

1-5-2 Self-diagnosis

(1) Self-diagnostic function

This unit is equipped with a self-diagnostic function. When a problem is detected, copying is disabled and the problem displayed as a code consisting of C followed by a number between 0060 and 9080, indicating the nature of the problem. A message is also displayed requesting the user to call for service.

After removing the problem, the self-diagnostic function can be reset by turning front cover/feed cover switch off and back on.



Figure 1-5-1

List of system errors

When an unexpected error is detected for some reason, a system error will be indicated. (When 0800 error is detected, JAM05 is indicated.) After a system error is indicated, the error can be cleared by turning the power switch off and then on. If the error is detected continuously, however, perform the operation shown in Table 1-5-1. If a system error occurs frequently, a fault may have occurred. Check the details of the C call to take proper measures.

System error	Contents	Operation
0420	Side feeder communication error	System error → Normal service call processing
0610	Bitmap problem	System error → Normal service call processing
0630	DMA problem	Repetition of system error → service call → system error
0640	Hard disk problem	System error → Normal service call processing
0800	Secondary feed time-out	Repetition of JAM05 → system error → JAM05
4100	BD initialization (A) problem	System error → Normal service call processing
4110	BD initialization (B) problem	System error → Normal service call processing
4120	BD initialization (C) problem	System error → Normal service call processing
4200	BD steady-state problem	System error → Normal service call processing

Table1-5-1

Partial operation control

If any of the following calls for service is detected, partial operation control will be activated. After taking measures against the cause of trouble, run maintenance item U906 to reset partial operation control.

Code	Contents
C0250	Network scanner board* communication problem
C0410	DP communication problem
C0420	Side feeder* communication error
C0640	Hard disk problem
C1010	Lift motor 1 error
C1020	Lift motor 2 error
C1030	Lift motor 3 error
C1040	Lift motor 4 error
C1140	Side feeder lift motor going up error (optional side feeder)
C1150	Side feeder lift motor going down error (optional side feeder)
C1200	Duplex side registration motor error
C2640	Side feeder drive motor error
C3210	Exposure lamp problem
C3310	Optical system (AGC) problem (DP)
C8010	Document finisher* paper conveying motor problem
C8020	Document finisher* punch motor problem
C8030	Document finisher* upper paper conveying belt problem
C8040	Document finisher* lower paper conveying belt problem
C8140	Document finisher* main tray problem
C8150	Document finisher* multi job tray problem
C8170	Document finisher* front upper side registration guide problem
C8180	Document finisher* rear upper side registration guide problem
C8190	Document finisher* lower side registration guide problem
C8210	Document finisher* front stapler problem
C8220	Document finisher* front clincher problem
C8230	Document finisher* rear stapler problem
C8240	Document finisher* rear clincher problem
C8300	Document finisher* centerfold unit communication problem
C8310	Document finisher* centerfold unit side registration guide problem
C8320	Document finisher* centerfold unit centering plate problem
C8330	Document finisher* centerfold blade problem
C9040	DP lift motor going up error
C9050	DP lift motor going down error
C9060	DP EEPROM error
C9070	Communication problem between DP and SHD
C9080	Communication problem between DP and CIS

*Optional.

(2) Self diagnostic codes

*The option equipment.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C0060	Main PWB type mismatch error	Poor contact in the connector terminals.	Check the connection of connector YC26 on the main PWB and relay board, and the continuity across the connector terminals. Repair if necessary. If the problem is not solved, run maintenance item U935 (see page 1-4-73) and return the relay board to the Service Administrative Division.
C0100	Backup memory read/write problem • Read and write data does not match.	Defective main PWB.	Replace the main PWB and check for correct operation.
C0110	Backup memory data problem (main PWB) • Data in the specified area of the backup memory does not match the specified values.	Problem with the backup memory data.	Run maintenance item U021 to set the contents of the backup memory data again.
		Defective main PWB.	If the C0110 is displayed after initializing the backup memory, replace the main PWB and check for correct operation.
C0130	Backup memory (EEPROM) device problem	Defective main PWB.	Replace the main PWB and check for correct operation.
		Device damage of EEPROM.	Contact the Service Administrative Division.
C0140	Backup memory (EEPROM) data problem	Data damage of EEPROM.	Contact the Service Administrative Division.
C0150	Backup memory device problem (Engine PWB) • An error occurs in backup data read or write for the engine PWB.	Data damage of EEPROM.	Contact the Service Administrative Division.
C0160	Backup memory data problem (Engine PWB) • Data for backup data check is changed at the check after startup.	Problem with the backup memory data.	Run maintenance item U022 to initialize the backup memory data (see page 1-4-11).
		Defective engine PWB.	If the C0160 is displayed after initializing the backup memory, replace the engine PWB and check for correct operation.
C0170	Copy counts problem • A checksum error is detected in the main and engine backup memories for the copy counters.	Data damage of EEPROM.	Contact the Service Administrative Division.
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Defective engine PWB.	Replace the engine PWB and check for correct operation.
C0180	Machine number mismatch error • Machine number of main PWB and engine PWB does not match.	Data damage of EEPROM.	Contact the Service Administrative Division.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C0210	CPU communication problem <ul style="list-style-type: none"> Synchronization cannot be taken between the main CPU and engine CPU. 	Defective main PWB.	Replace the main PWB.
		Poor contact in the connector terminals.	Check the connection of connector YC1 on the main PWB and YC1 on the engine PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
C0220	CPU communication problem <ul style="list-style-type: none"> Synchronization cannot be taken between the main CPU and scanner CPU. 	Defective main PWB.	Replace the main PWB.
		Poor contact in the connector terminals.	Check the connection of connector YC2 on the engine PWB and YC5 on the scanner PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective scanner PWB.	Replace the scanner PWB.
C0240	Printer board* communication problem <ul style="list-style-type: none"> The printer board does not respond 120 seconds after the power is turned on. 	Poor contact in the connector terminals.	Check the connection of connector YC9 on the main PWB and YC5 on the printer board, and the continuity across the connector terminals. Repair or replace if necessary.
		DIMM installed incorrectly.	Check the connection. Repair or replace if necessary.
		Defective main PWB or printer board.	Replace the main PWB or printer board and check for correct operation.
C0250	Network scanner board* communication problem <ul style="list-style-type: none"> The response to the alive command to the network scanner transmitted once to 30 s does not come on the contrary three consecutive times or more. The response to the communication command transmitted to the network scanner does not return 75 s or more. 	Poor contact in the connector terminals.	Check the connection of connector YC3 on the main PWB and the connector on the network scanner board, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective main PWB or network scanner board.	Replace the main PWB or network scanner board and check for correct operation.
C0330	Relay board communication problem	Poor contact in the connector terminals.	Check the connection of connector YC26 on the main PWB and relay board, and the continuity across the connector terminals. Repair if necessary. If the problem is not solved, run maintenance item U935 (see page 1-4-73) and return the relay board to the Service Administrative Division.
C0410	DP communication problem <ul style="list-style-type: none"> There is no reply after 5 retries at communication or a communication error occurs. 	Poor contact in the connector terminals.	Check the connection of connector YC6 on the scanner PWB and YC1 on the DP main PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective DP main PWB.	Replace the DP main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C0420	Side feeder* communication error <ul style="list-style-type: none"> Reception is not normally completed even after 40 times of retry at startup or 5 times of retry in normal operation. 	Poor contact in the connector terminals.	Check the connection of connector YC15 on the engine PWB and the connector YC3 on the side feeder main PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
		Defective side feeder main PWB.	Replace the side feeder main PWB.
C0440	Document finisher communication problem (optional document finisher) <ul style="list-style-type: none"> A communication error from document finisher is detected 10 times in succession. 	Poor contact in the connector terminals.	Check the connection of connector YC14 on the engine PWB and YC4 on the finisher main PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
		Defective finisher main PWB.	Replace the finisher main PWB.
C0460	Duplex unit communication problem <ul style="list-style-type: none"> A communication error from duplex section is detected 10 times in succession. 	Poor contact in the connector terminals.	Check the connection of connector YC2 on the engine PWB and YC2 on the duplex PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
		Defective duplex PWB.	Replace the duplex PWB.
C0500	Paper feed unit communication error (cassette 1 and 2) <ul style="list-style-type: none"> A communication error is detected 10 times in succession. 	Poor contact in the connector terminals.	Check the connection of connector YC3 on the engine PWB and YC2 on the deck PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
C0510	Paper feed unit communication error (cassette 3 and 4) <ul style="list-style-type: none"> A communication error is detected 10 times in succession. 	Poor contact in the connector terminals.	Check the connection of connector YC4 on the engine PWB and YC2 on the cassette PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
C0610	Bitmap problem <ul style="list-style-type: none"> The DIMM on the scanner main PWB does not operate correctly. 	Defective main PWB.	Replace the main PWB and check for correct operation.
C0630	DMA problem <ul style="list-style-type: none"> DMA transmission of compressed, decompressed, rotated, relocated or blanked-out image data does not complete within the specified period of time. 	Defective main PWB.	Replace the main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C0640	Hard disk problem <ul style="list-style-type: none"> The hard disk cannot be accessed. 	Poor contact in the connector terminals.	Check the connection of connector YC11 on the engine PWB and the hard disk, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective hard disk.	Run U906 (Resetting partial operation control) to cancel partial operation control. Run U024 (HDD formatting) without turning the power off to initialize the hard disk. Replace the hard disk drive and check for correct operation if the problem is still detected after initialization.
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Defective cable.	Replace cable of the hard disk.
C0700	Side feeder EEPROM error (optional side feeder) <ul style="list-style-type: none"> An error occurs in EEPROM (U4) data read or write for the side feeder main PWB. 	Defective side feeder main PWB.	Replace the side feeder main PWB.
C0750	Document finisher* EEPROM error <ul style="list-style-type: none"> A backup memory error is received in serial communication data from the finisher. 	Defective optional document finisher.	Replace the document finisher with another unit and check the operation. If the operation is normal, replace or repair the document finisher (see the service manual for the document finisher).
C0960	Developing unit EEPROM error	Poor contact in the connector terminals.	Check the connection of connector YC5 on the engine PWB and the developing unit, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
		Defective developing unit.	Replace the developing unit (see page 1-6-60).
C0970	Cleaning unit EEPROM error	Poor contact in the connector terminals.	Check the connection of connector YC5 on the engine PWB and the cleaning unit, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective engine PWB.	Replace the engine PWB.
		Defective cleaning unit.	Replace the cleaning unit (see page 1-6-66).

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C1010	Lift motor 1 error <ul style="list-style-type: none"> When cassette 1 is inserted, lift limit switch 1 does not turn on within 33 s of lift motor 1 turning on. During copying, lift limit switch 1 does not turn on within 1 s of lift motor 1 turning on. 	Broken gears or couplings of lift motor 1.	Replace lift motor 1.
		Defective lift motor 1.	Check for continuity across the coil. If none, replace lift motor 1.
		Poor contact of lift motor 1 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective lift limit switch 1.	Run maintenance item U031 and turn lift limit switch 1 on and off manually. Replace lift limit switch 1 if indication of the corresponding sensor on the touch panel is not displayed in reverse.
		Poor contact of lift limit switch 1 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective deck PWB.	Replace the deck PWB.
C1020	Lift motor 2 error <ul style="list-style-type: none"> When cassette 2 is inserted, lift limit switch 2 does not turn on within 33 s of lift motor 2 turning on. During copying, lift limit switch 2 does not turn on within 1 s of lift motor 2 turning on. 	Broken gears or couplings of lift motor 2.	Replace lift motor 2.
		Defective lift motor 2.	Check for continuity across the coil. If none, replace lift motor 2.
		Poor contact of lift motor 2 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective lift limit switch 2.	Run maintenance item U031 and turn lift limit switch 2 on and off manually. Replace lift limit switch 2 if indication of the corresponding sensor on the touch panel is not displayed in reverse.
		Poor contact of lift limit switch 2 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective deck PWB.	Replace the deck PWB.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C1030	Lift motor 3 error <ul style="list-style-type: none"> When cassette 3 is inserted, lift limit switch 3 does not turn on within 33 s of lift motor 3 turning on. During copying, lift limit switch 3 does not turn on within 1 s of lift motor 3 turning on. 	Broken gears or couplings of lift motor 3.	Replace lift motor 3.
		Defective lift motor 3.	Check for continuity across the coil. If none, replace lift motor 3.
		Poor contact of lift motor 3 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective lift limit switch 3.	Run maintenance item U031 and turn lift limit switch 3 on and off manually. Replace lift limit switch 3 if indication of the corresponding sensor on the touch panel is not displayed in reverse.
		Poor contact of lift limit switch 3 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective cassette PWB.	Replace the cassette PWB
C1040	Lift motor 4 error <ul style="list-style-type: none"> When cassette 4 is inserted, lift limit switch 4 does not turn on within 33 s of lift motor 4 turning on. During copying, lift limit switch 4 does not turn on within 1 s of lift motor 4 turning on. 	Broken gears or couplings of lift motor 4.	Replace lift motor 4.
		Defective lift motor 4.	Check for continuity across the coil. If none, replace lift motor 4.
		Poor contact of lift motor 4 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective lift limit switch 4.	Run maintenance item U031 and turn lift limit switch 4 on and off manually. Replace lift limit switch 4 if indication of the corresponding sensor on the touch panel is not displayed in reverse.
		Poor contact of lift limit switch 4 connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective cassette PWB.	Replace the cassette PWB.
C1140	Side feeder lift motor going up error (optional side feeder) <ul style="list-style-type: none"> Upper limit detection switch does not turn off within 15 s of the side feeder lift motor starting (within 200 ms during paper feeding). 	Poor contact of upper limit detection switch connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective side feeder main PWB.	Replace the side feeder main PWB.
		Defective side feeder lift motor.	Run maintenance mode U247 and measure the voltage between terminals YC5-A12 (side feeder main circuit board) and YC6-B11. (Make sure all of LUSSW, UCSSW, LLSSW and RCSSW are off.) Despite either DC24V or DC-24V is observed but if the side feeder lift motor does not operate, replace the side feeder lift motor.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C1150	Side feeder lift motor going down error (optional side feeder) <ul style="list-style-type: none"> Lower limit detection switch does not turn off within 15 s of the side feeder lift motor starting (within 200 ms during paper feeding). 	Poor contact of lower limit detection switch connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective side feeder main PWB.	Replace the side feeder main PWB.
		Defective side feeder lift motor.	Run maintenance mode U247 and measure the voltage between terminals YC5-A12 (side-feeder main circuit board) and YC6-B11. (Make sure all of LUSSW, UCSSW, LLSSW and RCSSW are off.) Despite either DC24V or DC-24V is observed but if the side-feeder lift motor does not operate, replace the side-feeder lift motor.
C1200	Duplex side registration motor error <ul style="list-style-type: none"> The duplex side registration home position sensor does not detect the home position of the side registration guide. 	Defective duplex side registration home position sensor.	Check the connection of connector YC29 on the engine PWB and the connector YC1 on the duplex PWB. Repair or replace if necessary.
		Defective duplex side registration motor.	Replace the duplex side registration motor.
		Defective duplex PWB.	Replace the duplex PWB.
C2100	Developing motor error <ul style="list-style-type: none"> LOCK signal remains high for 1 s, 1 s after the developing motor has turned on. 	Poor contact in the developing motor connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective developing motor rotation control circuit.	Replace the developing motor.
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective duplex PWB.	Replace the duplex PWB.
C2200	Drive motor error <ul style="list-style-type: none"> LOCK signal remains high for 1 s, 1 s after the drive motor has turned on. 	Poor contact in the drive motor connector terminals.	Check the connection of connector YC2 and YC11 on the deck PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective drive motor rotation control circuit.	Replace the drive motor.
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective deck PWB or engine PWB.	Replace the deck PWB or the engine PWB.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C2300	Fuser motor error • LOCK signal remains high for 1 s, 1 s after the fuser motor has turned on.	Poor contact in the fuser motor connector terminals.	Check the connection of connector YC2 and YC4 on the duplex PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective fuser motor rotation control circuit.	Replace the fuser motor.
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective duplex PWB or engine PWB.	Replace the duplex PWB or the engine PWB.
C2550	Transfer motor error • LOCK signal remains high for 1 s, 1 s after the transfer motor has turned on.	Poor contact in the transfer motor connector terminals.	Check the connection of connector YC2 and YC3 on the cassette PWB and YC4 on the engine PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective transfer motor rotation control circuit.	Replace the transfer motor.
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective cassette PWB or engine PWB.	Replace the cassette PWB or the engine PWB.
C2640	Side feeder drive motor error	Overloaded side feeder drive motor	Verify that the side feeder motor or the paper feeding mechanism is not interrupted by any objects.
		Defective side feeder drive motor.	Replace the side feeder drive motor.
		Defective side feeder main PWB.	Replace the side feeder main PWB.
C3100	Scanner carriage problem • The home position is not correct when the power is turned on or at the start of copying using the MP tray.	Defective scanner PWB.	Replace the scanner PWB and check for correct operation.
		Defective scanner home position switch.	Replace the scanner home position switch.
		Defective scanner motor.	Replace the scanner motor.
		Poor contact in the connector terminals.	Check the connection of connector YC2, YC5 and YC10 on the scanner PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective mirror flame, exposure lamp or scanner wire.	Check if the mirror flames and exposure lamp are on the rail. And check the scanner wire winds correctly.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C3200	Exposure lamp problem • Check the CCD input value for the lighting status of the exposure lamp 500 ms after the exposure lamp is lit and the carriage is moved to the shading position. If the exposure lamp does not light, a further 100 ms later, check the CCD input. The exposure lamp does not light after 50 retries.	Defective scanner PWB.	Replace the scanner PWB and check for correct operation.
		Defective exposure lamp or inverter PWB.	Replace the exposure lamp or inverter PWB.
		Incorrect shading position.	Adjust the position of the contact glass (shading plate). If the problem still occurs, replace the scanner home position switch.
		Poor contact of the connector terminals.	Check the connection of connectors YC3, YC4 and YC5 on the scanner PWB, YC5, YC6 and YC8 on the SHD PWB and YC1, YC2 and YC3 on the CCD PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective CCD PWB.	Replace the CCD PWB and check for correct operation.
C3210	CIS lamp problem • After the reading starting, when input value at the time of CIS illumination does not exceed the threshold value between 5 s.	Defective DP main PWB.	Replace the DP main PWB and check for correct operation.
		Poor contact in the connector terminals.	Check the connection of connector YC2 on the DP main PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective CIS.	Replace CIS and check for correct operation (see page 1-6-87).
		Defective DP inverter PWB.	Replace the DP inverter PWB and check for correct operation.
C3300	Optical system (AGC) problem • After AGC, correct input is not obtained at CCD.	Insufficient exposure lamp luminosity.	Replace the exposure lamp or inverter PWB.
		Defective scanner PWB.	Replace the scanner PWB and check for correct operation.
		Incorrect shading position.	Adjust the position of the contact glass (shading plate). If the problem still occurs, replace the scanner home position sensor.
		CCD PWB output problem.	Replace the ISU (see page 1-6-46).
		Poor contact of the connector terminals.	Check the connection of connectors YC5, YC6 and YC8 on the SHD PWB and YC1, YC2 and YC3 on the CCD PWB, and the continuity across the connector terminals. Repair or replace if necessary.
C3310	Optical system (AGC) problem (DP) • After AGC, correct input is not obtained at CIS.	Defective DP main PWB.	Replace the DP main PWB and check for correct operation.
		CIS output problem.	Replace CIS (see page 1-6-87).
		Defective DP inverter PWB.	Replace the DP inverter PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C3500	Communication error between scanner and SHD • An error code is detected.	Defective SHD PWB.	Replace the SHD PWB and check for correct operation.
		Poor contact in the connector terminals.	Check the connection of connector YC3 on the scanner PWB and YC4 on the SHD PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective scanner PWB.	Replace the scanner PWB and check for correct operation.
C3900	Backup memory read/write error (scanner PWB) • Read and write data does not match.	Defective back up RAM or scanner PWB.	Replace the scanner PWB and check for correct operation.
C3910	Backup memory read/write error (scanner PWB) • Data in the specified area of the backup memory does not match the specified values.	Problem with the backup memory data.	Run maintenance item U022 to initialize the backup memory data.
		Defective scanner PWB.	If the C3910 is displayed after initializing the backup memory, replace the main PWB and check for correct operation.
C4000	Polygon motor synchronization problem • The revolution does not reach the stable speed within 20 s of the START signal.	Poor contact in the polygon motor connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective polygon motor.	Replace the laser scanner unit (see page 1-6-42).
		Defective engine PWB.	Check if 24 V DC is supplied to YC17-1 on the engine PWB. If not, replace the engine PWB.
C4010	Polygon motor steady-state problem • The polygon motor rotation is not stable for 5 s after the polygon motor rotation has been stabilized.	Poor contact in the polygon motor connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective polygon motor.	Replace the laser scanner unit (see page 1-6-42).
		Defective engine PWB.	Check if 24 V DC is supplied to YC17-1 on the engine PWB. If not, replace the engine PWB.
C4100	BD initialization (A) problem • When power is turned on, only laser A is output and ASIC of main PWB detects a BD error for 2000 ms.	Defective laser scanner unit.	Replace the laser scanner unit (see page 1-6-42).
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Poor contact in connector terminals.	Check the connection of connector YC8 on the main PWB. Repair or replace if necessary.
C4110	BD initialization (B) problem • When power is turned on, only laser B is output and ASIC of main PWB detects a BD error for 2000 ms.	Defective laser scanner unit.	Replace the laser scanner unit (see page 1-6-42).
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Poor contact in connector terminals.	Check the connection of connector YC8 on the main PWB and the continuity across the connector terminals. Repair or replace if necessary.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C4120	BD initialization (C) problem <ul style="list-style-type: none"> When power is turned on, only laser C is output and ASIC of main PWB detects a BD error for 2000 ms. 	Defective laser scanner unit.	Replace the laser scanner unit (see page 1-6-42).
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Poor contact in connector terminals.	Check the connection of connector YC8 on the main PWB and the continuity across the connector terminals. Repair or replace if necessary.
C4200	BD steady-state problem <ul style="list-style-type: none"> ASIC of the main PWB detects a BD error A for 4000 ms after the polygon motor rotation has been stabilized. 	Defective laser diode.	Replace the laser scanner unit (see page 1-6-42).
		Defective polygon motor.	Replace the laser scanner unit (see page 1-6-42).
		Defective main PWB.	Replace the main PWB and check for correct operation.
		Poor contact in connector terminals.	Check the connection of connector YC8 on the main PWB and the continuity across the connector terminals. Repair or replace if necessary.
C5100	Main high-voltage error <ul style="list-style-type: none"> While the main high-voltage output remote signal is on, an alarm signal is detected continuously for 400 ms. 	Defective high voltage PWB.	Replace the high voltage PWB and check for correct operation.
		Leak of main high-voltage.	Check the main charger unit and replace if necessary (see page 1-6-31).
		Poor contact in connector terminals.	Check the connection of connector YC7 on the engine PWB and the continuity across the connector terminals. Repair or replace if necessary.
C5500	Drum surface potential sensor problem 1 <ul style="list-style-type: none"> The sensor output is 0.5 V or less when MC REM signal is turned on. 	Poor contact in the drum surface potential sensor connector terminals.	Check the connection of connector YC5 on the engine PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, repair or replace the cable.
		Defective drum surface potential sensor.	Replace the drum surface potential sensor.
		Defective high voltage PWB.	Replace the high voltage PWB and check for correct operation.
		Defective engine PWB.	Replace the engine PWB and check for correct operation.
C5510	Drum surface potential sensor problem 2 <ul style="list-style-type: none"> The sensor output is 4.5 V or more when the MC REM signal is turned on. 	Defective drum surface potential sensor.	Replace the drum surface potential sensor.
		Defective high voltage PWB.	Replace the high voltage PWB and check for correct operation.
		Poor contact in the drum surface potential sensor.	Check the connection of connector YC5 on the engine PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C5600	Drum surface potential problem 1 <ul style="list-style-type: none"> • Grid voltage at 4.5 V could not determine the potential. • Potential adjustment in 30 times could not raise the potential sensor value to the predetermined. 	Deteriorated main charger.	Check the main charger wire and replace it if necessary (see page 1-6-33).
		Grid or main charger shield is dirty.	Clean the grid or main charger shield if necessary.
		Defective drum surface potential sensor.	Replace the drum surface potential sensor.
		Defective high voltage PWB.	Replace the high voltage PWB and check for correct operation.
		Defective engine PWB.	Replace the engine PWB and check for correct operation.
C5610	Drum surface potential problem 2 <ul style="list-style-type: none"> • Grid voltage at 0.3 V could not determine the potential. • Potential adjustment in 30 times could not lower the potential sensor value to the predetermined. 	Defective drum surface potential sensor.	Replace the drum surface potential sensor.
		Defective high voltage PWB.	Replace the high voltage PWB and check for correct operation.
		Defective drum.	Replace the drum (see page 1-6-56).
		Defective engine PWB.	Replace the engine PWB.
C6000	Fuser heater lamp break <ul style="list-style-type: none"> • The fuser temperature does not increase for 40 s after the fuser heaters have been turned on for warming up. • The fuser temperature remains below 50 °C/122 °F for 10 s continuously after the fuser heaters have been turned on during stabilization. 	Installation defectiveness on fuser thermistor M and S.	Check the mounting state of the fuser thermistor M and S. If any problem is found, repair it.
		Defective fuser thermostat.	Replace the fuser thermostat (see page 1-6-75).
		Installation defectiveness on fuser heater L, M or S.	Check the mounting state of the fuser thermistor L, M and S. If any problem is found, repair it.
		Broken fuser heater L, M and S wire.	Check for continuity. If none, replace the fuser heater L, M and S (see page 1-6-76).
		Defective engine PWB.	Replace the engine PWB.
		Defective AC power source PWB.	Replace the AC power source PWB.
C6020	Fuser thermistor high-temperature detection error <ul style="list-style-type: none"> • The fuser temperature exceeds 235 °C/455 °F for 10 s. • The fuser high-temperature signal is detected for continuous 500 ms. 	Installation defectiveness on fuser thermistor M and S.	Check the mounting state of the fuser thermistor M and S. If any problem is found, repair it.
		Defective fuser thermistor M and S.	Replace the fuser thermistor M and S (see page 1-6-75).
		Defective engine PWB.	Replace the engine PWB.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C6030	Fuser thermistor break error <ul style="list-style-type: none"> The fuser temperature remains at lower than 1 °C/33.8 °F for 30 s continuously when the fuser heater is on. 	Defective engine PWB.	Replace the engine PWB.
		Defective AC power source PWB.	Replace the AC power source PWB.
		Installation defectiveness on fuser thermistor M and S.	Check the mounting state of the fuser thermistor M and S. If any problem is found, repair it.
C6050	Fuser thermistor abnormal temperature detection <ul style="list-style-type: none"> During copying, the temperature at the heat roller lower than 120 °C/248 °F is detected continuously for 5 s. 	Installation defectiveness on fuser thermistor M and S.	Check the mounting state of the fuser thermistor M and S. If any problem is found, repair it.
		Operation on fuser thermostat.	Check for continuity. If none, replace the fuser thermostat.
		Installation defectiveness on fuser heater L, M or S.	Check the mounting state of the fuser thermistor L, M and S. If any problem is found, repair it.
		Broken fuser heater L, M and S wire.	Check for continuity. If none, replace the fuser heater L, M and S (see page 1-6-76).
		Defective engine PWB.	Replace the engine PWB.
		Defective AC power source PWB.	Replace the AC power source PWB.
C6400	Zero-cross signal error <ul style="list-style-type: none"> The engine PWB does not detect the zero-crossing signal (Z CROSS SIG) for 5 s. 	Poor contact in the connector terminals.	Check the connection of connector YC11 on the engine PWB and YC6 on the DC power source PWB, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective DC power source PWB.	Check if the zero-crossing signal is output from YC6-3 on the DC power source PWB. If not, replace the DC power source PCB.
		Defective engine PWB.	Replace the engine PWB if C6400 is detected while YC6-3 on the DC power source PWB outputs the zero-crossing signal.
C7200	Broken internal thermistor wire <ul style="list-style-type: none"> The thermistor output value is 4.5 V or more. 	Poor contact in the connector terminals.	Check the connection of connector YC23 on the engine PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective developing humidity sensor.	Replace the developing humidity sensor.
		Defective engine PWB.	Replace the engine PWB.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C7210	Short-circuited internal thermistor <ul style="list-style-type: none"> The thermistor input value is 0.5 V or less. 	Poor contact in the connector terminals.	Check the connection of connector YC23 on the engine PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective developing humidity sensor.	Replace the developing humidity sensor.
		Defective engine PWB.	Replace the engine PWB.
C7300	Toner hopper problem <ul style="list-style-type: none"> During toner replenishment after toner empty has been detected, toner empty could not be cleared in 3 times of 360 s. 	Defective toner level detection sensor.	Replace the toner level detection sensor.
		Poor contact in the toner level detection sensor connector terminals.	Check the connection of connectors YC2 and YC5 on the deck PWB and YC3 on the engine PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
C7800	Broken external thermistor wire <ul style="list-style-type: none"> The thermistor output value is 4.5 V or more. 	Poor contact in the connector terminals.	Check the connection of connector YC13 on the engine PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective humidity sensor.	Replace the humidity sensor.
C7810	Short-circuited external thermistor <ul style="list-style-type: none"> The thermistor input value is 0.5 V or less. 	Poor contact in the connector terminals.	Check the connection of connector YC13 on the engine PWB and the continuity across the connector terminals. Repair or replace if necessary.
		Defective humidity sensor.	Replace the humidity sensor.
		Defective engine PWB.	Replace the engine PWB.
C8010	Document finisher* paper conveying motor problem <ul style="list-style-type: none"> The LOCK signal of the paper conveying motor is detected for more than 500 ms while the paper conveying motor is operating. However, the first 1 s after the paper conveying motor is turned on is excluded from detection. 	Loose connection of the paper conveying motor connector.	Check the connection of connector YC14 on the finisher main PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective paper conveying motor.	Replace the paper conveying motor and check for correct operation.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8020	Document finisher* punch motor problem <ul style="list-style-type: none"> The LOCK signal of the punch motor is detected for more than 500 ms while the punch motor is operating. However, the first 1 s after the punch motor is turned on is excluded from detection. 	Loose connection of the punch motor connector.	Check the connection of connector YC13 on the finisher main PWB and YC1 on the punch PWB. Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective punch motor.	Replace the punch motor and check for correct operation.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8030	<p>Document finisher* upper paper conveying belt problem</p> <ul style="list-style-type: none"> During initialization, the intermediate tray upper sliding plate is not detected in the home position within 3 s after the belt returns to the home position. JAM87 is indicated the first time this problem occurs. If the problem reoccurs after initialization when the front cover is opened and closed, the problem is in the upper paper conveying belt. When the intermediate tray upper sliding plate is operated from the home position, the upper paper conveying belt home position sensor does not turn off within 1 s. 	Phase shift of the upper paper conveying belt.	Correct the phase of the upper paper conveying belt and check for correct operation.
		Malfunction of the upper paper conveying belt motor.	Replace the upper paper conveying belt motor and check for correct operation.
		Malfunction of the upper paper conveying belt home position sensor.	Replace the upper paper conveying belt home position sensor and check for correct operation.
		Loose connection of the upper paper conveying belt home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Incorrect insertion of the intermediate tray.	Check whether the intermediate tray catches are damaged.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
		C8040	<p>Document finisher* lower paper conveying belt problem</p> <ul style="list-style-type: none"> During initialization, the intermediate tray lower sliding plate is not detected in the home position within 3 s after the belt returns to the home position. JAM87 is indicated the first time this problem occurs. If the problem reoccurs after initialization when the front cover is opened and closed, the problem is in the lower paper conveying belt. When the intermediate tray lower sliding plate is operated from the home position, the lower paper conveying belt home position sensor does not turn off within 1 s.
Malfunction of the lower paper conveying belt motor.	Replace the lower paper conveying belt motor and check for correct operation.		
Malfunction of the lower paper conveying belt home position sensor.	Replace the lower paper conveying belt home position sensor and check for correct operation.		
Loose connection of the lower paper conveying belt home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.		
Incorrect insertion of the intermediate tray.	Check whether the intermediate tray catches are damaged.		
Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.		

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8140	Document finisher* main tray problem <ul style="list-style-type: none"> When the main tray is not detected by the main tray upper limit detection sensor or the main tray load detection sensor within 20 s from the moment it starts ascending. During main tray descent, the main tray upper limit detection sensor or the main tray load detection sensor does not turn off within 500 ms after it turns on. During main tray ascent, the main tray upper limit detection sensor or the main tray load detection sensor stays on for more than 2 s. 	Loose connection of the main tray elevation motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the main tray elevation motor.	Replace the main tray elevation motor and check for correct operation.
		Malfunction of the main tray upper limit detection sensor.	Replace the main tray upper limit detection sensor and check for correct operation.
		Loose connection of the main tray upper limit detection sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the main tray load detection sensor.	Replace the main tray load detection sensor and check for correct operation.
		Loose connection of the main tray load detection sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8150	Document finisher* multi job tray problem <ul style="list-style-type: none"> When the multi job tray is not detected by the multi job tray upper limit detection sensor within 20 s from the moment it starts ascending. During multi job tray descent, the multi job tray upper limit detection sensor does not turn off within 500 ms after it turns on. 	Loose connection of the multi job tray elevation motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the multi job tray elevation motor.	Replace the multi job tray elevation motor and check for correct operation.
		Malfunction of the multi job tray upper limit detection sensor.	Replace the multi job tray upper limit detection sensor and check for correct operation.
		Loose connection of the multi job tray upper limit detection sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8170	Document finisher* front upper side registration guide problem <ul style="list-style-type: none"> During initialization, the front upper side registration guide is not detected in the home position within 3 s after the guide returns to the home position. JAM87 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the front upper side registration guide. When the front upper side registration guide is operated from the home position, the front upper side registration home position sensor does not turn off within 500 ms. 	Loose connection of the front upper side registration guide motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the front upper side registration guide motor.	Replace the front upper side registration guide motor and check for correct operation.
		Malfunction of the front upper side registration guide home position sensor.	Replace the front upper side registration guide home position sensor and check for correct operation.
		Loose connection of the front upper side registration guide home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8180	Document finisher* rear upper side registration guide problem <ul style="list-style-type: none"> During initialization, the rear upper side registration guide is not detected in the home position within 3 s after the guide returns to the home position. JAM87 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the rear upper side registration guide. When the rear upper side registration guide is operated from the home position, the rear upper side registration home position sensor does not turn off within 500 ms. 	Loose connection of the rear upper side registration guide motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the rear upper side registration guide motor.	Replace the rear upper side registration guide motor and check for correct operation.
		Malfunction of the rear upper side registration guide home position sensor.	Replace the rear upper side registration guide home position sensor and check for correct operation.
		Loose connection of the rear upper side registration guide home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8190	Document finisher* lower side registration guide problem <ul style="list-style-type: none"> During initialization, the front/rear lower side registration guides are not detected in the home position within 3 s after the guide returns to the home position. JAM87 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the lower side registration guide. When the lower side registration guide is operated from the home position, the lower side registration home position sensor does not turn off within 500 ms. 	Loose connection of the lower side registration guide motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfuction of the lower side registration guide motor.	Replace the lower side registration guide motor and check for correct operation.
		Malfuction of the lower side registration guide home position sensor.	Replace the lower side registration guide home position sensor and check for correct operation.
		Loose connection of the lower side registration guide home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8210	Document finisher* front stapler problem <ul style="list-style-type: none"> During initialization, the front stapler is not detected in the home position within 500 ms after the front stapler returns to the home position. JAM90 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the front stapler. When the front stapler is operated from the home position, the front stapler home position sensor does not turn off within 500 ms. 	Loose connection of the front stapler motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfuction of the front stapler motor.	Replace the front stapler motor and check for correct operation.
		Malfuction of the front stapler home position sensor.	Replace the front stapler home position sensor and check for correct operation.
		Loose connection of the front stapler home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8220	Document finisher* front clincher problem <ul style="list-style-type: none"> During initialization, the front clincher is not detected in the home position within 500 ms after the front clincher returns to the home position. JAM90 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the front clincher. When the front clincher is operated from the home position, the front clincher home position sensor does not turn off within 500 ms. 	Loose connection of the front clincher motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfuction of the front clincher motor.	Replace the front clincher motor and check for correct operation.
		Malfuction of the front clincher home position sensor.	Replace the front clincher home position sensor and check for correct operation.
		Loose connection of the front clincher home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8230	Document finisher* rear stapler problem <ul style="list-style-type: none"> During initialization, the rear stapler is not detected in the home position within 500 ms after the rear stapler returns to the home position. JAM90 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the rear stapler. When the rear stapler is operated from the home position, the rear stapler home position sensor does not turn off within 500 ms. 	Loose connection of the rear stapler motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the rear stapler motor.	Replace the rear stapler motor and check for correct operation.
		Malfunction of the rear stapler home position sensor.	Replace the rear stapler home position sensor and check for correct operation.
		Loose connection of the rear stapler home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8240	Document finisher* rear clincher problem <ul style="list-style-type: none"> During initialization, the rear clincher is not detected in the home position within 500 ms after the rear clincher returns to the home position. JAM90 is indicated the first time this problem occurs. If the problem occurs after initialization when the front cover is opened and closed, the problem is in the rear clincher. When the rear clincher is operated from the home position, the rear clincher home position sensor does not turn off within 500 ms. 	Loose connection of the rear clincher motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the rear clincher motor.	Replace the rear clincher motor and check for correct operation.
		Malfunction of the rear clincher home position sensor.	Replace the rear clincher home position sensor and check for correct operation.
		Loose connection of the rear clincher home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.
C8300	Document finisher* centerfold unit communication problem <ul style="list-style-type: none"> Communication with the centerfold unit is not possible although the connection is detected. 	Loose connection of the centerfold unit set switch connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective centerfold unit set switch.	Replace the centerfold unit set switch and check for correct operation.
		Defective centerfold unit main PWB.	Replace the centerfold unit main PWB and check for correct operation.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8310	Document finisher* centerfold unit side registration guide problem <ul style="list-style-type: none"> • During initialization, the front/rear side registration guides are not detected in the home position within 600 ms after the guide returns to the home position. • When the side registration guide is operated from the home position, the side registration guide home position sensor does not turn off within 100 ms. 	Loose connection of the side registration guide motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfuction of the side registration guide motor.	Replace the side registration guide motor and check for correct operation.
		Malfuction of the side registration guide home position sensor.	Replace the side registration guide home position sensor and check for correct operation.
		Loose connection of the side registration guide home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective centerfold unit main PWB.	Replace the centerfold unit main PWB and check for correct operation.
C8320	Document finisher* centerfold unit centering plate problem <ul style="list-style-type: none"> • During initialization, the centering plate is not detected in the home position when the centering plate returns to the home position. 	Loose connection of the centering plate motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfuction of the centering plate motor.	Replace the centering plate motor and check for correct operation.
		Malfuction of the centering plate home position sensor.	Replace the centering plate home position sensor and check for correct operation.
		Loose connection of the centering plate home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective centerfold unit main PWB.	Replace the centerfold unit main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C8330	Document finisher* centerfold blade problem <ul style="list-style-type: none"> During initialization, the centerfold blade is not detected in the home position within a specified period of time. 	Loose connection of the centerfold blade motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the centerfold blade motor.	Replace the centerfold blade motor and check for correct operation.
		Malfunction of the centerfold blade home position sensor.	Replace the centerfold blade home position sensor and check for correct operation.
		Loose connection of the centerfold blade home position sensor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective centerfold unit main PWB.	Replace the centerfold unit main PWB and check for correct operation.
C9040	DP lift motor going up error <ul style="list-style-type: none"> The pulse count raised to 10000 at lifting, however, the DP lift upper limit switch could not be turned on. After one time retry, the DP lift upper limit switch could not be turned on.me. 	Loose connection of the DP lift motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the DP lift motor.	Replace the DP lift motor and check for correct operation.
		Malfunction of the DP lift upper limit switch.	Replace the DP lift upper limit switch and check for correct operation.
		Loose connection of the DP lift upper limit switch connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective DP main PWB.	Replace the DP main PWB and check for correct operation.
C9050	DP lift motor going down error <ul style="list-style-type: none"> The pulse count raised to 10000 at lifting, however, the DP lift lower limit switch could not be turned on. After one time retry, the DP lift lower limit switch could not be turned on.me. 	Loose connection of the DP lift motor connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Malfunction of the DP lift motor.	Replace the DP lift motor and check for correct operation.
		Malfunction of the DP lift lower limit switch.	Replace the DP lift lower limit switch and check for correct operation.
		Loose connection of the DP lift lower limit switch connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective DP main PWB.	Replace the DP main PWB and check for correct operation.

Code	Contents	Remarks	
		Causes	Check procedures/corrective measures
C9060	DP EEPROM error <ul style="list-style-type: none"> • Read and write data does not match. • Data in the specified area of the backup memory does not match the specified values. 	Defective DP main PWB.	Replace the DP main PWB and check for correct operation.
		Device damage of EEPROM.	Contact the Service Administrative Division.
C9070	Communication problem between DP and SHD <ul style="list-style-type: none"> • A communication error is detected. 	Loose connection of the SHD PWB.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective SHD PWB.	Replace the SHD PWB and check for correct operation.
		Defective DP main PWB.	Replace the DP main PWB and check for correct operation.
C9080	Communication problem between DP and CIS	Loose connection of CIS.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
		Defective CIS.	Replace CIS and check for correct operation.