR	1	Designation error for master and slave	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Slave designation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Slave interpolation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	No designation of master axis	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Master-axis designation error for JOG motion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Slave-axis designation error for JOG motion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Occupation control error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Designation error of occupation control for JOG motion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		10	Designation error of occupation control for Bank position	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Designation error of occupation control group for tracking motion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	No master and slave designated for tracking motion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4407	TWO STEPS SAME POSITION (CIRC)			Setting error	(1)Check the following settings. • Check the settings for teaching position of circular interpolation steps so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4408	TWO STEPS SAME POSITION (SPLINE)			Setting error	(1)Check the following settings. •Check the settings for teaching position of spline interpolation step so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4409	TWO STEPS SAME POSITION (3 STEPS)			Setting error	(1)Check the following settings. • Check the settings for three taught points to create an user coordinate system so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4410	TWO STEPS SAME POSITION (WEAV)			Setting error	(1)Check the following settings. • Check the settings for taught points (start, end, and reference points) so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4411	TEACH ERROR (SPLINE)			Setting error	(1)Check the following settings. • Check the settings for the teaching position of spline interpolation section so that the distance between the teaching points is even.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4412	IMPOSSIBLE LINEAR MOTION (L/U)			Setting error	(1)Check the following settings. • Perform the teaching again to make the form of L- and U-axes same at start point and end point. • Use a MOVJ instruction again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4413	IMPOSSIBLE LINEAR MOTION (S/L)			Setting error	(1)Check the following settings. • Perform the teaching position again to make the form of S- and L-axes same at start point and end point. Use a MOVJ instruction again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4414	EXCESSIVE SEGMENT (LOW/HIGH)		Sub Code: Control group and axis	Setting error	(1)Reduce the speed in the step where the alarm occurred. (2)Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4416	PULSE LIMIT (MIN./MAX.)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4418	CUBE LIMIT (MIN./MAX.)		Sub Code: Control group and XYZ	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4420	SPECIAL SOFTLIMIT (MIN./MAX.)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4422	MECHANICAL INTERFERENCE (MIN./ MAX.)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4424	SPECIAL MECHANICAL INTRF(MIN./MAX.)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4426	PULSE MECHANICAL LIMIT(MIN./MAX.)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4428	SEGMENT CONTROL ERROR	1	RT-buffer control command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Segment-receiving control command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	No bank priority	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Answer error at MOVE simulating	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The value of bank_refresh_flag(x) exceeded its limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	RT-buffer tracking option error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The segment was received although the previous segment had not been sent.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4429	WRONG SPECIFIED CONTROL GROUP	1	Control group not designated	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Slave control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Master control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Master and Slave control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	Control-group error for a job file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Control-group error for a user coordinate file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Control-group error for a calibration file between manipulators	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Control-group error for a tool calibration file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Control-group error for prereading-calculation start point (for adv_st_pos)	Software operation error occurred	(1)Reset the alarm, and re-select the job from [select job] window before starting the job again . (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Control-group error for the current-value preset position	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Control-group error for the conveyor pre-reading calculation start point	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Occupation control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Control-group error for servo hand	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		18	Control-group error for the pre-reading calculation start point (for dm_st_pos)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	Control-group error for pre-reading calculation start point (for dm_st_pos)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4430	CPU COMMUNICATION ERROR	1	Interrupt processing error between MOTION section and system control section	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Interrupt processing error between MOTION section and SL#1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Interrupt processing error between MOTION section and SL#2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Interrupt processing error between MOTION section and SL#3	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Interrupt processing error between MOTION section and SL#4	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Interrupt processing error between MOTION section and CV#1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Interrupt processing error between MOTION section and CV#2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Interrupt processing error between MOTION section and PS#1	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Interrupt processing error between MOTION section and PS#2	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4431	JHM ERROR	1	An error occurred in JMS system call when an attempt was made to open a job.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	No space was found in job handle value storage area when an attempt was made to open a job.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	No job handle was found.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Job control proprietary is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Job control proprietary could not be changed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An error occurred in exclusive control.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4432	INSTRUCTION INTERPRETER ERROR	1	The intermediate code of the instruction that is to be executed is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Destination (variable) tag arrangement is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Tag data type is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Box number is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An error occurred in block separation processing of intermediate code.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Box number definition is duplicated.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Undefined instruction was found at block separation of intermediate code.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	IPRM is not set.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	An error occurred in tag data search process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An error occurred move instruction search process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		14	Variable information does not exist.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	An error occurred at position file data reading.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	Variable data type is not defined.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	An instruction is included with incorrect intermediate code in expression instruction.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The syntax in expression instruction is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	The tag data length is zero when tag data is read.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	The necessary tag data is not set.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	The object to be processed was secret variable in position file control process, so it could not be processed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	The object to be processed was position type variable in position file control process, so it could not be processed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		24	Job argument settings do not match when a variable is given and/or taken between jobs.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	An attempt was made to perform undefined operation at four-rule operation instruction.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	Arithmetic stack used for expression operation exceeded.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		27	Arithmetic stack used for expression operation is empty.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		28	Operation items are lacking in expression operation and operation processing cannot be performed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		254	Access mechanism for old parameters is used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		255	An exceptional error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4433	UNDEFINED GLOBAL VARIABLE	0	The set data for byte type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The set data for integer type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	The set data for double-precision integer-type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The set data for real type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The set data for character-string type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The set data for robot-axis position-type variable area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The set data for base-axis position-type variable (S1D parameter) area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The set data for station-axis position-type variable (S1D parameter) area is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4435	UNDEFINED LOCAL-VARIABLE	0	The byte type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The integer type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The double-precision integer-type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The real-number type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The character-string type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The robot-axis position-type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The base-axis position-type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The station-axis position-type variable is not defined.	Setting error	(1)Check the following settings. • Set the number of local variables to be used in the job header.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4436	LESS THAN 3 STEPS (CIRCULAR)			Setting error	(1)Check the following settings. • Perform teaching so that circulation interpolation steps are continuous three points or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4437	LESS THAN 3 STEPS (SPLINE)			Setting error	(1)Check the following settings. • Perform teaching so that spline interpolation steps are continuous three points or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4438	UNDEFINED JOB			Setting error	(1)Check the following settings. • Check if the CALL/JUMP destination job is registered. If the job is not registered, delete the JUMP instruction where an alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4439	UNDEFINED LABEL			Setting error	(1)Check the following settings. • Check if the JUMP destination label is registered. If the label is not registered, delete the JUMP instruction where alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4440	UNDEFINED RETURN JOB			Setting error	(1)Check the following settings. • If there is an illegal RET instruction in the start job, delete the RET instruction. • Check if RET instruction is not executed under the condition that there is no job in the job call stack. In that case, execute it from master (start) job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4441	LACK OF LOCAL-VARIABLE AREA			Setting error	(1)Check the following settings. • Reduce the number of local variables to be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4444	UNSUCCESSFUL FINE POSITIONING		Sub Code: Bit specification of axis where error occurred	Effect of external force	(1)Check the following settings. •Move the manipulator by the axis operation, etc. to remove the external force of axis where alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4445	DATA PRESET ERROR	1	The token for pre-reading processing could not be obtained.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The pre-reading processing has not been completed within the time, and the waiting time for completion exceeded the limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The pre-reading operation processing has not been completed within the time, and the waiting time for completion exceeded the limit.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error occurred in pre-reading operation process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	A_BANK conversion has not been completed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, turn the main power of controller off and then turn it on. Re-select the job from [selct job] window before starting the job again. (3)If the alarm occurs again even though you do above (2), save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		255	An exceptional error occurred in job execution process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4446	OVER VARIABLE LIMIT	0	The variable value exceeded the limit.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The value for the binary (0/1) data type variable exceeded the limit.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The value for the signed 1-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The value for the unsigned 1-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The value for the signed 2-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The value for the unsigned 2-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The value for the signed 4-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The value for the unsigned 4-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The value for the real-number 4-byte data type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	The value for the character-string type variable is less than the minimum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32770	The value for the signed 1-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32771	The value for the unsigned 1-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32772	The value for the signed 2-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32773	The value for the unsigned 2-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32774	The value for the signed 4-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32775	The value for the unsigned 4-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32776	The value for the real-number 4-byte data type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32782	The value for the character-string type variable exceeded the maximum value.	Setting error	(1)Check the following settings. • Check the settings for variable, and then correct the job to fall within the input range of the tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4447	DEFECTIVE TAUGHT POINT (CIRC)	1	Starting point and destination point are the same position.	Setting error	Change the teaching points so that circular interpolation points do not to same.
		2	Any points of the circular interpolation are the same position.	Setting error	Change the teaching points so that circular interpolation points do not to same.
		3	Any points of the circular interpolation are the same position as the center position.	Setting error	Change the teaching points so that circular interpolation points do not to same as the center point of circular path.
		4	The three points taught for the circular interpolation points line in a straight line.	Setting error	Change the teaching points so that circular interpolation points do not line in a straight line.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	The starting point and destination point taught for the circular interpolation points line in a straight line.	Setting error	Change the teaching points so that circular interpolation points do not line in a straight line.
		6	Rotation angle of circular interpolation is out of range.	Setting error	Change the rotation angle of circular interpolation.
		-1	Failed to calculate the circular path.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	Circular interpolation different ways in multiple robots are specified.	Setting error	Specify the same circular interpolation method to all robots.
4448	WEAVING CONTROL ERROR	1	Weaving control-group designation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	When the speed is specified by weaving time in the weaving file, zero or the negative value is set for the weaving time.	Setting error	(1)Check the following settings. • Reset the value 0.1 seconds or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	When the speed is specified by frequency in the weaving file, zero or the negative value is set for the frequency.	Setting error	(1)Check the following settings. • Reset the value 0.1 Hz or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	When the timer mode is specified in the weaving file, a negative value is set for the timer value.	Setting error	(1)Check the following settings. • Set a positive value for the timer value.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	For triangle or L-type weaving, zero is set for the vertical or horizontal distance.	Setting error	(1)Check the following settings. • Set a positive value for the vertical and horizontal distance.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The coordinate control axis designation for the reference point is different from actual control axis.	Setting error	(1)Check the following settings. • Match the control group designation of the wall point and weaving execution.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The distance between the point P and the TCP could not be calculated in wrist weaving.	Setting error	(1)Check the following settings. • Set the correct dimensions in the tool data.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The distance between the point P and the TCP could not be calculated in circular wrist weaving.	Setting error	(1)Check the following settings. • Set the correct dimensions in the tool data.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The Y-direction element of circular coordinate system for circular wrist weaving could not be calculated.	Setting error	(1)Check the following settings. • Check the settings for wall and horizontal direction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The X-direction element of circular coordinate system for circular wrist weaving could not be calculated.	Setting error	(1)Check the following settings. • Check the settings for wall and horizontal direction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		14	Weaving basic-orientation calculation error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Calculation error of horizontal- and wall-direction vector for weaving	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	Weaving synchronization file number selection range error	Setting error	(1)Check the following settings. • Check the number of the weaving synchronizing file for use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4449	UNMATCHED POSN VAR DATA TYPE			Setting error	(1)Check the following settings. • Match the data type of position type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4450	FILE NO. ERROR	1	An error occurred in tool file number check.	Setting error	(1)Check the following settings. • Confirm that the specified tool file number is 0 to 63.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An error occurred in user coordinate file number check.	Setting error	(1)Check the following settings. • Confirm that the specified user coordinate file number is 1 to 63.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An error occurred in calibration file number check between the manipulators.	Setting error	(1)Check the following settings. • Confirm that the specified robot calibration file number is 1 to 32.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error occurred in tool calibration file number check.	Setting error	(1)Check the following settings. • Confirm that the specified tool file number is 0 to 63.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An error occurred in reference point number check.	Setting error	(1)Check the following settings. • Confirm that the specified robot calibration file number is 1 to 8.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	An error occurred in check for welding start condition file number.	Setting error	(1)Check the following settings. • Confirm that the specified welding condition start file number is 1 to 48.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An error occurred in check for welding end condition file number.	Setting error	(1)Check the following settings. • Confirm that the specified welding condition end file number is 1 to 48.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An error occurred in conveyor characteristic file number check.	Setting error	(1)Check the following settings. • Confirm that the specified conveyor condition file number is 1 to 6.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	An error occurred in press characteristic file number check.	Setting error	(1)Check the following settings. • Confirm that the specified press characteristic file number is 0 to 3.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	An error occurred in conveyor calibration file number check.	Setting error	(1)Check the following settings. • Confirm that the specified conveyor calibration file number is 1 to 6.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	An error occurred in argument number check.	Setting error	(1)Check the following settings. • Confirm that the argument number is 1 to 16.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	An error occurred in check for motor gun characteristic file number.	Setting error	(1)Check the following settings. • Confirm that the specified servo gun characteristic file number is 1 to 24.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4451	UNDEFINED REFERENCE POINT		Sub Code: Reference point number in binary	Setting error	(1)Check the following settings. • Set the reference point.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4452	STACK MORE THAN 10 (JOB CALL)			Setting error	(1)Check the following settings. •Change the job configuration so that the number of nests for CALL instruction is twelve or less.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4453	OVER VARIABLE NO.		The variable number is out of range. Sub Code: The variable number which an attempt was made to use	Setting error	(1)Check the following settings. • Correct the job using the variable number within the range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4454	UNDEFINED POWER SOURCE COND.			Setting error	(1)Check the following settings. • Complete the settings for the arc welding characteristic file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4455	UNDEFINED ARC START COND FILE			Setting error	(1)Check the following settings. • Complete the settings for the welding start condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4456	UNDEFINED ARC END COND FILE			Setting error	(1)Check the following settings. • Complete the settings for the welding end condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4457	WRONG WELDER SELECTION			Setting error	(1)Check the following settings. • Check the settings for the reference unit of the welding voltage.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4459	EXCESSIVE INSTRUCTION EQUATION			Setting error	(1)Check the following settings. •Separate the operation expression, shorten the expression, and then check the settings for the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4460	ZERO DIVIDED OCCURRENCE			Setting error	(1)Check the following settings. • Do not divide by zero.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4461	UNDEFINED AUTO-WELD RELEASE COND			Setting error	(1)Check the following settings. • Check the settings for the number of times of welding release condition.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4462	UNDEFINED POSITION FOR ARC RETRY			Setting error	(1)Check the following settings. • Check the settings for the move instruction following ARCON instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4463	PARITY ERROR			Setting error	(1)Check the following settings. • Check the settings for the parity data of the user I/O group.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4464	OVER BCD RANGE			Setting error	(1)Check the following settings. • Correct the BCD data so that it is within the limit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4465	OVER BINARY RANGE (PARITY CHECK)			Setting error	(1)Check the following settings. • Correct the binary data so that it is within the limit.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4466	OFFLINE UNDEFINED COMMAND (ARITH)	0	An undefined command was issued to the offline position-data preparation section.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4467	USER COORD STEP NOT ENOUGH			Setting error	(1)Check the following settings. • Correct the JOB that the number of steps will be three or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4468	ROBOT CALIBRATION DATA ERROR	1	The calibration between manipulators cannot be executed for this model.	Setting error	(1)Check the following settings. • Do not use a coordinated motion with this manipulator.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The master group and the slave group are set to the same group.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect designation of the control group for master group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect designation of the control group for slave group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	Incorrect designation of the occupation control group for calibration data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Incorrect designation of the enabling control group for calibration data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Among three points in the master-group's calibration data, two or three points are on the same point.	Setting error	(1)Check the following settings. • Teach the data for calibration so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Among three points in the slave-group's calibration data, two or three points are on the same point.	Setting error	(1)Check the following settings. • Teach the data for calibration so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The number of the teaching points for calibration data is insufficient.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4469	ROBOT CALIBRATION FRAME ERROR	1	The calibration between manipulators cannot be executed for this model.	Setting error	(1)Check the following settings. • The calibration function between manipulators cannot be used for this model.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The master group and the slave group are set to the same group.	Setting error	(1)Check the following settings. • Set the different groups for the master group and the slave group.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Incorrect designation of the control group for master group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect designation of the control group for slave group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Calibration data setting error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4470	ROBOT CARIB STEP NOT ENOUGH			Setting error	(1)Check the following settings. • Check the settings for number of the job steps
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4471	ROBOT CALIBRATION DATA ERROR	1	Incorrect number of teaching points for tool calibration	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect designation of the occupation control group for calibration data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect designation of the enabling control group for calibration data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect designation of the control group for calibration data	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4472	ARITHMETIC ERR (COMPACT RMT WELD)	1	The reference point is not set.	Setting error	(1)Check the following settings. • Set the reference point.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The start point and end point are on the same point.	Setting error	(1)Check the following settings. •Change the teaching positions so that the start point and end point are different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The straight line which connects the start point and an end point, and the angle which the Z direction of a tool makes are less than 10°.	Setting error	(1)Check the following settings. • Correct the teaching positions so that the angle that the Z direction of the tool and the straight line which connects the start point with the end point make becomes 10 degrees or more.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4473	ARITHMETIC ALARM RESET ERROR			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4474	WRONG CONTROL GROUP AXIS		Sub Code: The related control-group	Setting error	(1)Check the following settings. • Make the setting in advance so that the control group of the CALL/JUMP designation job is included in that of the CALL/JUMP source job. • Don't start the job which including control group under already operation by "PSTART" instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4475	CANNOT EXECUTE JOB (NO ROBOT)			Setting error	(1)Check the following settings. • Add the robot axis to the control-group of the job. • When MotoPlus function (option) is used, a robot which executed SKILLSND is not defined as using MotoPlus sensor related API. Check the combination of the robot and MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4476	CANNOT EDIT (EDIT LOCK JOB)	0	An attempt was made to change the tag data.	Setting error	(1)Check the following settings. • Release the prohibition.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An attempt was made to change the speed tag data.	Setting error	(1)Check the following settings. • Release the prohibition.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An attempt was made to change the board thickness tag data.	Setting error	(1)Check the following settings. • Release the prohibition.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4477	SELECT ERROR (APPLICATION)		Sub Code: Application number	Setting error	(1)Check the following settings. • Set the application to a specified robot by the application selection of maintenance mode. • A robot which executed SKILLSND is not defined as using MotoPlus sensor related API. Check the combination of the robot and MotoPlus application. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4478	MotoPlus MM task no response			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replacing the board to be safe. After replacement, insert the CF card that has been used for the old YCP21 board to the new one. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4479	MotoPlus MM Task watch dog error			Software operation error occurred	Check if there is high priority task of MotoPlus application running long time. Especially, check if there may be the process which waits for a special condition without executing mpTaskDelay in loop process. If such process exists, suitable remedy should be done like putting mpTaskDelay in the loop process.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4480	SELECT ERROR (SENSOR 1)		Sub Code: Sensor number	Setting error	(1)Check the following settings. • Select the option function for the specified robot in the option function selection of maintenance mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4482	MotoFit COMMAND FAULT1			Setting error	(1)Reset the alarm, and make the robot speed of the instruction down. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4484	WRONG PORT NO. (ANALOG OUTPUT)		Sub Code: Application number	Setting error	(1)Check the following settings. • Set following value to the AxP010 parameter. For arc: 1 Arc + arc: 3 Three arc: 5 Four arc: 7
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4485	WRONG SELECTION (SENSOR)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4486	PATH OVER			Setting error	(1)Check the following settings. • Set the path over radius within the allowable range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4487	WRONG MECH PARAMETER FILE			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4489	DEFECTIVE TAUGHT POINT (CUTTING)	1	The C- and W-axis position at the cutting start position is not zero pulse.	Setting error	(1)Check the following settings. • Check the settings for the cutting start position (zero pulse).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Zero is set for the cutting radius.	Setting error	(1)Check the following settings. • Check the settings for radius (a value bigger than zero).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The cutting machine axis is not mounted.	Setting error	(1)Check the following settings. • The CUT instruction can be used for the manipulator with small-circle cutting axis only.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	This manipulator cannot perform a hexagonal cutting motion.	Setting error	(1)Check the following settings. • Select an other cutting form.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4490	DEFECTIVE TAUGHT POINT (ENDLESS)	1	After the Endless rotation completed, an attempt was made to execute an interpolation instruction such as MOVL and MOVC before executing an MRESET instruction.	Setting error	(1)Check the following settings. • To perform an interpolation motion such as MOVL and MOVC after an Endless rotation, execute an MRESET instruction beforehand.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The base axis is set as an Endless rotation axis. The Endless function cannot be used with the base axis.	Setting error	(1)Check the following settings. • Check the parameter setting that designates the Endless rotation axis.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An attempt was made to execute the Endless function although the endless axis was not designated.	Setting error	(1)Check the following settings. • Check the parameter setting that designates the Endless rotation axis.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The Endless axis exceeded the maximum pulse value (+-536870911).	Setting error	(1)Check the following settings. •Set the rotation amount so that the Endless axis does not exceed the maximum pulse value.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4491	CORRECTIONAL DIRECTION ERROR	1	Control-group designation error for correcting-direction preparation	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Designation error for the correcting-direction coordinates	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	When "any direction" is set for the correcting direction, the correction coordinates is not prepared.	Setting error	(1)Check the following settings. • Check the settings for the correcting direction with the reference point (REFP).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	When "any direction" is set for the correcting direction, the reference points (REFP) are taught on the same point.	Setting error	(1)Check the following settings. • Check the settings for the reference points (REFP) so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Designation error for the coordinated motion control axis at the reference point	Setting error	(1)Check the following settings. • Match the control group designation of the wall point and weaving execution.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4492	POSITION CORRECTION ERROR	1	Data unmatched between the correction amount data and the job data: The information about the control groups designated for the series of jobs, which is added to the correction amount data, does not include the valid control-group for the job.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Data unmatched between the correction amount data and the job data: The valid control-group information that is added to the correction amount data disagrees with the valid control-group for the job.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4493	OVER TOOL FILE NO.			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4494	DEFECTIVE TAUGHT POINT (WEAV)	1	The weaving start point and end point are on the same point.	Setting error	(1)Check the following settings. • Check the settings for the positions so that the weaving start point and end point are different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Among the weaving start point, end point, and reference point, two or three points are on the same point.	Setting error	(1)Check the following settings. • Check the settings for the positions so that the weaving start point, end point, and reference point are different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4495	UNDEFINED ROBOT CALIBRATION		Sub Code: Control group which calibration is not completed	Setting error	(1)Check the following settings. • Before using the coordinated motion, execute the calibration between manipulators.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4496	PARAMETER ERROR	1	The setting of the manipulator number is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Zero is set for the resolution.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Zero is set in the feedback pulse parameter.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The setting of L-axis ball-screw data is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The setting of U-axis ball-screw data is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Zero or a negative value is set for MAXPPS.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Zero or a negative value is set for the maximum acceleration speed.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Zero or a negative value is set for the maximum deceleration speed.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		9	Zero or a negative value is set for the play-mode servo averaging time.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The setting of the manipulator number is incorrect. An undefined type is designated.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The incorrect coordinate system is designated for the cubic interference. An undefined coordinate system is set.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The designation of the user coordinates number is incorrect. A number out of the setting range is set.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The reduction ratio <= 0 is output.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	Zero or a negative value is set for the spring constant.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Zero or a negative value is set for the motor inertia.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	Zero or a negative value is set for the speed calculation constant.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	Dividing number setting error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		18	The setting of allowable torque for the speed reducer is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The setting of allowable torque for the motor is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	The manipulator type is not applicable for torque acceleration/ deceleration.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	Zero or a negative value is set for the balancer.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	The angle of hexagon set for the CUT instruction is out of the range "0 degree < angle < 60 degrees."	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		23	Encoder type designation error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	Observer sampling time error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	Two-degree-of-freedom system Kp value error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		26	The setting of torque acceleration/ deceleration designation parameter is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		27	Observer polarity setting error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		28	The inertia value error for the shift value calculation	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		29	Observer attenuation constant error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Torque estimation parameter error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	The segment clock error occurred when the PV loop is 1 ms.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	Non-robot axis observer selection error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	Zero is set for the response time constant.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		34	Efficiency data error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		35	Zero is set for the averaging time constant.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		36	Torque limit ratio data error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		37	Coulomb friction data error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		38	Kinematic friction coefficient data error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		39	The setting in the optimized acceleration/deceleration designation parameter is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		40	An uninstalled function is designated.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	The dynamics-model calculation at the optimized acceleration/ deceleration is invalid.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		42	Zero is set for the inertia of dynamics fixed model.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		43	Designation error for dynamics-model calculation type	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		44	The optimized acceleration/ deceleration control of speed limit function is disabled.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		45	The axis designation parameter for the speed limit function is not set.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		46	The setting in the mode designation parameter for the speed limit function is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		47	Zero or negative value is set in the allowable braking torque parameter for the speed limit function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		48	Zero or a negative value is set in the speed adjustment ratio parameter for the speed limit function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		49	Zero or a negative value is set in the torque limit adjustment ratio parameter for the acceleration/ deceleration tuning.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	Zero or a negative value is set in the parameter that sets the shortest acceleration/deceleration time for when the excessive torque is applied at the optimized acceleration/deceleration.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		51	Zero is set for the dimension information "a3" for the SKR manipulator.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		52	The setting of sealer-gun control-group parameter for the servo sealer control is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		53	The parameter setting for the Cartesian manipulator X-axis data is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		54	The parameter setting for the Cartesian manipulator Y-axis data is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		55	The setting for the Dual-arm manipulator is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		56	Zero or a negative value is set in the FORMCUT maximum acceleration/deceleration time parameter.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		57	The setting of expanded check-point designating bits for the arm interference check is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		60	Zero or a negative value is set for the sphere at the arm interference check point.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		61	Zero or a negative value is set for the cylinder at the arm interference check point.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		62	The number of designated check points for the arm interference check is insufficient.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		70	All of X, Y, and Z value of the expanded check-point 1 for the arm interference check are set to zero.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		71	All of X, Y, and Z value of the expanded check-point 2 for the arm interference check are set to zero.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		85	The setting of wrist axis angle for tube-incorporated wrist type manipulators or three-roll wrist type manipulators is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		86	The special link JOG operation cannot be used with this manipulator.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		87	The setting in the parameter for special angle limit check designation is incorrect.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		91	The setting of the deceleration speed for the path-priority control is less than zero.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		92	A negative value is set in the roundness parameter for the path-priority control.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		93	The link parameter for the cutting device is not set.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		95	The real-time bending correction function is enabled for a control-group other than robot axis.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		96	Zero is set for the dimension information "a2" for the Arc Cell Torch Arm type manipulators.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		97	Zero is set for the deceleration ratio for double T-axis unit of the V-shaped double T-axis manipulator.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		103	"α" is replaced with "0" in SKR1-5 type robot.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		118	Wrong value in set for backlash correction function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		121	Incorrect parameter setting to inertia speed control function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		122	Incorrect acceleration/deceleration time setting at tool mass acceleration/deceleration speed correction function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		123	Incorrect coefficient/item settings at tool mass acceleration/ deceleration speed correction function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		124	No tool mas as the minimum acceleration/deceleration time at tool mass acceleration/ deceleration speed correction function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		125	Incorrect speed setting at tool mass acceleration/deceleration speed correction function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		126	Incorrect coefficient/item settings at tool mass acceleration/ deceleration speed control function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		127	No tool mass as the maximum acceleration/deceleration time at tool mass acceleration/ deceleration speed control function.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		129	An error in the standard arithmetical axis number setting for approximation model.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		130	An error in the standard expanding point number setting for approximation model.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		131	An error in the radius setting for approximation model.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		132	setting error of arithmetical axis number in D-H method.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		133	setting error of choosing no / wrong connection base arithmetical axis number in D-H method.	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		134	The higher-order acceleration/ deceleration is prohibited when using operation acceleration / deceleration	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		135	Base axis control point → Robot coordinate system off set setting prohibited	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		136	Pulse linked JOG function specification error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		137	Dual drive control specification error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		138	Notch filter supported acceleration and deceleration tuning: Notch filter function setting error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		139	Notch filter supported acceleration and deceleration tuning: Notch filter (z2) setting error	Setting error	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		147	NON ACTIVATION of Servo Simulation function error	Setting error	(1)Check the following settings. • Enable Servo Simulation Function.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		149	The setting error of vibration suppression filter for SVSPOTMOV	Setting error	(1)Check the following settings. • Confirm that the threshold value for the vibration suppression filter should be larger than the one in previous table.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		150	the setting error of time constant for the vibration suppression filter for SVSPOTMOV	Setting error	(1)Check the following settings. Confirm that the time constant for vibration suppression filter for SVSPOTMOV must be the different value of Kp.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		152	the setting error of the number for vibration suppression filter for SVSPOTMOV	Setting error	(1)Check the following settings. Confirm that the number of the tables activated for vibration filter is less than 5.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		154	The setting in the parameter for special mechanical interference is incorrect.	Setting error	(1)Check the following settings. Correct the setting value of the parameter for special mechanical interference.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4497	DEFECTIVE TAUGHT POINT (CALIB)	1	Some of the teaching points for master-group are on the same point.	Setting error	(1)Check the following settings. • Perform the teaching again so that the teaching points are different from one another.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Some of the teaching points for slave-group are on the same point.	Setting error	(1)Check the following settings. • Perform the teaching again so that the teaching points are different from one another.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The 2nd-axis positions of C3, C4, and C5 of station axes are not the same.	Setting error	(1)Check the following settings. • Perform the teaching again so that the 2ndaxis positions of C3, C4, and C5 of the station axes are the same.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The 1st-axis positions of C1, C2, and C3 of station axes are not the same.	Setting error	(1)Check the following settings. • Perform the teaching again so that the 1staxis positions of C1, C2, and C3 of station axes are the same.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The 2nd-axis positions of C1, C2, and C3 of station axes are the same.	Setting error	(1)Check the following settings. •Perform the teaching again so that the teaching positions are different from one another.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The 1st-axis rotation direction of C3, C4, and C5 of station axes are not the same.	Setting error	(1)Check the following settings. • Perform the teaching again so that the 1staxis rotation direction of C3, C4, and C5 of station axes are the same.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The 1st-axis (elevation axis) positions of C1, C2, and C3 of station axes are not the same.	Setting error	(1)Check the following settings. • Perform the teaching again so that the 1staxis (elevation axis) positions of C1, C2, and C3 of station axes are the same.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The 1st-axis (elevation axis) positions of C3, C4, and C5 of station axes are not the same.	Setting error	(1)Check the following settings. • Perform the teaching again so that the 1staxis (elevation axis) positions of C3, C4, and C5 of station axes are the same.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4498	CANNOT EXECUTE JOB (NO GRP AXIS)		An attempt was made to execute an instruction that could not be executed in a job without control group.	Setting error	(1)Check the following settings. • Check the settings for the job instruction with control group.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4499	UNDEFINED POSITION VARIABLE		Sub Code: The variable number	Setting error	(1)Check the following settings. • Check the settings for the position type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4500	UNDEFINED USER FRAME		Sub Code: User coordinate number	Setting error	(1)Check the following settings. • Check the settings for the user coordinate.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4501	OUT OF RANGE (PARALLEL PROCESS)		Sub Code: Task number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4502	SL BOARD ON-LINE ERROR		The option board was detected not to operate normally at power ON.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				YCP02 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YCP02 board. Save the CMOS.BIN before replacing the board to be safe.
4505	UNDEFINED POSITION FOR ARC ON			Setting error	(1)Check the following settings. • Register a step before the ARCON instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4506	UNDEFINED POS FOR RESTART RETURN			Setting error	(1)Check the following settings. • Check the settings for the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4507	REFP POS ERROR (SEARCH MOTION)			Setting error	(1)Check the following settings. • Perform the teaching again so that the search start point and the motion target point are not the same. • Increase the distance between the search start point and the motion target point.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4508	SPECIFIED ERROR (COORDINATE)	0	The specified coordinate system does not exist.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	Designation error of the master tool coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Designation error of the tool coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Designation error of the direction of travel coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Designation error of the any direction coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Designation error of the approximation tool coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Designation error of the conveyor coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Designation error of the COMARC coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Designation error of the power sensor coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Designation error of the cylindrical coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Designation error of the coordinate system for the external reference point. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	Designation error of the coordinate system for 3D shifting. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Designation error of the KOMATSU tool Z-direction operation coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		14	Designation error of the KOMATSU tool JOG operation coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Designation error of the coordinate system at IMOV for 3D shifting. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	Designation error of the H-LINK type cylindrical coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	Designation error of the FSER_FRAME type cylindrical coordinate system. This coordinate system cannot be used.	Setting error	(1)Check the following settings. • Check the settings for the coordinate system which can be used.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4509	MFRAME ERROR	1	The master-tool user coordinates could not be prepared.	Setting error	(1)Check the following settings. •Execute the MFRAME instruction in coordinated job when you make the master tool user coordinate.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4510	CANNOT EXECUTE INSTRUCTION (SQRT)			Setting error	(1)Check the following settings. • Check the job settings so that the second argument of SQRT instruction does not become negative.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4511	OUT OF RANGE (DROP-VALUE)		Sub Code: Control group exceeding the allowable value	Setting error	(1)Check the following settings. • Confirm the load setting to the robot.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4512	TWO STEPS SAME LINE (3 STEPS)			Setting error	(1)Check the following settings. • Check the settings so that the teaching points are not aligned in a straight line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4513	EXCESSIVE SEGMENT (SAFETY 1): LOW/HIGH		Sub Code: Control group and axis	Setting error	(1)Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4515	EXCESSIVE SEGMENT (SAFETY 2): LOW/HIGH		Sub Code: Control group and axis	Setting error	(1)Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4517	SEARCH MONITOR SET ERROR (SERVO)		Sub Code: The related control-group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4518	SEARCH MON RELEASE ERR (SERVO)		Sub Code: The related control-group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4520	AXIS BLOCKING		Sub Code: Control group	Setting error	(1)Check the following settings. • Check the settings for the general-purpose input signal set in the parameter.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4521	WRONG JOB TYPE		Sub Code 0000_0001: A robot job was started from the concurrent job at CALL/JUMP instruction execution. 0000_1001: A concurrent job was started from the robot job at CALL/JUMP instruction execution. 1000_0001: A system job was started from the robot job at CALL/JUMP instruction execution.	Setting error	(1)Check the following settings. • Check the settings for the job to be started.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4522	TAG DATA CHANGE PROCESS ERROR	0	An attempt was made to change the contents of variable tag data.	Setting error	(1)Check the following settings. • The variable tag cannot be changed. Correct the job so as not to use the variable tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An attempt was made to change the tag data for the job prohibited from being edited.	Setting error	(1)Check the following settings. • Release the prohibition.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An error occurred at instruction read-in.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The tag is not registered.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	The tag data was variable specification.	Setting error	(1)Check the following settings. • The variable tag cannot be changed. Correct the job so as not to use the variable tag.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The value which it was made to change exceeded the limit of tag data.	Setting error	(1)Check the following settings. • Check the contents of changing data.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	An error occurred at tag data change.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4523	SHARED AXES CONTROL ERROR	1	The teaching points are incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4524	CANNOT EXECUTE INST(CONCUR JOB)			Setting error	(1)Check the following settings. • Delete an instruction that cannot be executed such as move instruction in the concurrent job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4525	CANNOT EXECUTE SPECIFIED JOB	1	An interrupt job (user setting) is started up during the back operation.	Setting error	(1)Check the following settings. • Check the job so that the interrupt job will not start-up during the back operation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An suspend macro job is started up during the back operation.	Setting error	(1)Check the following settings. • Check the job so that the suspend macro job will not start-up during the back operation.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An interrupt job (inside the system) is started up during the back operation.	Setting error	(1)Check the following settings. • Check the job so that the interrupt job will not start-up during the back operation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4527	UNDEFINED PORT NO.(AOUT)			Setting error	(1)Check the following settings. • Check the settings for the specified analog output port number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4528	SYNTAX ERROR	1	A syntax error was found in the IF sentence.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4529	TWIN COORDINATED ERROR	1	A job without control group was started by SYNC instruction.	Setting error	(1)Check the following settings. • Check the control group setting of the job to be started by SYNC.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	A job only with robot axes was started by SYNC instruction.	Setting error	(1)Check the following settings. • Check the control group setting of the job to be started by SYNC.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	A job only with master control group axes was started by SYNC instruction.	Setting error	(1)Check the following settings. • Check the control group setting of the job to be started by SYNC.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	At full synchronization, the completion timings of move instructions for the master and the slave disagreed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	At full synchronization, no operation request from the master was sent.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	At full synchronization, the execution timings of move instructions for the master and the slave disagreed.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The twin synchronous ID number is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	An attempt was made to execute triple synchronization when specified Sub-master for the master was different.	Setting error	(1)Check the following settings. • Match the system number specification of the master between the job to be started by SYNC.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4530	CONVEYOR TRACKING ERROR	1	The base axis specification is other than 1 or 2 for conveyor characteristic file.	Setting error	(1)Check the following settings. • Set the base axis specification of conveyor characteristic file to either 0, 1, or 2.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	No robot axis in the job for robot axis tracking	Setting error	(1)Check the following settings. • Correct the job setting so that the robot axis tracking is executed in the job where robot axis exists.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	No base axis in the job for base axis tracking	Setting error	(1)Check the following settings. • Correct the job settings so that the base axis tracking is executed in the job where base axis exists.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The conveyor board number and conveyor characteristic file number used are incorrect.	Setting error	(1)Check the following settings. • Check the specification of conveyor condition file number for use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	There was no conveyor start position data at pre-reading processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	No base axis in the job for arc tracking	Setting error	(1)Check the following settings. • Correct the job setting so that the arc tracking is executed in the job where robot axis exists.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4531	UNDEFINED CONVEYOR COND FILE		Sub Code: Conveyor characteristic file number	Setting error	(1)Check the following settings. • Set "Use state" of conveyor characteristic file to "1: Use."
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4532	CONVEYOR SPEED DOWN		Sub Code: Conveyor number	Setting error	(1)Check the following settings. • Correct the “Conveyer Lowest Speed” set in the conveyer characteristic file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4533	ARITHMETIC ERROR (CV TRACKING)	1	Designation error of the conveyor tracking control-group	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Designation error of the user coordinates for the conveyor tracking	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An attempt was made to use the conveyor tracking function with the slave manipulator at coordinate motion.	Setting error	(1)Check the following settings. • The conveyor tracking cannot be executed to the slave manipulator of the coordinate system. Correct the job so that the conveyor tracking perform by the robot unit or without coordinated motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Zero is set for the resolution for the turn-table synchronization.	Setting error	(1)Check the following settings. • Check the settings for the resolution.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4534	TORQUE INTERFERENCE			Setting error	(1)Check the following settings. • Correctly set the weight information in the tool file. (Are the weight: W and the number set to the load value of either Xg, Yg or Zg) • Reduce the speed in the step where the alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4535	TARGET VARIABLE TYPE UNMATCHED	0	An attempt was made to obtain the byte type system variable by the other type variable.	Setting error	(1)Check the following settings. • Obtain as the byte type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An attempt was made to obtain the integer type system variable by the other type variable.	Setting error	(1)Check the following settings. • Obtain as the integer type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	An attempt was made to obtain the double-precision integer-type system variable by the other type variable.	Setting error	(1)Check the following settings. • Obtain as the double-precision integer-type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An attempt was made to obtain the real-number type system variable by the other type variable.	Setting error	(1)Check the following settings. • Obtain as the real-number type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An attempt was made to obtain the character-string type system variable by the other type variable.	Setting error	(1)Check the following settings. • Obtain as the character-string type variable.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4538	ROBOT AXIS TRACKING INVALID	0	"SYMOVJ" instruction is executed at robot-axis tracking.	Setting error	(1)Check the following settings. • Do not use "SYMOVJ" instruction in robot axis tracking.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4539	CORNER R CONTROL ERROR	1	The Corner-R motion cannot be used for coordinated motion.	Setting error	(1)Check the following settings. • Do not use the Corner-R motion for coordinated motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An attempt was made to execute the Corner-R motion for the same point.	Setting error	(1)Check the following settings. • Check the settings for the teaching so that the start step and end step are not on the same point.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The Corner-R zone is taught on a straight line.	Setting error	(1)Check the following settings. • Check the settings for teaching so that the Corner-R zone is not on a strait line.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The start position or end position for the Corner-R motion could not be calculated inside the start zone or the end zone.	Setting error	(1)Check the following settings. • Make the setting for the Corner-R radius small. • Make the moving amount of the Corner-R start step long. • Make the moving amount of the Corner-R start end long.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The Corner-R motion cannot be used for coordinated motion (with master manipulators).	Setting error	(1)Check the following settings. • Do not use the Corner-R motion for master manipulators at coordinated motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The Corner-R motion cannot be used for MOVC, MOVS, and EIMOVC instructions.	Setting error	(1)Check the following settings. • Use a MOVL instruction when using the Corner-R motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The Corner-R motion is disabled during weaving.	Setting error	(1)Check the following settings. • Do not perform weaving when using the Corner-R motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Different tool numbers are set in a Corner-R zone (for the Corner-R middle step and end step).	Setting error	(1)Check the following settings. • Use the same tool number in a Corner-R zone.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The Corner-R motion is disabled when the higher-order acceleration/deceleration is specified.	Setting error	(1)Check the following settings. • Disable the higher-order acceleration/deceleration when using the Corner-R motion.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	The Corner-R motion is disabled during conveyor tracking.	Setting error	(1)Check the following settings. • Do not perform the conveyor tracking when using the Corner-R motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	Arithmetic error occurred when calculating the acceleration and deceleration time for the Corner-R operation	Setting error	(1)Check the following settings. • Do not perform the conveyor tracking when using the Corner-R motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	Arithmetic error occurred when calculating acceleration and deceleration during test run in consideration of servo delay for the Corner-R motion.	Setting error	(1)Check the following settings. • Do not perform the conveyor tracking when using the Corner-R motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4540	JOB QUE EMPTY ERROR			Setting error	(1)Check the following settings. • Use “CALL QUE” under the condition that the job data is set to the job queue.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4541	INVALID INPUT STRING(VAL)	1	There was no character string representing a constant in character string to be extracted at VAL instruction execution.	Setting error	(1)Check the following settings. • Check the settings for the data of the character string to be extracted.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4542	MRESET ERROR	1	An MRESET instruction was executed while no endless axis was designated.	Setting error	(1)Check the following settings. • Set the endless axis.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4543	STACK LESS THAN 0 (JOB CALL)		At job return, an attempt was made to fetch a data from an empty job call stack or to stack a data in the job call stack that is full.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4544	MID$ INST ERROR	1	The first character of character string to be extracted is null at MID$ instruction execution.	Setting error	(1)Check the following settings. • Check the settings for the data of the character string to be extracted.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The extraction start position exceeds the character string length at MID$ instruction execution.	Setting error	(1)Check the following settings. • Check the settings for the data of the character string to be extracted.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4545	FOLLOWING ARITHMETIC ERROR	1	The trajectory calculation couldn't be performed since the V/T is set to less than 4.	Setting error	(1)Check the following settings. • Review tag setting of the FOLLOW2 instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The trajectory calculation couldn't be performed since total stroke volume is less than caught volume.	Setting error	(1)Check the following settings. • Review the DD= tag of the FOLLOW2 instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4546	CANNOT EXECUTE SYSTEM JOB		Sub Code: System number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4547	PRIMITIVE ERROR		Sub Code: Error code	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4548	CANNOT OPERATE SPECIFIED EVENT		Sub Code: System number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4549	NOT EXECUTION OF INIEVNT		Sub Code: System number	Setting error	(1)Check the following settings. • Execute an INIEVNT instruction before executing an event related instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4550	CANNOT EXECUTE INST(USER JOB)		Sub Code: System number	Setting error	(1)Check the following settings. • This instruction cannot be executed in the system job. Correct the job so that the instruction is executed in the user job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4551	CANNOT MEASURE TIP INSTALL COEF		Sub Code: Gun number	Setting error	(1)Check the following settings. • Execute the "SVGUNCL TWC-AE", and then execute the "SVGUNCL TWC=BE".
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4565	SOFTWARE UNMATCH	1	The multi-layer welding function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The observer function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	The TURBO function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The COMARC function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The conveyor/press synchronization function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The shared motion function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The layer motion function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The general sensor function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The servo float function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The laser cutting function (with small circle cutter) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The motor gun function (for spot welding application) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		12	The speed control function (VCON/ VCOF) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The servo hand function (for handling application) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	The laser cutting function (for form cutting operation) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	The series communication function between the systems (PSEND/ PRECV) is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	The motion extension function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	The bending function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	The ME-NET function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The MEMO-PLAY function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	The 3D-SHIFT function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		21	The Equalization function is not used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		255	An attempt was made to execute an undefined instruction.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4566	USER FRAME MAKING ERROR	1	The teaching points are incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The teaching points for user-coordinate turning are incorrect.	Setting error	(1)Check the following settings. •Among three taught points in the teaching position. Teach the three points again so that they do not lie in the straight line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The robot axis is not specified for the control group of the job to prepare the user coordinates.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Position data error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Setting error of the slave group for user coordinate conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4567	CANNOT MONITOR DISTANCE			Setting error	(1)Check the following settings. • Change the interpolation instruction to MOVL/MOVC. • Change the setting so that the arc retry or restart operation does not perform.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4568	UNDEFINED PRESS COND DATA FILE		Sub Code: Press characteristic file number	Setting error	(1)Check the following settings. • Set the status of press characteristic file to be used in the job to "Used State."
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4569	UNDEFINED PRESS RESOLUTION DATA		Sub Code: Press characteristic file number	Setting error	(1)Check the following settings. • Set the press resolution data to be used in the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4571	SERVO FLOAT MODE RELEASE ERR			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4572	NO SERVO GUN CONTROL GROUP			Setting error	(1)Check the following settings. • Set the "motor gun axis" in the control group setting of maintenance mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4573	SPOT WELDER NO. ERROR		Sub Code: Welder number	Setting error	(1)Check the following settings. • Correct the welder number set in the gun characteristic file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4574	SPOT WELD COMPLETE TIME LIMIT		Sub Code: Welder number	Setting error	(1)Check the following settings. • Turn ON the timer contactor power. • If the response from the timer takes too long time due to the system layout, increase the timeout time.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4575	ERROR IN WELD START TIMING SET			Setting error	(1)Check the following settings. • Check the settings for the "WST" tag. • Check the settings for the pressure file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4576	ERR IN MOTOR GUN CONT MODE			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4577	ERR IN MOTOR GUN MODE RELEASE			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4578	SPOT WELD ERROR		Sub Code: Welder number	Setting error	(1)Check the following settings. • Check the settings for the timer conductor where the welding error occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4579	ANTICIPATION CONTROL ERROR	1	No availability in anticipation control	Setting error	(1)Check the following settings. •Maximum simultaneous execution number of anticipation control is five. Correct the settings for the job so that it is within five.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The anticipation data exceeded the maximum length.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4580	ANTICIPATION DISTANCE NOT ENOUGH			Setting error	(1)Check the following settings. • Operate the manipulator to the start position of the step where the alarm occurred, and then re-execute.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4581	DEFECTIVE ANTICIPATION OT FILE	1	Incorrect setting of OT output number for anticipation output file	Setting error	(1)Check the following settings. • Check the setting value of OT output number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect setting of OG output number for anticipation output file	Setting error	(1)Check the following settings. • Check the setting value of OG output number.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4583	CANNOT EXECUTE GUN TYPE			Setting error	(1)Check the following settings. • Check the settings for the motion mode set to the gun.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4584	STRWAIT TIME LIMIT			Setting error	(1)Check the following settings. • Check the cause such as defective limit switch.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4585	SERVO PG ON ERROR			Connection failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Each axes encoder cable
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4587	MOTOR GUN CHANGE ERROR	1	A GUNCHG instruction was executed in the system configuration that did not allow the gun change function.	Setting error	(1)Check the following settings. • Validate the gun change parameter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	A GUNCHG/PICK instruction was executed while the motor gun motor was servo ON.	Setting error	(1)Check the following settings. • Execute GUNCHG/PICK instruction when the motor gun motor is servo OFF.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	A GUNCHG/PICK instruction was executed while the ATC was in unchuck status.	Setting error	(1)Check the following settings. • Execute GUNCHG/PICK instruction when the ATC is in chuck status.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	A GUNCHG/PLACE instruction was executed while the ATC was in unchuck status.	Setting error	(1)Check the following settings. • Execute GUNCHG/PLACE instruction when the ATC is in chuck status.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The encoder power supply could not be turned ON when executing a GUNCHG/PICK instruction.	Connection failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • The encoder cable of motor gun
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The encoder power supply could not be turned OFF when executing a GUNCHG/PLACE instruction.	Connection failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • The encoder cable of motor gun
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The gun number specified by the GUNCHG instruction did not agree with the gun identification signal.	Setting error	(1)Check the following settings. • Change the gun characteristic file number specified by GUNCHG instruction to object gun number. • Change the gun identification signal so that it become the objective gun number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The 1st gun axis selection signal is not set when executing the twin-wrist gun change.	Setting error	(1)Check the following settings. • Check the 1st gun axis selection signal setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		9	The right and left gun axis selection signals were duplicated when executing the twin-wrist gun change.	Setting error	(1)Check the following settings. • Check the setting for the gun axis selection signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The control group for gun axis is not set in the gun change job.	Setting error	(1)Check the following settings. • Check the settings for the control-group of the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Multiple manipulators are not set in the gun change job.	Setting error	(1)Check the following settings. • Check the settings for the control-group of the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4589	ABRASION BASIS POS UNSETTING			Setting error	(1)Check the following settings. • Resister the reference position of wear correction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4590	NO SERVO HAND CONTROL GROUP			Setting error	(1)Check the following settings. • Set the "servo hand axis" in the control group setting of maintenance mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4591	SPEED CTRL MODE SET ERR (SERVO)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4592	SPEED CTRL MODE CANCEL ERR(SV)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4593	SVHAND CTRL MODE SET ERR (SERVO)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4594	SVHND CTRL MODE CANCEL ERR (SV)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4595	CAN'T DO FIXED FORM CUT MOTION	1	The setting for radius is incorrect. (1) For a circle, it is incorrectly set as: radius <= 0, radius < minimum radius value, or radius > maximum radius value. (2) For an ellipse, it is incorrectly set as: radius <= 0, radius < minimum radius value/2, or radius > (maximum radius/2 - width/2).	Setting error	(1)Check the following settings. • Setting of the radius data
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The setting for width is incorrect. (1) For a rectangle, it is incorrectly set as: width < 1.0, width > sqrt (maximum diameter2 - height2), or width > maximum diameter. (2) It is incorrectly set as: width < 0, width > maximum diameter -2 * radius.	Setting error	(1)Check the following settings. • Setting of the width data
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The setting for height is incorrect. (1) For a rectangle, it is incorrectly set as: height > maximum diameter, height < minimum diameter/2, or height > sqrt (maximum diameter^2 - width^2).	Setting error	(1)Check the following settings. • Setting of the height data

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The setting for the corner radius is incorrect. (1) For a rectangle, it is incorrectly set as: corner radius > width/2 or corner radius > height/2.	Setting error	(1)Check the following settings. • Setting of the corner radius
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The setting for overlap is incorrect. (1) For a rectangle, it is incorrectly set as overlap > width/2. (2) For a circle, it is incorrectly set as overlap > ABS (2π * radius). (3) For an ellipse, it is incorrectly set as overlap > π * radius +ABS (width/2).	Setting error	(1)Check the following settings. • Setting of the overlap data
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The setting for the cutting speed is incorrect. It is set as the cutting speed > maximum linear speed.	Setting error	(1)Check the following settings. • Setting of the cutting speed
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Coordinated motion cannot be used with the Form Cutting motion.	Setting error	(1)Check the following settings. • Do not use the coordinated motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Zero or a negative value is set in the minimum diameter parameter (S1CxG063) for the Form Cutting motion.	Setting error	(1)Check the following settings. • The setting of the minimum diameter parameter (S1CxG063) for the Form Cutting motion.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Zero or a negative value is set in the maximum diameter parameter (S1CxG064) for the Form Cutting motion.	Setting error	(1)Check the following settings. • The setting of the maximum diameter parameter (S1CxG063) for the Form Cutting motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Although "PLACEMENT" or "AUTO" is set for the start point designation on the FORM CUT SETTING window, the FORMAPR instruction was not executed.	Setting error	(1)Check the following settings. • Execute the FORMAPR instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The Cut file setting of the FORMAPR instruction is different from that of the FORMCUT instruction.	Setting error	(1)Check the following settings. • The Cut file settings of FORMAPR and FORMCUT instructions must be same.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	A FORMAPR instruction was used for the conventional FORMCUT instruction.	Setting error	(1)Check the following settings. • The FORMAPR instruction cannot be used for the conventional FORMCUT instruction. • Validate the new FORMCUT instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	A form other than a circle, rectangle, and ellipse was designated for the conventional FORMCUT instruction.	Setting error	(1)Check the following settings. • A form other than a circle, rectangle, and ellipse cannot be designated for the conventional FORMCUT instruction. • Validate the new FORMCUT instruction.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		90	The radius data setting for special circular interpolation is incorrect. It is incorrectly set as the radius <= 0.	Setting error	(1)Check the following settings. • Setting of the radius data
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		91	The arc center coordinates could not be calculated at special circular interpolation. Incorrect teaching may be the cause.	Setting error	(1)Check the following settings. • Setting of the teaching
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		93	The averaging time at special circular interpolation motion is too short.	Setting error	(1)Check the following settings. • Moving distance • Motion speed
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		94	Because the designated plane included reference points at special circular interpolation motion, the arc center coordinates could not be calculated. Incorrect teaching of the reference point 2 may be the cause.	Setting error	(1)Check the following settings. • Setting of the reference point 2
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		100	The arc center position is not set for the special circular interpolation motion.	Setting error	(1)Check the following settings. • Check the settings for the reference point 1 as the arc center position.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4596	FORMCUT ERROR	1	An attempt was made to re-execute the FORMCUT instruction after interrupting it.	Execute condition failure	(1)Check the following settings. • Re-execute the move instruction executed before the FORMCUT instruction, and then execute the FORMCUT instruction again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4597	OFFLINE POSITION DATA CONVERT ERR	1	Incorrect information of reference position data for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect user-coordinate number designation in the standard position data for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect reference-point data for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The standard position data for offline position data conversion could not correctly be calculated.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Incorrect pulse incremental value for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The position data could not correctly be added by the pulse incremental value at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	Incorrect Cartesian incremental value for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The position data could not correctly be added by the Cartesian incremental value at the offline position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The position conversion could not be done in the designated coordinate system at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Incorrect incremental value of angle for offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	The position data could not correctly be added by the incremental value of angle at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The reverse shift value for 3D shifting could not correctly be calculated at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The reverse shift value for 3D shifting could not correctly be added at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	The reverse shift value could not correctly be calculated at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		15	The reverse shift value could not correctly be calculated at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		16	The 3D shifting value could not correctly be added at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	The shift value could not correctly be added at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	No reference point is specified for the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	The positions for the mirror shift function could not correctly be calculated at the offline position data conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	The positions could not correctly be converted for the mirror shift function at the offline position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		21	The expansion positions for the mirror shift function could not correctly be converted at the offline position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		22	Incorrect designation of coordinates for a new mirror-shift conversion function at the offline position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		23	Incorrect designation of the occupation control group for welding path shift function.	Software operation error occurred	(1)Reset the alarm, select [UTILITY]-[ARC SHIFT CANCEL], and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		24	The inverse shift data for welding path shift function could not correctly be calculated.	Software operation error occurred	(1)Reset the alarm, select [UTILITY]-[ARC SHIFT CANCEL], and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		25	The inverse shift data for welding path shift function could not correctly be added.	Software operation error occurred	(1)Reset the alarm, select [UTILITY]-[ARC SHIFT CANCEL], and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4598	PAINTOUT ERROR	1	The parameter setting for the universal input group number is incorrect.	Setting error	(1)Check the following settings. • Check the settings for the AxP011.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4599	SERVO COMMAND ERROR		An attempt was made to issue the command while the servo control processing has not completed. Sub Code: Servo CPU bit number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4601	UNDEFINED GUN COND FILE		Sub Code: Gun condition file number	Setting error	(1)Check the following settings. • Complete the gun condition file setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4603	WIRE STICKING		Sub Code: Welder number	Setting error	(1)Check the following settings. • Remove the cause of wire stick.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4604	SPECIFIED ERR (ABSO RECOVER AXIS)			Setting error	(1)Check the following settings. • Registration for the home position correction data.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4605	SETTOOL ERROR	1	The difference between the current tool constant and a new set value exceeded the allowable range (parameter set value).	Setting error	(1)Check the following settings. • Correct the job so that the setting value of tag is allowable value. • Set the allowance amount of the tool data automatic setting function maximum deviation (S3C1192) to large value.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4606	LACK OF GLOBAL VARIABLE AREA			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4607	WRONG EXECUTION OF MACRO INST	1	The execution macro job is not set.	Setting error	(1)Check the following settings. • Check the settings for execution macro job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The suspend macro job is not set.	Setting error	(1)Check the following settings. • Check the settings for suspend macro job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An attempt was made to start the job that could not be started by the macro instruction.	Setting error	(1)Check the following settings. • Check the settings for macro job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	An error occurred in the operation process of job call stack when the execution of macro instruction was cancelled.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Incorrect macro number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4608	WRONG EXECUTION OF GETARG INST	1	The job argument is not set.	Setting error	(1)Check the following settings. • Check the settings for jobs.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	No number of the specified job argument	Setting error	(1)Check the following settings. • Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The data types of job argument disagreed.	Setting error	(1)Check the following settings. • Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4609	MEMOPLAY ERROR	2	The memory play file was being used in another system.	Setting error	(1)Check the following settings. • Check the setting of the used memory play file number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The control group in the memory play file did not agree with the control group of execution job.	Setting error	(1)Check the following settings. • Check the control group setting of the used memory play file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	An attempt was made to clear the memory play file by a CLEAR instruction before having executed a MEMOF instruction.	Setting error	(1)Check the following settings. • Execute the MEMOF instruction, and then execute the CLEAR instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4610	MEMOPLAY SAMPLING ERROR	1	Failed to read the memory play sampling data.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Failed to write the memory play sampling data.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Failed to seek the memory play sampling data.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Failed to read the memory play file.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Incorrect mode setting at memory play sampling	Setting error	(1)Check the following settings. • Check the settings for the memory play mode.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Incorrect designation of the control group at memory play sampling	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (when the start point was specified).	Setting error	(1)Check the following settings. • Check the number of the memory play file for use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (at initialization).	Setting error	(1)Check the following settings. • Check the number of the memory play file for use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		9	designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (at continue).	Setting error	(1)Check the following settings. • Check the number of the memory play file for use.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	It started reproducing though it did not record.	Setting error	(1)Check the following settings. • Record and then play.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Correction amount to record is out of the allowable range.	Setting error	(1)Check the following settings. • Correct the position of object workpieces so that the correction amount fall within allowable range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The number of recorded correction-amount exceeded the limit.	Setting error	(1)Check the following settings. • Correct the job so that the movement section of memory play object is shorter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	Memoplay file Create error (REC)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		14	Memoplay debug error C_BANK.func_ctrl (initial)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		15	Memoplay debug error C_BANK.func_ctrl (continue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		16	Memoplay debug error C_BANK RT_BANK.func_ctrl (continue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		17	Memoplay debug error MOVL, MOVC (continue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	Memoplay debug error Same point, moving amount is zero (continue)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		19	Memoplay debug error Dividing number error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4611	OVER OPTON INST EXECUTION LIMIT			Setting error	(1)Check the following settings. • Check the settings for the OPTON instruction. OPTON instruction can use only the function to five simultaneously.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4612	TSYNC ERROR		Sub code: the number of synchronizations of the first executed TSYNC	Setting error	(1)Check the following settings. • Check the settings for the number of synchronizations of the TSYNC instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4613	SERVO SEALER GUN CONTROL ERROR	1	The function designation parameter is not set.	Setting error	(1)Check the following settings. • Check the settings for the function designation parameter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	No sealer gun axis exists at the job for which the sealer gun control was attempted to be executed.	Setting error	(1)Check the following settings. • Check the settings for the control-group of the job.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	No robot axis exists at the job at which an attempt was made to execute sealer gun control.	Setting error	(1)Check the following settings. • Check the settings for the control-group of the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect designation of the control method for sealer gun control	Setting error	(1)Check the following settings. • Set either "1" or "2" for PRM1 control method designation of the OPTON instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Incorrect designation of the control method for sealer gun control	Setting error	(1)Check the following settings. • If "1" is set for PRM1 of the OPTON instruction, set the PRM2 needle position designation to a value between 0 and 100.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Incorrect designation of the sealing width for sealer gun control	Setting error	(1)Check the following settings. • If "2" is set for PRM1 of the OPTON instruction, set PRM2 sealing width designation to a value between 0 and 30.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4614	UNDEFINED SEALERGUN COND FILE			Setting error	(1)Check the following settings. • Check the settings for servo sealer gun condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4615	I/O AXIS OPERATING		An attempt was made to command a job whose control group was in I/O axis motion.	Setting error	(1)Check the following settings. • Does not the I/O axis motion executed for the control group that executing the job? • Does not the job executed for the control group that operating by the I/O axis motion? The control group where the I/O axis is operating cannot execute the job. Moreover, the I/O axis motion cannot perform for the control group where the job is executing.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4616	AXIS SHIFT ERROR	1	The file could not be switched because of incorrect start point designation.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The control group with which the axis shifting is performed disagrees with the control group set for the axis shifting function in the calibration file.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The calibration file number for axis shifting function is out of the applicable range.	Setting error	(1)Check the following settings. • Correct the settings for the OPTON instruction tag so that value of the file number specification is 1 to 32.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4617	S/U IMPOSSIBLE MOVE (L/R POS)	1	For the CSL15D manipulator, the motion speed of S- and U-axes exceeded the upper limit.	Setting error	(1)Check the following settings. • Reduce the teaching speed of S- and U-axes. • Teach the positions of L- and R-axes again so that S- and U-axes can move.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	For the CSL15D manipulator, S- and U-axes were going to move regardless of the limit speed "0" when the positions of L- and R-axes exceeded the upper limit.	Setting error	(1)Check the following settings. • Teach the positions of L- and R-axes again so that S- and U-axes can move.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4618	SHIFT INST EXECUTE ERROR	1	For the tool shift with Euler angle ± 90 degrees, the shift value for axes other than Y-axis is set.	Setting error	(1)Check the following settings. • Check if the shift value is setting for Y-axis only.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4619	UNDEFINED JOB ENTRY TABLE		Sub Code: Designated registration number	Setting error	(1)Check the following settings. • Check the settings for the job registration table.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4620	ARM (TOOL) INTERFERENCE		Sub Code: Group(Interferening)&Axis(Interfering)&Group(Interfered)&Axis(Interfered)	Setting error	(1)Check the following settings. • Change the teaching so that the manipulators specified by sub code will not interfere with each other. • Check if the tool model (Tool interference file) of the manipulator specified by sub code is correctly set. • Check if calibration between the manipulators are correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4621	WELD COMPLETE SIGNAL ERROR		Sub Code: Welder number	Setting error	(1)Check the following settings. • Check the settings for welding completion signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4622	SELF-INTERFERENCE		Sub code: Group&Axis(Interfering)&Axis(Interfered)	Setting error	(1)Check the following settings. •Change the teaching so that each part of the manipulator specified by sub code will not interfere. •Check if the tool model (Tool interference file) displayed by sub code is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4623	WRONG EXECUTION OF GETPOS INST	1	An attempt was made to obtain the step that used a local position type variable. (The step with local position type variable cannot be fetched. Example: MOVJ LP000 VJ=25.00)	Setting error	(1)Check the following settings. • Check the settings for the GETPOS instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An attempt was made to obtain the step that used a local position type variable. (The step with local position type variable cannot be fetched. Example: MOVJ LP000 VJ=25.00)	Setting error	(1)Check the following settings. • Check the settings for the GETPOS instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The specified step did not exist.	Setting error	(1)Check the following settings. • Check the settings for the GETPOS instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4624	PLUG VOLUME SETTING ERROR			Setting error	(1)Check the following settings. • Check the setting for the amount of fillings.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4625	WRONG EXECUTION OF LOADDB INST	1	No file	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	No directory	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	There was no directory entry after this point.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-1	No file name	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-2	File presence error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-3	Incorrect file name	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-4	The disk is full.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-5	The directory is full.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-6	I/O error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-7	Invalid handle	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-8	Handle overflow	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-9	File has already been opened.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-10	File attribute error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-11	Open mode error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-12	The hardware disk with large capacity is used.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-14	The door is open.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-15	The disk is write-protected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-30	Card controller access error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-31	No card	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-32	Card drive information readout error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-33	Partition table error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-34	No drive number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-35	No specified partition number	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-36	Cluster size error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-37	Incorrect number of sectors	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-38	Sector/byte error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-40	Card not applicable for I/O	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-41	Unsupported version	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-42	The setting register did not exist.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		-43	Card not applicable for ATA	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-44	Double chain error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-45	Media error (not fixed disk)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-50	ATA command incomplete	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-51	Sector read command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		-52	Sector write command error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4626	IMPOSSIBLE S-AXIS MOV (IN SPHERE)			Setting error	(1)Check the following settings. • Check the settings for the limit distance for S-axis rotation center motion (S1CG067).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4627	GUN RECOGNITION SIGNAL OFF		Sub Code: Gun number	Setting error	(1)Check the following settings. • Check the settings for the gun identification signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4628	WRITE VARIABLE NO. MULTI SETTING		Sub Code: Duplicated variable number	Setting error	(1)Check the following settings. • Check the settings for the written destination variable numbers.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4629	GROUP CHANGE ERROR	1	The group change parameter was invalid.	Setting error	(1)Check the following settings. • Validate the group change parameter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The GRPCHG instruction was executed while the external axis motor was servo ON.	Setting error	(1)Check the following settings. • Execute the GRPCHG instruction when the external axis motor was servo OFF.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The GRPCHG instruction was executed in unchuck status.	Setting error	(1)Check the following settings. • Execute the GRPCHG instruction in chuck status.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The group identification signal was not received.	Setting error	(1)Check the following settings. • Check the settings for group identification signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The specified control group number and the group identification number were unmatched.	Setting error	(1)Check the following settings. • Check the settings for the specified control group number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The encoder PG power supply was OFF when the GRPCHG was ON.	Setting error	(1)Check the following settings. • Turn ON the encoder PG power supply when GRPCHG is ON.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7	The encoder PG power supply was ON when the GRPCHG was OFF.	Setting error	(1)Check the following settings. • Turn OFF the encoder PG power supply when GRPCHG is OFF.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The control group that corresponded to the received group identification signal did not exist.	Setting error	(1)Check the following settings. • Check the settings for group identification signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4630	DUPLICATED GUN NUMBER		Sub Code: The overlapped gun number	Setting error	(1)Check the following settings. • Check the settings for gun numbers.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4631	DEFECTIVE OPERATION VELOCITY		Sub Code: Control group and axis	Setting error	(1)Check the following settings. • Check if the speed is hold down by the speed override and special operations etc.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4632	UNDEFINED LNR SCALE FILE		Sub Code: Linear scale characteristic file number	Setting error	(1)Check the following settings. • Complete the settings for the linear scale condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4633	FOLLOWING ERROR	1	An error occurred when executing a FOLLOW instruction. An attempt was made to re-execute the FOLLOW instruction after interrupting it.	Setting error	(1)Check the following settings. •Re-execute the move instruction executed before the FOLLOW instruction, and then execute the FOLLOW instruction again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4634	FOLLOWING SPEED OVER			Setting error	(1)Check the following settings. • Reduce the bending speed. • Reduce the manipulator moving distance.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4635	CANNOT EXECUTE COMMON JOB		Sub Code: The related control-group	Setting error	(1)Check the following settings. • Check the settings for control group specified by the CALL instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4636	THICKNESS ERROR		Sub code: Gun number	Setting error	(1)Check the following settings. • Weld the spot by thickness within allowable range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4637	TRACK CHG WORK IN/ NOT NOT FOUND		Sub Code: Conveyor characteristic file number	Setting error	(1)Check the following settings. • Check the workpiece presence/absence and data settings for the synchronization section.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4638	TRACKING CHG WORK ID NOT FOUND		Sub Code: Conveyor characteristic file number	Setting error	(1)Check the following settings. • Check the workpiece presence/absence and data settings for the synchronization section.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4639	SYMOVJ INST EXECUTE ERROR	2	The conveyor moving amount is not specified for the SYMOVJ motion.	Setting error	(1)Check the following settings. • Set the conveyor moving amount for the SYMOVJ motion.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	An error occurred in the preparation process of the manipulator motion start position for the SYMOVJ motion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	An error occurred in the preparation process of the manipulator motion end position for the SYMOVJ motion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4640	WRONG EXECUTION OF PSTART INST	1	No axis data of control group to be disconnected	Setting error	(1)Check the following settings. • Check the settings for PSTART instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An attempt was made to disconnect a control group other than the occupation control group during pre-reading processing.	Setting error	(1)Check the following settings. • Check the settings for PSTART instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	An attempt was made to disconnect a control group other than the occupation control group when executing a PSTART instruction.	Setting error	(1)Check the following settings. • Check the settings for PSTART instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4641	CANNOT EXECUTE JOB (SEPARATE GRP)		Sub Code: The disconnected control group used by a move instruction	Setting error	(1)Check the following settings. • Correct the teaching so that the control group disconnected by itself is not to operate for move instruction of own system.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4644	SPOT WELDER I/F ERROR (ASW)	8	The controller could not send an instruction to the welder because the welder was busy in processing.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • DENGENSHA welding I/F board • NADEX DeviceNet cable
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	Welding current error at welding is completed successfully.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Abnormal code error at welding is completed successfully.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Welding command process exceptional error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		102	The specified welder number (system) could not be found.	Setting error	(1)Check the following setting. • Confirm the specified welder number (system) and the setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4645	NOT PERMIT FIXED-WEAV ON SWVON			Setting error	(1)Check the following setting. • Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4648	FILE TRANSFER ERROR (ARITH)	1	Motion range file transfer error	Setting error	(1)Check the following setting. • Check if the motion range file is correctly set.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Part motion range file transfer error	Setting error	(1)Check the following setting. • Check if the part motion range is correctly set.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4649	PARTIAL MOTION RANGE INTRF.		Sub Code: Interference control group number & interference axis & interference area number.	Setting error	(1)Check the following setting. • Check the setting of the teaching position of the manipulator.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4650	TRQ CLEAR ERROR			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4651	PALLETIZING EXECUTE ERROR	1	The setting of the palletizing condition configuration file is incomplete.	Setting error	(1)Check the following settings. • Set the palletizing condition setting file to "Completed".
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Palletize completion universal output number range exceeds the limit.	Setting error	(1)Check the following settings. • Change the palletize completion universal output signal number of the palletizing condition setting file in the user output signal point of contact number.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	During the palletize start instruction execution, the palletize start instruction is executed again (double execution).	Setting error	(1)Check the following settings. • Delete the palletize start instruction in the palletize section.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The value of the palletizing number present value output register (or I variable) is more than the total number output register (or I variable).	Setting error	(1)Check the following settings. • Check if the palletizing number of current position output register (or I variable) and total number of output register (or I variable) is not changed by another function.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Palletize completion universal output signal is turned ON at palletize start instruction execution.	Setting error	(1)Check the following settings. • Reset the palletize completion universal output signal.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Palletize end instruction is not registered.	Setting error	(1)Check the following settings. • Register the palletizing end instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4652	TRQ MEASURE MODE SET ERR (SV)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4653	TRQ MEASURE MODE CANCEL ERR (SV)			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4654	WRONG EXECUTION OF SETREG INST	1	An attempt was made to change the value of the analog input register.	Setting error	(1)Check the following settings. • The SETREGM instruction cannot change the analog input register values. Correct the setting of tag that specifies register number of SETREG instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	An attempt was made to change the value of the register currently used by TMR/CNT.	Setting error	(1)Check the following settings. • The SETREGM instruction cannot change the register values used in TMR/CNT. Correct the setting of tag that specifies register number of SETREG instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		65535	An attempt was made to change the value of the register currently used by TMR/CNT.	Setting error	(1)Check the following settings. • Correct the setting of tag that specifies register number of SETREG instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4655	WRONG EXECUTION OF GETREG INST	65535	An attempt was made to acquire the value of the register not existing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4656	WRONG EXECUTION OF SETPRM INST	1	An attempt was made to change a parameter other than the cube-related parameter.	Setting error	(1)Check the following settings. • The SETPRM instruction cannot change the parameter values other than the parameter related to the cube. Correct the setting of tag that specifies parameter number of SETPRM instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	The SETPRM instruction was executed while another system was in execution.	Setting error	(1)Check the following settings. • The SETPRM instruction cannot execute while another system is operating. Correct the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4657	WVADJ ERROR	1	The correction amplitude value did not fall in the limit range.	Setting error	(1)Check the following settings. • Correct the settings for "groove width correction limit value" specified for S2C1259 and 1260.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4658	OVER SPEED LIMIT	1	The taught speed was going to exceed the limit during the multi arm simultaneous operation.	Setting error	(1)Check the following settings. • Reduce the teaching speed of the step where the alarm occurred to the speed limit or less.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4659	TIP DRESS WATCH SET ERROR			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4660	TIP DRESS WATCH CANCEL ERROR			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4661	MEMORY ERROR (PRESS COND FILE)		Sub Code: File number	Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the press characteristic file in maintenance mode, and then load the press characteristic file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4662	PRESS SYNCHRONOUS ERROR	5	Unable to set the correction data for the press synchronous control.	Setting error	The alarm occurs if the MOVE instruction except MOVJ with ENC tag is operated during Press synchronous control. Reset the press synchronous control by the following operations to operate the MOVE instruction expect MOVJ with ENC tag. • Confirm that press machine and robot must be stopped • Make Specific Input PRESS SYNC OFF(#41010) ON • Confirm that the Specific Output PRESS SYNC (#50683) is OFF.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4666	UNDEFINED WELD LENGTH CHECK FILE			Setting error	(1)Check the following settings. • Complete the settings for the weld length check condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4667	DEFECTIVE GUN PRESSURE FILE		Sub Code: Gun pressure file number	Setting error	(1)Check the following settings. • Match the number of "END WAIT" in the gun pressure file, and the number of "Welding Conditions(WTM)" in the instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4668	MEMORY ERROR (PREVENTION FILE)			Data error	(1)Reset the alarm. (2)If the alarm occurs again, initialize the maintenance prevention file in maintenance mode, and then load the maintenance prevention file saved in the external memory device.
				YCP21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YCP21 board. Save the CMOS.BIN before replace the board to be safe. Replace the YCP21 board, and then insert the CF card which inserted original YCP21 board into the new YCP21 board.
				YIF01 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN saved before alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4669	DETECT BRAKE SLIP		Sub Code: Signifies the axis in which the alarm occurred	Module failure (motor)	(1)Reset the alarm. (2)If the alarm occurs again, replace the motor. (3)If the alarm of "external brake" is occurred, replace the external brake.
				Setting error	(1)Reset the alarm. (2)Check the following settings. ?Check torque value
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4670	INSUFFICIENT NUM OF SAMPLE DATA		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Reset the alarm. (2)Lengthen the measurement section.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4671	SAMPLE BUFFER OVER FLOW		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Reset the alarm. (2)Shorten the measurement section.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4672	BASIC SPEED UNREACHED		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Reset the alarm. (2)Increase the speed specification value of a measurement job or set a small value for BASICV. Or set a small value for BASICT, or lengthen the measurement section.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4673	MAX TRQ UNDETECTED		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1)Reset the alarm. (2)Set a large value for the BASICT, and then check again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4674	SETE ERROR	1	An attempt was made to set tool for base/station-axis position-type variable.	Setting error	(1)Check the following settings. • Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4676	BROKEN FAN FUSE	1	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		8	Sub Code 1to 8: Signifies the EAXA/EAXB board No. in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
				Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4677	IMPOSSIBLE LINEAR MOTION		Sub Code: Control group and axis	Setting error	(1)Check the following settings. • If the sub code display is L- and U-axes, perform the teaching again to make the form (arm folded direction) of L- and U-axes same at start point and end point. • If the sub code display is S- and L-axes, perform the teaching again to make the form (arm folded direction) of S- and L-axes same at start point and end point. • Change the teaching move instruction to MOVJ instruction. * Be careful to the peripheral interference since its movement changes.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4678	SPOT MONITOR DATA ERROR		Sub Code: Internal control error in software	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, initialize the database of spot weld history. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4680	F-SAFE COMMAND ERROR (YCP21)		The previous command was not completed. Sub Code: Functional safety board station number.	Software operation error occurred	Reset the alarm, and then try again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4681	OVER SPEED (MainCPU)		Sub Code: Control group and axis	Setting error	(1)Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4684	INTERPOLATION INVALID		Sub Code: Control group	Setting error	(1)Check the following settings. • At the Cartesian jog operation, switch to each-axes jog operations, and then change the orientation of manipulator. • Change the teaching position and orientation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4685	F-SAFE WRITE ERROR	0	An error occurred in the parameter write operation.	Data error	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	An error occurred in the file write operation.	Data error	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Write request has timed out.	Software operation error occurred	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4692	F-SAFE ENCODER BACKUP ERROR			Encoder battery failure	(1)Reset the alarm. (2)If AL4311 occurred simultaneously with this alarm, execute the trouble shooting for the AL4311.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4693	F-SAFE READBACK PROC. ERROR	0	Readback value of CPU1 and CPU2 mismatch.	Data error	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	Another readback request was issued to the readback process. (Parameter)	Software operation error occurred	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Another readback request was issued to the readback process. (File)	Software operation error occurred	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect file type.	Data error	(1)Reset the alarm. (2)Try the write operation again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Incorrect file number.	Data error	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Incorrect write data.	Data error	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Process order error.	Software operation error occurred	(1)Reset the alarm. (2)Try the write operation again.
				YSF25 board failure	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4696	TURN TABLE CALIBRATION ERROR	1	There was the same point in three points where the calibration had been executed.	Setting error	(1)Check the following settings. • Correct the calibration position so that each point is different.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	The three points where the calibration had been executed lie in a straight line.	Setting error	(1)Check the following settings. •Check the calibration position so that the three taught points are not aligned in a straight line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The three points where the calibration had been executed lie in a straight line.	Setting error	(1)Check the following settings. •Check the calibration position so that the three taught points are not aligned in a straight line.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4697	OFFLINE ARM BEND POS CONVERT ERR	1	Incorrect information of standard position data for offline arm bend position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Incorrect user-coordinate number in the standard position data for offline arm bend position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Incorrect reference-point data offline arm bend position data conversion	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	The position data could not be converted correctly/conversely for the standard position data at the offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Incorrect pulse incremental value for offline arm bend position data conversion	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	The position data could not be converted correctly for the pulse incremental value at the offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Incorrect Cartesian incremental value for offline arm bend position data conversion	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The position data could not be converted correctly for the Cartesian incremental value at the offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	The position conversion could not be done in the conversion data for offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Incorrect incremental value of angle for offline arm bend position data conversion	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		11	The position data could not be converted correctly for the incremental value of angle at the offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	The gravity moment for offline arm bend position data conversion could not be calculated.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	The position data could not be converted correctly for the revised conversion data at the offline arm bend position data conversion.	Setting error	(1)Check the following settings. • The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4698	SHIFT VALUE MAKING ERROR	1	Reference position and target position occupation control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Reference position and target position enabling control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	The position data type is not applicable.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Coordinated control-group error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		5	User coordinates number on the specified tag side error	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4699	SYSTEM ERROR 1 (RSC1)		Sub Code Internal control error in software	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4700	SYSTEM ERROR 2 (RSC1)		Sub Code Internal control error in software	Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4701	MEMORY ALLOCATION ERROR			Software operation error occurred	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4703	F-SAFE OPERATION MODE ERROR			Data error	(1)Change the teach mode. (2)Reset the alarm, and then try again. (3)If the alarm occurs again, set to home position.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the unit to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4707	TIMING CONTROL ERROR	1	Control data error occurred at pre-reading. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Control data error occurred. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Index number of the target does not exist. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Bank number of the target does not exist. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Control data size over. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Control index overflow. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The control-group of surveillance does not exist. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Instruction index overflow. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		9	An error occurred when calculate a feedback position. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	The control-group of the target which supervises a position does not exist. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	Waiting time exceeded the limit. (Function the timing control)	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4708	MOTOR GUN AUTO TUNING INCOMPLETE		Sub Code: Gun number	Setting error	Please complete the setting of MOTOR GUN AUTO TUNING FILE as the following operations. 1. choose [SPOT WELDING] ->[MOTOR GUN AUTO TUNING]. 2. change the mode to PLAYBACK, then push [EXECUTE]. 3. select [REGIST], after the setting of MOTOR GUN AUTO TUNING FILE completes.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4709	WELD COMPLETE SIGNAL OFF		Sub Code: Welder number	Setting error	(1)Reset the alarm, and then try again. NOTE) When trying the job again, the manipulator returns to the previous welding point where the spot welding wasn't completed normally and welds again there. (2)If the alarm occurs again, check the following setting of the timer. • Decrease the offset time of opening the gun.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4710	WELDER ERROR			Welding power failure	It will be automatically reset after 10 seconds. Then, start again.
				Welding power failure	Turn the primary power of welding power OFF then back ON
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4711	24V FUSE BLOWN (EW-BOARD)			Parts failure	Replace the fuse on the YEW board.
				Board failure	Replace the YEW board of the corresponding station.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4712	24V DETECT CIR ERR (EW-BOARD)"			Board failure	Replace the YEW board of the corresponding station.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4713	EXT 24V POWER ERR (EW-BOARD)			Connection failure	Check if the 24V line that is input for YEW board is correctly wired.
				Unit failure	Replace the unit that supplies with the external 24V power.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4714	18V LINE BROKEN (EW-BOARD)			YEW01 board failure	Replace the YEW board of the corresponding station.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4715	CIP MESSAGE SERVER FUNC ERROR	1	Failed in the generation of the CIP server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Failed in the ID take of the CIP server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Failed in the generation of the class entry table.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Library initialize error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Failed in the generation of the access process.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Detect undefined error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		20	Detect sever function started processing.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Detect request error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		31	Detect memory error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	Detect mail send error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		33	Detect CIP answer error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		40	Detect CIP server task mail receive error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		41	Detect CIP server task request data error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		50	Detect CIP server task send error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4716	BINARY ETHERNET SERVER FUNC ERR	1	Detect message library initialize error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Failed in the generation of the RC connect management task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Failed in the generation of the RC server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		4	Failed in the generation of the file server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1040	Failed in the request take of the RC connect management task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1041	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1042	Received data area overflow.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1043	Failed in the request error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1044	Failed in the request error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1059	In a RC connect management task, undefined error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1060	Failed in the ID take of the RC server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1061	Failed in the mail take of the RC server task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		1062	In a RC server task, request mail data error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1063	Answer data area overflow.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1064	In a RC server task, receive data area overflow.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1079	In a RC server task, undefined error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1080	In a file server task, mail receive error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1081	In a file server task, request mail data error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1082	In a file server task, request error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1083	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1084	In a file server task, receive data area overflow.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2045	In a RC connect management task, send error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2046	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2065	Detect RC server task send error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2066	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2085	Detect file server task send error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2086	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2087	In a file server task, answer data error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2088	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2089	In a file server task, answer data area overflow.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2098	Failed in the status error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2099	In a file server task, undefined error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3090	In a file sever task, file close error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4718	BINARY ETHERNET CLIENT FUNC ERR	1	Detect message library initialize error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Failed in the generation of the file function task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Failed in the generation of the RC function task.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Detect I/F data error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Detect undefined error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		110	In a file task, undefined error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		510	In a RC task, undefined error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		511	In a RC task, request command error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		512	In RC task, there is not the class entry of the request command.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		513	In RC task, there is not the service entry of the request command.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1130	In a high speed Ethernet task, request mail error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1131	In a high speed Ethernet task, request command error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1132	In a file task, mail receive error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2140	In a file task, file reading error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2141	In a file task, file writing error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3150	In a file task, request send error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3151	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3160	In a file task, reply packet clear error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3161	Failed in the take of the reply packet data error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3162	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3163	In a file task, time out occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3164	In a file task, receive data area overflow occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3165	In a file task, received data unmatched.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3166	In a file task, receive data size overflow occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3167	In a file task, received data size set to zero occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3168	In a file task, reply head error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3169	In a file task, reply status error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5530	In a RC task, interface request error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5531	In a RC task, interface answer error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5532	In a RC task, interface data area overflow occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5533	In a RC task, interface data writing error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6540	In a RC task, time out occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6541	Detect data error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6542	Detect exclusive process error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6543	Detect time out.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6544	Setting error	Setting error	(1)Reset the alarm, and confirm whether the following parameter is set to zero. • S2C541 • S2C542
			Detect data error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6545	Detect exclusive process error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7550	In a RC task, request send error occurred.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7551	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7560	In a RC task, reply packet error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7561	In a RC task, reply take error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		7562	Failed in the endian conversion.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7563	Detect time out.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7564	In a RC task, receive data area overflow detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7565	In a RC task, received data unmatched.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7566	In a RC task, received data size over.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7567	In a RC task, receive data size zero detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7568	In a RC task, reply head error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7569	In a RC task, reply status error detected.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4719	VIB SUPPRESSION FLT TIME OUT			Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4721	IMPROPER TOOL FILE SETTING		Sub Code: Control group number & tool data & tool number.	Setting error	(1)Reset the alarm. (2)Check the following settings. • Select a sub menu [TOOL] under main menu [ROBOT]. • Select the coordinate window of the number specified by sub code (tool number). • Set "0" to the coordinate data specified by sub code (tool data).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4730	CANNOT EXECUTE BRAKE SLIP DETECT	1	Brake slip detection was commanded to be executed while another optional function was in execution.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If another optional function was commanded to be executed, cannot execute brake slip detection.Correct the job.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Brake slip detection could not be executed in the specified axis.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Holding torque data which is calculated by the brake slip detection is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Detection torque data which is calculated by the brake slip detection is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	The torque value for the brake slip detection device is not set.	Software operation error occurred	(1)Reset the alarm. (2)Check the following settings. • Check torque value
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Holding torque data which is calculated by the brake slip detection exceeds the limit.	Software operation error occurred	(1)Reset the alarm. (2)Check the following settings. • Check torque value

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	The parameter of the pulse operation exceeds the limit.	Software operation error occurred	(1)Reset the alarm. (2)Check the following settings. • Pulse operation (S1CxG512 to 519)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	The parameter of the error detection value parameter is incorrect.	Software operation error occurred	(1)Reset the alarm. (2)Check the following settings. • Error detection value(S1CxG520 to 527)
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4733	WRIST MOTION ERROR (SINGULAR POINT)		An attempt was made to pass the B-axis zero degree position (singular area).	Setting error	(1)Check the following settings. •Check the teaching position of the job so that the manipulator does not pass the B-axis zero degree position (singular area).
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4734	FIGURE CONVERSION IMPOSSIBLE		The setting of the form data for Flip/No Flip is not "B-axis Angle.	Setting error	(1)Check the following settings. • Set "1" to "S2C658: Type data detail settings".
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4735	SENSOR-LESS LEARNING CTRL ERROR	1	Learning control table setting error.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If another optional function was commanded to be executed, cannot execute brake slip detection.Correct the job.
		2	Learning control table ID is incorrect.	Software operation error occurred	(1)Reset the alarm, and then try again. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Multiple task execution error	Setting error	(1)Check the following settings. ・The Learning control cannot execute the same time by multiple tasks. Correct the job.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4740	M-SAF OVERRUN DETECT		Overrun limit switch control group that is displayed in the sub code has tripped.	Overrun limit switch released	(1)Reset the alarm. (2)If the alarm occurs again,overrun limit switch is released. Select "OVERRUN&SHOCK SENSOR" under sub menu "ROBOT" to reset the limit switch.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, ple-aseinset , and conduction state of the cable and connector of the control group to which the overrun limit switch has tripped. Check the connection and inserting state of the following manipulator cables (Between Manipulator and DX200) and connectors.
				YSF21 board failure	(1)Reset the alarm. (2)(2)If the alarm occurs again, Replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board, which is connected to the control group on which the alarm occurred.
				Overrun limit switch failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the limit switch or an equivalent switch.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4741	M-SAF PPESP SIG. ERROR		Emergency stop signal of programming pendant was unmatched longer than a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN218 • Replace the cable of the programming pendant. • Check connectors of the connected outside devices of EMERGENCY STOP signal of programming pendant line.
				Programming pendant failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the programming pendant.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4742	M-SAF PBESP SIG. ERROR		Emergency stop signal of the panel box was unmatched for a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN218 • Check connectors of the connected outside devices of EMERGENCY STOP signal line.
				Hardware failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the emergency stop switch of the panel box.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4743	M-SAF EXESP SIG. ERROR		External emergency stop signal was unmatched for a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check connectors of the connected outside devices of EXTERNAL EMERGENCY STOP signal line.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Hardware failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the external emergency stop switch.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4744	M-SAF PP ENABLE SW SIG. ERROR		The enable switch signal of PP was unmatched for a certain time.	Programing pendant illegal operation	There are two contact points for an enable switch, and only one point may be turned on by how to squeeze it or when putting it on the place where it is not a plane such as on the knee etc. Check how to squeeze or put the programming pendant on flat.
				Programming pendant failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the programming pendant.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Replace the cable of the programming pendant. • YSF22-CN218
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4745	M-SAF EX ENABLE SW SIG. ERROR		External Enable signal was unmatched for a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check connectors of the connected outside devices of EXTERNAL ENABLE SWITCH signal line.
				Hardware failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the external enable switch.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4746	M-SAF SAFETY FENCE SIG. ERROR		Safety fence signal is unmatched for a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check connectors of the connected outside devices of SAFETY FENCE signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4747	M-SAF OVERRUN SIG. ERROR		The meaning of each sub code is as follows: 1:OT1 2:OT2 3:OT3 4:OT4	Overrun limit switch released	(1)Reset the alarm. (2)If the alarm occurs again, overrun limit switch is released. Select "OVERRUN&SHOCK SENSOR" under sub menu "ROBOT" to reset the limit switch.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please insert and conduction state of the cable and connector of the control group to which the overrun limit switch has tripped.
				Overrun limit switch failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the limit switch or an equivalent switch.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board, which is connected to the control group on which the alarm occurred.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4748	M-SAF ON_ENABLE SIG. ERROR		The meaning of each sub code is as follows: 1:ON_ENABLE1 2:ON_ENABLE2 3:ON_ENABLE3 4:ON_ENABLE4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check ON_ENABLE signal line.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board, which is connected to the ON_ENABLE signal on which the alarm occurred.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4749	M-SAF FULL SPEED SIG. ERROR		Full speed test signal was unmatched for a certain time.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check connectors of the connected outside devices of FST signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the YFC22 board which is connected to the first YSF22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4750	M-SAF GENERAL INPUT SIG. ERROR		The meaning of each sub code is as follows: 1:GSIN1 2:GSIN2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • YSF22-YFC22 cable • Check connectors of the connected outside devices of GSIN signal line.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the GSIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4751	YSF24 GENERAL INPUT SIG. ERROR		The meaning of each sub code is as follows: 1:XIN1 2:XIN2 3:XIN3 4:XIN4 5:XIN5 6:XIN6 7:XIN7 8:XIN8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC24 • YSF22-YFC24 cable • Check connectors of the connected outside devices of XIN signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				YFC24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC24 board. In a system where a plurality of YFC24 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4752	M-SAF PPESP DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4753	M-SAF PBESP DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4754	M-SAF EXESP DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4755	M-SAF PP ENABLE SW DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4756	M-SAF EX ENABLE SW DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4757	M-SAF SAFETY GUARD DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4758	M-SAF OVERRUN DIAG. ERROR		An error is detected by YSF21 board. The error is occurred in the signal that is inverted representation. CPU1 1:OT1 CPU1 2:OT2 CPU1 3:OT3 CPU1 4:OT4 CPU2 1:OT1 CPU2 2:OT2 CPU2 3:OT3 CPU2 4:OT4	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board, which is connected to the overrun signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4759	M-SAF ON_ENABLE DIAG. ERROR		An error is detected by YSF21 board. The meaning of each sub code is as follows: CPU1 1:ON_ENABLE1 CPU1 2:ON_ENABLE2 CPU1 3:ON_ENABLE3 CPU1 4:ON_ENABLE4 CPU2 1:ON_ENABLE1 CPU2 2:ON_ENABLE2 CPU2 3:ON_ENABLE3 CPU2 4:ON_ENABLE4	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board, which is connected to the ON_ENABLE signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4760	M-SAF FULL SPEED DIAG. ERROR		Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the YSF22 board which is connected to the first EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4761	M-SAF GENERAL INPUT DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:GSIN1 CPU1 2:GSIN2 CPU2 1:GSIN1 CPU2 2:GSIN2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC24 • YSF22-YFC24 cable • Check connectors of the connected outside devices of GSIN signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4762	YSF24 GENERAL INPUT DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:XIN1 CPU1 2:XIN2 CPU1 3:XIN3 CPU1 4:XIN4 CPU1 5:XIN5 CPU1 6:XIN6 CPU1 7:XIN7 CPU1 8:XIN8 CPU2 1:XIN1 CPU2 2:XIN2 CPU2 3:XIN3 CPU2 4:XIN4 CPU2 5:XIN5 CPU2 6:XIN6 CPU2 7:XIN7 CPU2 8:XIN8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC24 • YSF22-YFC24 cable • Check connectors of the connected outside devices of XIN signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board, which is connected to the XIN signal on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4763	M-SAF CONTACT FB DIAG. ERR (CPU1)		The meaning of each sub code is as follows: 1:KMMB1 2:KMMB2 3:KMMB3 4:KMMB4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU−CN607 • Cable continuity between YSF22 board and YPU unit.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4764	M-SAF STO FB DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:EDM1 CPU1 2:EDM2 CPU1 3:EDM3 CPU1 4:EDM4 CPU2 1:EDM1 CPU2 2:EDM2 CPU2 3:EDM3 CPU2 4:EDM4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN8/CN/CN10/CN11 • YSF22-CN217 • Cable continuity between YSF22 board and EAXA21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4765	M-SAF BRAKE FB DIAG. ERROR			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN214 • Cable continuity between YSF22 board and YBK21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YBK21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YBK21 board. In a system where a plurality of YBK21 boards are connected, replace the board, which is connected to the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4766	M-SAF CONTACT OFF FB DIAG. ERROR			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU52-CN607 • Cable continuity between YSF22 board and YPU52 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU51 unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU51 unit. In a system where a plurality of YPU51 units are connected, replace the board, which is connected to the unit on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4767	M-SAF GENERAL OUT FB DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:GSEDM1 CPU1 2:GSEDM2 CPU2 1:GSEDM1 CPU2 2:GSEDM2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22 CN219 • YSF22-YFC22 • Check connectors of the connected outside devices of GSEDM signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the GSIN signal on which the alarm occurred.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4768	YSF24 GENERAL OUT FB DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:XEDM1 CPU1 2:XEDM2 CPU1 3:XEDM3 CPU1 4:XEDM4 CPU1 5:XEDM5 CPU1 6:XEDM6 CPU1 7:XEDM7 CPU1 8:XEDM8 CPU2 1:XEDM1 CPU2 2:XEDM2 CPU2 3:XEDM3 CPU2 4:XEDM4 CPU2 5:XEDM5 CPU2 6:XEDM6 CPU2 7:XEDM7 CPU2 8:XEDM8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC24 • YSF22-YFC24 cable • Check connectors of the connected outside devices of XEDM signal line.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4769	M-SAF CONTACTOR DIAG. ERROR		An error is detected by CPU1 on YSF21 board in self diagnosis process of contactor output signal.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU-CN607 • Cable continuity between YSF22 board and YPU unit.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. In a system where a plurality of YPUxx units are connected, replace the unit, which is connected to the unit on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4770	M-SAF STO DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:STO1 CPU1 2:STO2 CPU1 3:STO3 CPU1 4:STO4 CPU2 1:STO1 CPU2 2:STO2 CPU2 3:STO3 CPU2 4:STO4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • Cable continuity between YSF22 board and EAXA21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4771	M-SAF GENERAL OUTPUT DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:GSOUT1 CPU1 2:GSOUT2 CPU2 1:GSOUT1 CPU2 2:GSOUT2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • Cable continuity between YSF22 board and YFC22 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board, which is connected to the GSIN signal on which the alarm occurred.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4772	YSF24 GENERAL OUTPUT DIAG. ERROR		The meaning of each sub code is as follows: CPU1 1:XOUT1 CPU1 2:XOUT2 CPU1 3:XOUT3 CPU1 4:XOUT4 CPU1 5:XOUT5 CPU1 6:XOUT6 CPU1 7:XOUT7 CPU1 8:XOUT8 CPU2 1:XOUT1 CPU2 2:XOUT2 CPU2 3:XOUT3 CPU2 4:XOUT4 CPU2 5:XOUT5 CPU2 6:XOUT6 CPU2 7:XOUT7 CPU2 8:XOUT8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC24 • Cable continuity between YSF22 board and YFC24 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4773	M-SAF CONTACT FB DIAG. ERR (CPU2)		The meaning of each sub code is as follows: 1:KMMB1 2:KMMB2 3:KMMB3 4:KMMB4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU-CN607 • Cable continuity between YSF22 board and YPU unit.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4776	M-SAF YSF LOGIC FILE SIGNAL ERR	0	Start-up, in reading information from the FlashROM of YSF21 board, YSF21 board has detected an undefined signal.	Setting error	(1)Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF21 board failure	(1)Please start in "maintenance mode". (2)Display the screen of the "file"-"initialization", please run the "Machine safety FLASH ROM reset". (3)Turn the power OFF then back ON. (4)If the alarm occurs again, replace the YSF22 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	In the receiving information on safe logic circuit information, YSF21 board has detected an undefined signal.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4777	TRANSMISSION ERROR(M-SAF FILE)	1	Safe logic circuit information transmission error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Timer delay information transmission error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer". When a value is inaccurate, please set up the right value and perform "writing".
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	M-safety signal alloc information transmission error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Safety signal board alloc information transmission error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		253	M-safety command reception time out was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		254	Safe logic circuit information write error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		255	Safe logic circuit information cancel error was detected.	Setting error	(1) Please display the screen of the "safety function" - "safe logic circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4778	24V VOLTAGE ERROR(SERVO I/O)		YSF21 board detected the error of an 24V power supply for SERVO I/O signals.	Connection failure	(1) Reset the alarm. (2) If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit , ground or 24V power line (DIRECTIN singnals) fault of the followings. ・YFC22-81,82,92,93 : +24V2U3 ・YSF22-CN219 ・Cable between YSF22 board and the YFC22 board
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4780	F-SAFE AXIS RANGE LIMIT INTF		Sub Code: Signifies the file number, control groupe and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the axis range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit range setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4781	AXIS RANGE LIMIT INTF		Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the axis range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit range setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4782	F-SAFE AXIS SPEED MONITOR ERROR		Sub Code: Signifies the file number, control group, axis and error type in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the axis speed monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over with limit speed setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4783	F-SAFE ROBOT RANGE LIMIT INTF		Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check robot range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit area setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4784	ROBOT RANGE LIMIT INTF		Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the robot range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit area setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4785	F-SAFE SPEED LIMIT ERROR		Sub Code: Signifies the file number, control group and error type in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the speed limit condition file that is indicated in the sub code is set correctly.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4786	F-SAFE TEACH SAFETY SPEED ERROR		Sub Code: Signifies the control group and error type in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the speed limit condition file that is indicated in the sub code is set correctly.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4787	F-SAFE ROBOT STOP MONITOR ERROR		Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the speed limit condition file that is indicated in the sub code is set correctly.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4788	F-SAFE STATION STOP MONITOR ERR		Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the speed limit condition file that is indicated in the sub code is set correctly.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4789	F-SAFE TOOL CHANGE MONITOR ERR		Sub Code: Signifies the file number, control group and error type in which the alarm occurred. Error type means: 1:All tool change monitoring condition files is invalid. 2:It detects a mismatch of monitoring tool number and the selection tool file number. 3:Multiple tool change monitoring condition files is enabled.	Setting error	(1)Check the following settings. • Check the tool change monitor condition file that is indicated in the sub code is set correctly. • Check whether only one tool change monitor condition file enable. • Please coincide the tool file number chosen as the robot of the control group displayed in subcode, and a tool change monitor condition file.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4790	F-SAFE TOOL ANGL MONITOR ERR		Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the tool angle monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over limit angle setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4791	F-SAFE AXIS STOP MONITOR ERROR		Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the axis speed monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over with limit speed setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4792	TOOL ANGL MONITOR ERR		Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	(1)Check the following settings. • Check the tool angle monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over limit angle setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4794	F-SAFE MONITOR EXECUTE TIME OVER			Setting error	(1)Reset the alarm. (2)If the alarm occurs again, reduce the number of robot range limit condition files validated at the same time.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4795	F-SAFE CANNOT OPERATE TEMP DSBL			Setting error	(1)Change the teach mode. (2)Reset the alarm, and then try again.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4796	F-SAFE DATA CRC UNMATCH		Sub Code: Signifies the file kind in which the alarm occurred.	Data error	(1)Reset the alarm, and then try again. (2)Check whether the data which it is going to load is surely saved as data of functional safety.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YIF01 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YIF01 board. Save the CMOS.BIN before replace the board to be safe. Replace the YIF01 board, and then load the CMOS.BIN.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4797	F-SAFE RANGE CONBINATION ERR			Software operation error occurred	Reset the alarm, and then try again.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4798	F-SAFE SAFETY FIELDBUS SET ERR		Sub Code: Code [X _ _ _] indicates the abnormal content. 1000: Input/output signal number in conditionfile is abnormal. 4000: Safety fieldbus input signal that is not available is set in condition file. 5000: Safety fieldbus output signal that is not available is set in condition file. 6000: File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100: Axis range limit function 200: Axis speed monitor function 300: Speed limit function 400: Robot range limit function 500: Tool angle monitor function 600: Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	(1)Check the configuration of condition file abnormality occurs. (2)Reset the alarm, and then try again.
				YSF25 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF25 board. Save the CMOS.BIN before replace the board to be safe.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board. Save the CMOS.BIN before replace the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4800	WDT ERROR (CONVERTER)		Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter CN551,553 • EX1SV (External axis SERVO PACK)-CN591,592

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Module failure (converter)	(1)Reset the alarm. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4822	HARD WIRE BASE BLOCK ERROR		Sub Code: Signifies the control axis number which detected an error	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21 board CN521(Safety function's jumper connector) • EAXB21 board CN522/523/524(Safety function's jumper connector) • YSF22 board CN217
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the fuse of YSF22 board and then turn the power ON again.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4823	HARD WIRE BASE ENABLE ERROR		Sub Code: Signifies the control axis number which detected an error	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21 board CN521(Safety function's jumper connector) • EAXB21 board CN522/523/524(Safety function's jumper connector) • YSF22 board CN217

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4824	BASE BLOCK ERROR		Sub Code: Signifies the control axis number which detected an error	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21 board CN521(Safety function's jumper connector) • EAXB21 board CN522/523/524(Safety function's jumper connector) • YSF22 board CN217
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4825	BASE ENABLE ERROR		Sub Code: Signifies the control axis number which detected an error	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21 board CN521(Safety function's jumper connector) • EAXB21 board CN522/523/524(Safety function's jumper connector) • YSF22 board CN217

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4826	CONTACTOR ERROR (STO)		Sub Code: Signifies the control axis number which detected an error	YPU unit failure	(1)Reset the alarm. (2)Check if the contactors (1KM and 2KM) are open, and not damaged by melting or sticking. (4)If the alarm occurs again, replace the YPU unit. Save the CMOS.BIN before replacing the unit to be safe.
				Fuse failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection of the fuse of YSF22 board and then turn the power ON again.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22 board CN216 • YPU unit CN607
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				EAXB21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXB21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4827	DRESSER SERVO POWER OFF		Sub Code: Signifies the control axis number which detected an error	The servo power is not supplied.	Turn ON the servo power for the servo dresser axis to be operated.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4883	SENSOR OVER RANGE		Sub Code; channel	Setting error	(1)Reset the alarm and decrease the motion speed in JOB. (2)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
4885	SENSOR OUTPUT ERROR		Sub Code; channel	Sensor error	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
4886	FORCE CONTROL FILE ERROR	1	The specified force control file is for other manipulator.	Setting error	Reset the alarm and check the force control file. The robot of instruction does not match the robot of force control file. Change the file number or the settings of force control file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4897	FORCE CONTROL INTERNAL ERROR	32	Force control parameter error	Setting error	Reset the alarm and check the tags of the instruction.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		64	Excessive force detected	Setting error	(1)Reset the alarm and check the force sensor. Too large force has detected in force sensor. (2)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
		128	Overspeed	Setting error	Reset the alarm and decrease the motion speed in JOB.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		256	Singular point error	Setting error	Reset the alarm and check the posture of the robot. Change the JOB to avoid the singular point.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		512	Board / cable error	Sensor / Cable error	(1)Check the force sensor, the sensor board, and the cable of force sensor. (2)If the alarm occurs again, check the connection of sensor board to the controller. (3)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
4901	CUBE/AXIS INTERFERENCE		Sub Code; Group, axis, and interference area number	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is out of interference area. • Change the settings for interference area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4902	CUBE INTERFERENCE (TCP)		Sub Code; Group and interference area number	Setting error	(1)Check the following settings. • Change the step position where the alarm occurred to the area outside the interference area. • Modify the interference area setting.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4903	CUBE INTERFERENCE (ENTIRE)		Sub Code; Group, axis, and interference area number	Setting error	(1)Check the following settings. •Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is out of interference area. • Change the settings for interference area.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4904	CUBE INTERFERENCE AREA SET ERR	0	Maximum number of the cube interference area exceeds the allowable range.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		1	The number of cube interference area whose monitoring part is "whole" exceeds the limit.	Setting error	Reduce the number of cube interference area whose monitoring part is "whole".

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Detect the cube whose interference area are extremely big or small.	Setting error	(1)Among the cube interference areas already values are entered, modify as follows. 1.Change the extremely big values to smaller ones. 2.Change the extremely small values to bigger ones. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Detect the cube interference area whose monitoring part is set to "whole" despite the invalid status of cube arm interference check function.	Setting error	(1)Reset the alarm. (2)If the alarm occurs just after loading the cube interference area setting function, execute the following measures. 1.Among the cube interference areas to be loaded, change the monitoring part setting from "whole" to "control point". 2.Load the modified cube interference area. 3.Confirm the settings if the alarm occurs again after the loading operation. (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4905	INSTRUCTION ERROR 1	1	Sub code: SKCHK mode release error	Software operation error occurred	(1)Reset the alarm and decrease the motion speed in JOB. (2)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
		2	Sub code: Robot number error	Setting error	(1)Reset the alarm and change the robot number. (2)If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your Yaskawa representative about occurrence status (operating procedure).
4906	MODEL DATA UNREGISTERED		Sub Code: model file number	Setting error	(1)Reset the alarm and register the model file or change the model file number.
4907	MULTIPLE INST EXECUTION ERROR			Setting error	(1)Reset the alarm and modify the JOB program.
4909	TEST RUN(HIGH ACCURACY) ERROR			Operation mistake	Select a sub menu [TEACHING CONDITION SETTING] under main menu [SETUP]. Set "TEST RUN CONTROL" to "NORMAL" to perform TEST RUN operation.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4911	SAFETY FIELDBUS NOT ESTABLISHED	1	PROFIsafe communication was not established to the default time.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • SF(Group Fault) LED, BF(Bus Fault) LED of CP1616 board is lit or blinking. • SF(Group Fault) LED, BF(Bus Fault) LED of safety PLC board is lit or blinking. (3)If the above problems, there is a possibility that the connection settings of the safety PLC or CP1616 is not successful. Please set again according to the manual.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the CP1616 board and safety PLC.
				CP1616 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the CP1616 board.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	CIP Safety communication was not established to the default time.(sub code is not defined)	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		11	CIP Safety communication was not established to the default time.(CIP Safety stack is under the Self-diagnosis)	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		12	CIP Safety communication was not established to the default time.(Waiting for communication establish)	Software configuration error occurred	(1)Reset the alarm. (2)If the alarm occurs again, the connection setup of EtherNet/IP (CPU board) or safety PLC may not be performed normally. Please set up again according to a manual.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		13	CIP Safety communication was not established to the default time.(Exception generating under CIP Safety stack self-diagnosis)	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		15	CIP Safety communication was not established to the default time.(Abort of CIP Safety stack processing)	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		18	CIP Safety communication was not established to the default time.(Waiting for TUNID configuration)	Software configuration error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please carry out the following according to a manual. - Set up TUNID (combination data of an IP address and Safety Network Number) using RSNetWorx for EtherNet/IP (setting tool by Rockwell).
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4912	SAFETY FIELDBUS COMM ERROR	1	Value of F_Dest_Add do not match.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following F-Parameter settings. • The value of F_Dest_Add that is set to the safety PLC and the CP1616 board are the same.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	Value of F_Dest_Add is out of range.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following F-Parameter settings. •The value of F_Dest_Add that is set to the safety PLC and the CP1616 board is in the range of 1-65534.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3	Value of F_Src_Add is out of range.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following F-Parameter settings. • The value of F_Src_Add that is set to the safety PLC is in the range of 1-65534.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Value of F_WD_Time is 0.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following F-Parameter settings. • The value of F_WD_Time that is set to the safety PLC is 1 or more.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Value of F_SIL is invalid.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • When setting up the safety the PLC, whether imported into SIEMENS manufactured configuration tool(STEP 7) GSD file of CP1616 board we offer.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		6	Value of F_Par_Version is invalid.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • When setting up the safety the PLC, whether imported into SIEMENS manufactured configuration tool(STEP 7) GSD file of CP1616 board we offer.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		7	Value of F_CRC do not match.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • When setting up the safety the PLC, whether imported into SIEMENS manufactured configuration tool(STEP 7) GSD file of CP1616 board we offer.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		8	Setting the value of the F-Parameter is invalid.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • When setting up the safety the PLC, whether imported into SIEMENS manufactured configuration tool(STEP 7) GSD file of CP1616 board we offer.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		10	Size of F_CRC is invalid.	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please check the following. • When setting up the safety the PLC, whether imported into SIEMENS manufactured configuration tool(STEP 7) GSD file of CP1616 board we offer.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		20	Processing of safety field bus does not start.	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please turn the power OFF then back ON.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		30	Communication error of safety field bus occurred.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the CP1616 board and safety PLC.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		31	Watchdog time error of safety field bus occurred.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the CP1616 board and safety PLC.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		32	Passivated state.	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, you need to release the passivated state. Please release the passivated state by operating the safety program from SIEMENS manufactured configuration tool(STEP 7).
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2xxxx	A communication error (CH1) occurred at connection with the CIP safety. A subcode shows the internal status of a CIP Safety stack.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		3xxxx	A communication error (CH2) occurred at connection with the CIP safety. A subcode shows the internal status of a CIP Safety stack.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, please check the connection or insertion state of cables connected to the "CN104 connector of YCP21 board" and safety PLC.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, please re-power on the safety PLC and the robot controller.
				YSF21 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the YSF21 board.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4916	WRONG JOB EXEC OF DETACHED AXIS		Sub Code: Control group	Setting error	(1)Check the following settings. • [OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode. Cancel the detachment axis setting of the job control group.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4917	WRONG JOB EXEC OF DETACHED AXIS		Sub Code: Control group	Setting error	(1)Check the following settings. • [OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode. Cancel the detachment axis setting of the job control group.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4918	PROFINET SETTING ERROR		Sub Code: Slot number of IO module	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, please carry out the following according to a manual. •Set the device name and IP address to CP1616 board by using STEP 7 (setting tool by SIEMENS).
				CP1616 board failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the CP1616 board
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4920	M-SAF CONTACTOR SELF CHECK ERR		The meaning of each sub code is as follows: CPU1 1:SFRON1 CPU1 2:SFRON2 CPU1 3:SFRON3 CPU1 4:SFRON4 CPU2 1:SFRON1 CPU2 2:SFRON2 CPU2 3:SFRON3 CPU2 4:SFRON4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU-CN607 • Cable continuity between YSF22 board and YPU unit.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. In a system where a plurality of YPU units are connected, replace the unit, which is connected to the unit on which the alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4921	M-SAF STO SELF CHECK ERR		The meaning of each sub code is as follows: CPU1 1:STO1 CPU1 2:STO2 CPU1 3:STO3 CPU1 4:STO4 CPU2 1:STO1 CPU2 2:STO2 CPU2 3:STO3 CPU2 4:STO4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • Cable continuity between YSF22 board and EAXA21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4922	M-SAF GENERAL OUT SELF CHECK ERR		The meaning of each sub code is as follows: CPU1 1:GSOUT1 CPU1 2:GSOUT2 CPU2 1:GSOUT1 CPU2 2:GSOUT2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • Cable continuity between YSF22 board and YFC22 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4923	YSF24 GENERAL OUT SELF CHECK ERR		The meaning of each sub code is as follows: CPU1 1:XOUT1 CPU1 2:XOUT2 CPU1 3:XOUT3 CPU1 4:XOUT4 CPU1 5:XOUT5 CPU1 6:XOUT6 CPU1 7:XOUT7 CPU1 8:XOUT8 CPU2 1:XOUT1 CPU2 2:XOUT2 CPU2 3:XOUT3 CPU2 4:XOUT4 CPU2 5:XOUT5 CPU2 6:XOUT6 CPU2 7:XOUT7 CPU2 8:XOUT8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF24 • Cable continuity between YSF22 board and YSF24 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4924	M-SAF CONTACTOR UNMATCH		The meaning of each sub code is as follows: CPU1 1:SFRON1 CPU1 2:SFRON2 CPU1 3:SFRON3 CPU1 4:SFRON4 CPU2 1:SFRON1 CPU2 2:SFRON2 CPU2 3:SFRON3 CPU2 4:SFRON4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • YPU-CN607 • Cable continuity between YSF22 board and YPU unit.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YPU unit failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YPU unit. In a system where a plurality of YPU units are connected, replace the unit, which is connected to the unit on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4925	M-SAF STO UNMATCH		The meaning of each sub code is as follows: CPU1 1:STO1 CPU1 2:STO2 CPU1 3:STO3 CPU1 4:STO4 CPU2 1:STO1 CPU2 2:STO2 CPU2 3:STO3 CPU2 4:STO4	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22-CN217 • Cable continuity between YSF22 board and EAXA21 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4926	M-SAF GENERAL OUTPUT UNMATCH		The meaning of each sub code is as follows: CPU1 1:GSOUT1 CPU1 2:GSOUT2 CPU2 1:GSOUT1 CPU2 2:GSOUT2	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YFC22 • Cable continuity between YSF22 board and YFC22 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YFC22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YFC22 board. In a system where a plurality of YFC22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4927	YSF24 GENERAL OUTPUT UNMATCH		The meaning of each sub code is as follows: CPU1 1:XOUT1 CPU1 2:XOUT2 CPU1 3:XOUT3 CPU1 4:XOUT4 CPU1 5:XOUT5 CPU1 6:XOUT6 CPU1 7:XOUT7 CPU1 8:XOUT8 CPU2 1:XOUT1 CPU2 2:XOUT2 CPU2 3:XOUT3 CPU2 4:XOUT4 CPU2 5:XOUT5 CPU2 6:XOUT6 CPU2 7:XOUT7 CPU2 8:XOUT8	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF24 • Cable continuity between YSF22 board and YSF24 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				YSF24 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF24 board. In a system where a plurality of YSF24 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4928	M-SAF OUTPUT SIG. SELF CHECK ERR		Subcode is the output signal number that detected error.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22 • Cable continuity between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4929	M-SAF INPUT SIG. SELF CHECK ERR		Subcode is the input signal number that detected error.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • YSF22 • Cable continuity between YSF21 board and YSF22 board.
				YSF21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF21 board.
				YSF22 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the YSF22 board. In a system where a plurality of YSF22 boards are connected, replace the board on which the alarm occurred.
				Other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4940	MOTION COMMAND CODE ERROR (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4941	CANNOT EXECUTE MOTION CMD (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4942	AVERAGING TIME CHANGE ERR (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4943	AVERAGING TIME ERROR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4944	POSITION LOOP GAIN ERROR (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4945	MOTION COMMAND DATA ERROR (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4946	PG POWER ON INCOMPLETE (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4947	SERVO ON MULTIPLE REQUEST (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4948	ENCODER ALARM (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4949	GUN BEND MULTI CORRECT ERR (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4950	MOTOR GUN POS. DIFF. OVER (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	(1) Check the settings for jobs. (2) If this alarm occurs after the servo power cycling during work handling process under the condition where the Handling motion continue function is activated (S2C691=1), review the threshold value (S1CxG624 -) as necessary.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4951	WRONG MOTOR GUN CHANGE AXIS (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4952	WRONG MOTOR GUN FILE NO. (SERVO)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4953	ENCODER COUNTER DIFF. ERR (SV)			Connection failure	(1)Reset the alarm (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. {Robot axis} • Cables between encoders • EAXA21-CN508 {External axis} • Cables between encoders • EAXB21-CN534,535,536
				EAXA21 board failure	(1)Reset the alarm. (2)If the alarm occurs again, replace the EAXA21 board. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4954	REALTIME STATUS S/R ERROR (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4955	AVERAGING DATA ERROR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4956	AVERAGING SUM ERROR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4957	AVERAGING STATUS ERR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4958	HIGH RESOLUTION PRM UNDEFINED (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4959	WRONG GRP CHANGE AXIS (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4960	BELT SNAP DETECT PRM ERROR (SV)			Setting error	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4961	SERIAL ENC OSCILL DETECTED (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4962	BRAKE LOCK ERROR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4963	BRAKE RELEASE ERROR (SERVO)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4964	CONST.SPD MEASURE MULTI REQ (SV)			Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4965	DIN SIGNAL SPECIFIC. ERROR (SV)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4966	DB RESIST NOT INSTALLED (SV)			Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • DB resist of CN585 amplifier • Short-circuit connector CN585 amplifier • Amplifier-CN583 • Converter-CN556,CN558
				DB resist board failure	(1)Reset the alarm. (2)The DB resist may be fired. Replace the DB resist.
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4967	RATED CURRENT AND MAXIMUM CURRENT HIGH RESOLUTION PRM UNDEFINED (SERVO)			Setting error	(1)Reset the alarm. (2)If the alarm occurs again, contact your Yaskawa representative about occurrence status (operating procedure).
4969	CONVTR POWER ERR (FREQUENCY) (SV)		Sub Code: Signifies the axis in which the alarm occurred	Primary power supply failure	Confirm that appropriate primary voltage is applied to the breaker. Prescribed voltage: 200V (+10% to 15%)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 and EAXB21 boards. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4970	CONVTR POWER ERR (PHASE SEQ.)(SV)		Sub Code: Signifies the axis in which the alarm occurred	Primary power supply failure	Confirm that appropriate primary voltage is applied to the breaker. Prescribed voltage: 200V (+10% to 15%)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 and EAXB21 boards. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4971	CONVTR POWER ERR (PEAK) (SV)			Primary power supply failure	Confirm that appropriate primary voltage is applied to the breaker. Prescribed voltage: 200V (+10% to 15%)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 and EAXB21 boards. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4972	CONVTR REGENERATE OVERLOAD (SV)			Primary power supply failure	Check the primary voltage for the converter.
				Setting error	Check the following settings; • Tool data • JOB • Workpiece • JOB speed • Acceleration and deceleration (ACC, DEC)
				Connection failure	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, check the connection and insertion of the following cables and connectors. • EAXA21-CN507,510 • EAXB21-CN531,532,533 • Converter-CN551,553 • EX1SV(External axis servo pack)-CN591,592
				Module failure (Regenerative resistor)	(1)Disconnect the converter CN557 to check if there is no cable disconnection. (2)If disconnected, replace the regenerative resistor.
				Module failure (converter)	(1)Turn the power OFF then back ON. (2)If the alarm occurs again, replace the converter.
				EAXA21 board failure	(1)Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) (2)If the alarm occurs again, replace the EAXA21 and EAXB21 boards. Save the CMOS.BIN before replacing the board to be safe.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4973	POSITION ERROR (COLLISION DETECT)		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Confirm the following settings; • Tool information • Workpiece
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4974	POSITION ERROR (START LIFT)		Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
4975	WRONG START LIFT AXIS (SERVO)		Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	(1)Reset the alarm. (2)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4976	GUN SEARCH DETECT RANGE OVER		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Home position of gun axis. • "The pulse-stroke converter" in the gun condition file. • The value of the wear correction.
				Effect of external force	(1)Check that no objects exist between workpiece and gun. (2)Check the lost tip.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4977	GUN SEARCH POS ERROR		Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Home position of gun axis. • "The pulse-stroke converter" in the gun condition file. • The value of the wear correction for movable gun tip.
				Effect of external force	(1)Check the amount of the gap between workpiece position and the teaching position. (2)Check the lost tip for movable gun.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4978	UNIV.IN/OUT SIGNAL BROKEN (SERVO)	1	Universal input/output 1 between EAXA21 boards is broken.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, check if the cable is disconnected.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		2	Universal output 1for SV#1 (SV#2) is inconsistent with Universal input 1 for SV#2(SV#1).	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		3	Universal output 1for SV#1 (SV#2) is inconsistent with Universal input 1 for SV#2(SV#1).	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		4	Universal input/output 2 between EAXA21 boards is broken or its connector (CN514) is disconnected.	Connection failure	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, check if the cable is disconnected.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		5	Universal output 2 for SV#1 (SV#2) is inconsistent with Universal input 2 for SV#2(SV#1).	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
		6	Universal output 2 for SV#1 (SV#2) is inconsistent with Universal input 2 for SV#2(SV#1).	Setting error	(1)Reset the alarm. (2)If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • EAXA21-CN514 (3)If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4980	DESTINATION PULSE LIMIT			Setting error	(1)Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4981	DEST PULSE MECHANICAL LIMIT			Setting error	(1)Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred.

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4982	DEST MECHANICAL INTRF			Setting error	(1)Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4983	DEST MECHANICAL INTRF			Setting error	(1)Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4984	DESTINATION SELF-INTERFERENCE			Setting error	(1)Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4985	TEACH LINE CORD JOG MOVE DISABLE			Setting error	Correct the attitude of the tool and the ground are out of vertical, and execute teach line cord jog move.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4986	TEACH LINE CORD JOG MOVC DISABLE			Setting error	Execute FWD/BWD/TEST RUN operation, and execute teach line cord jog move.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4987	WELD LINE CORD SHIFT MOV DISABLE	1	IMPOSSIBLE MOTION(Y direction)	Setting error	(1)Check the following settings. •Correct the teaching positions so that the attitude of the tool and the ground are out of vertical.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Alarm Number	**Alarm Name**	Sub **Code**	**Meaning**	**Cause**	**Remedy**
		2	IMPOSSIBLE MOTION(Y direction)	Setting error	(1)Check the following settings. • The manipulator cannot move to the target shift position. Change shift volume or modify the teaching position.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
4988	WELD LINE COORD SHIFT DISABLE	1	PREFLOW not executed	Setting error	(1)When executing weld line coordinate shift operation, start the JOB with one step before ARCON instruction. (2)When teaching the JOB for welding coordinate shift operation, set the ARCON instruction in the JOB in which the weld line coordinate shift operation is to be performed. (Don't set ARCON instruction in the JOB which is target for CALL instruction without setting any weld start teaching point.) To use ARCON instruction without weld start point in the CALL destination JOB, disable the weld line coordinated shift function in the weld start condition file.
				other	If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

Appendix A DX200 National American Standard (NAS)

The DX200 NAS is the standard DX200 built in the United States. This Appendix replaces *section 1.1 "Arrangement of Units and Circuit Boards"* if your DX200 is built in the United States.

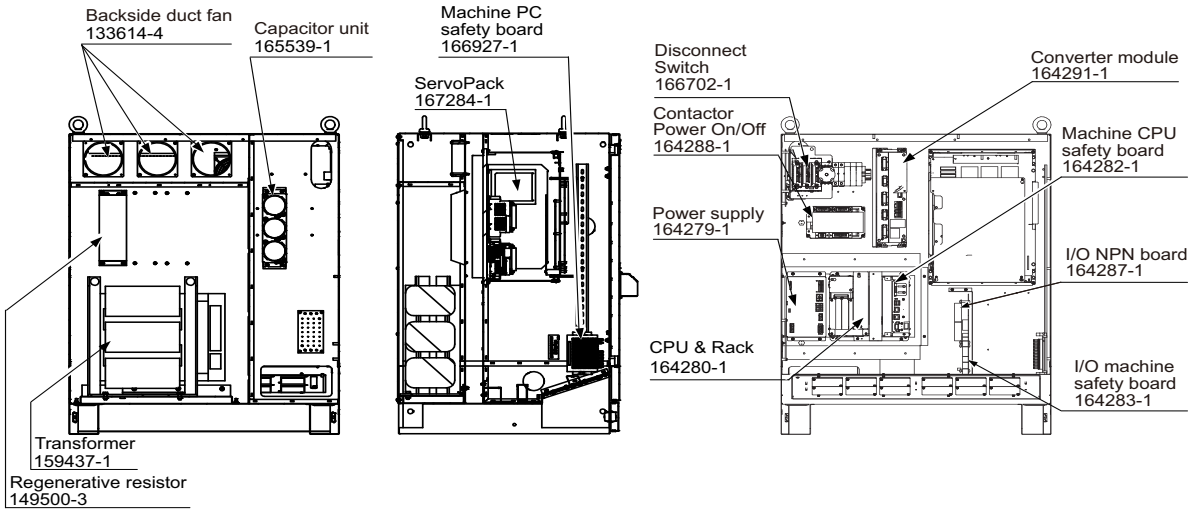
A.1 Arrangement of Units and Circuit Boards

A.1.1 Arrangement

The arrangements of units and circuit boards in small-capacity, medium-capacity, and large-capacity DX200 NASes are shown in the following figures

A.1.1.1 Small-Capacity DX200 Controller

Fig. A-1: Configuration for Small-Capacity



Inside Controller
Back View

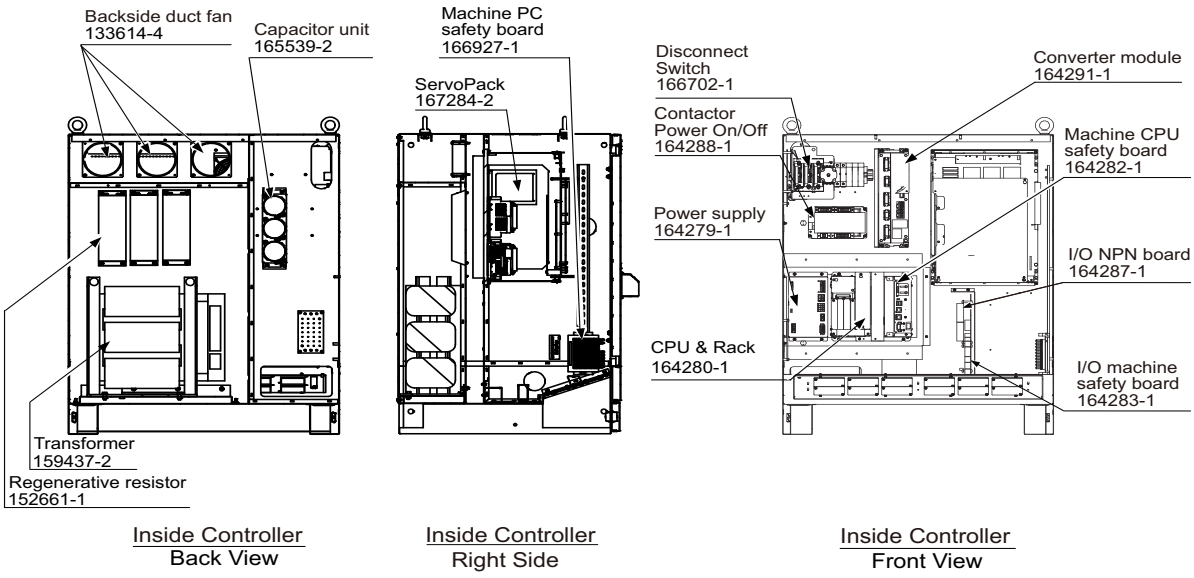
Inside Controller
Right Side

Inside Controller
Front View

Model	DX200
MA1440	ERER-MA1440/MH12-A00
MH12	

A.1.1.2 Medium and Large-Capacity DX200 Controller

Fig. A-2: Configuration for Medium and Large Capacity



Model	DX200
MS210	ERER-MS210/MH225-A00
MH225	
MS165	ERER-MS165/MH180-A00
MH180	

DX200
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