

SHARP TROUBLE & ERROR CODES

AR-151, AR-156, AR-F152

5. TROUBLE CODES

A. Trouble codes list

Main code	Sub code	Trouble content	Detail of trouble
E7	01	Duplex model memory setup error, memory not-detected error	The memory is not set properly or the memory capacity is not set to the duplex setup (6M). Cancel method: Set SIM 26-39 code number to 2.
E7	03	HSYNC not detected.	LSU (laser diode, reception element, APC circuit) trouble LSU drive circuit (ASIC) trouble
E7	04	CCD white level trouble	CCD drive circuit (CCD PWB, ASIC harness) trouble Copy lamp lighting trouble (Copy lamp, inverter PWB)
E7	05	CCD black level trouble	CCD drive circuit (CCD PWB, ASIC, harness) trouble
E7	12	Shading trouble (White correction)	Dirt on white plate for scanning white level
E7	14	ASIC connection trouble	Improper connection between CPU and ASIC (pattern cut, improper connection of lead pin)
E7	15	Copy lamp disconnection trouble	Copy lamp or copy lamp drive circuit (inverter PWB) trouble Copy lamp disconnection
E7	16	Abnormal output of laser	LSU (laser diode, reception element, APC circuit) trouble LSU drive circuit (ASIC) trouble
L1	00	Feeding is not completed within the specified time after starting feeding.	When the mirror base is returned for the specified time (6 sec) in mirror initializing after turning on the power, the mirror home position sensor (MHPS) does not turn OFF. Or when the mirror base is fed for the specified time (about 6 sec) after start of copy return, the mirror home position sensor (MHPS) does not turn OFF.
L3	00	Return is not completed within the specified time.	When the mirror base is returned for the specified time (6 sec) in mirror initializing after turning on the power, the mirror home position sensor (MHPS) does not turn ON. Or when the mirror base is returned for the specified time (about 6 sec) after start of copy return, the mirror home position sensor (MHPS) does not turn ON.
L4	01	Main motor lock	When the main motor encoder pulse is not detected for 100msec.
L6	10	Polygon motor lock	The lock signal (specified rpm signal) does not return within a certain time (about 20sec) from starting the polygon motor rotation
H2	00	Thermistor open detection	The fusing thermistor is open.
H3	00	Heat roller abnormally high temperature	The fusing temperature rises above 240°C.
H4	00	Heat roller abnormally low temperature	The fusing temperature does not reach 185°C within 27 sec of turning on the power, or the fusing temperature keeps at 140°C.
U2	01	Counter sum check error	When the counter check sum value stored in the EEPROM is abnormal.
U2	04	EEPROM serial communication error	When a communication trouble occurs with the EEPROM.
U2	40	CRUM IC	Serial communication error when a communication trouble occurs with the CRUM IC.
F2	04	Toner cartridge type error	When a toner cartridge of different type is used.
F6	80	Communication trouble with FAX PWB (Protocol)	Error in data reception from the FAX board to the MCU. Occurs when the message header of the message format is other than F. Cancel method: Turn OFF/ON the power.
F6	81	Communication trouble with FAX PWB (Parity)	Error in data reception from the FAX board to the MCU. Occurs when the odd number parity set with SMR (serial mode register) differs from the reception data. Cancel method: Turn OFF/ON the power.
F6	82	Communication trouble with FAX PWB (Overrun)	Error in data reception from the FAX board to the MCU Occurs when the next data reception is completed with RDRF (Receive Data Register Full) flag of SS (Reserial status register) set to 1. Cancel method: Turn OFF/ON the power.
F6	84	Communication trouble with FAX PWB (Framing)	Error in data reception from the FAX board to the MCU. Occurs when the stop bit is 0. (The stop bit must be 1.) Cancel method: Turn OFF/ON the power.
F6	88	Communication trouble with FAX PWB (Time-out)	Occurs when time is out without response in data communication between the FAX board and the MCU. Cancel method: Turn OFF/ON the power.
F6	10	FAX PWB trouble	Communication trouble between the MCU and the FAX board or between the FAX board and the FAX panel Cancel method: Turn OFF/ON the power. Check connections.

B. FAX Service Error Code Table

(1) LCD: FAX SERVICE ERROR(#)

Code #	Content	Remedy
1	ROM error	Turn OFF/ON the power. If the error is not canceled, check the ROM of the FAX PWB.
2	RAM error	Turn OFF/ON the power. If the error is not canceled, check the DRAM of the FAX PWB.
3	CTS error (Communication error)	Turn OFF/ON the power. If the error is not canceled, check connection between the FAX PWB and the MCU PWB. If no abnormality is found, check the FAX PWB and MCU PWB themselves., especially TXD, RXD, CTS, and RTS signals.
4	Panel error	Turn OFF/ON the power. If the error is not canceled, check the connector and the harness between the FAX PWB and the MCU PWB. If no abnormality is found, check the FAX PWB and MCU PWB themselves.
5	Scan data error	Turn OFF/ON the power and execute FAX scanning to check the operation. If the error is not canceled. Check connection between the FAX PWB and the MCU PWB. If no abnormality is found, check the FAX PWB and MCU PWB themselves.

Note: If some reception data is left in memory,, transfer the data with FUNCTION-0 and turn OFF the power.

(2) Reception error

Code	Content
0	The handshake signal is detected, but the signal includes an error.
1	The handshake signal from the receiver is not recognized. (Error after reception of NSF/DIS)
2	The handshake signal from the receiver is not recognized. (Error after reception of NSC/DTC)
3	The handshake signal from the receiver is not recognized. (Error after reception of EOP)
4	The handshake signal from the receiver is not recognized. (Error after reception of EOM)
5	The handshake signal from the receiver is not recognized. (Error after reception of MPS)
6	Not defined.
7	An unexpected DCN is received.
8	Error after reception of all pages (Error after reception of PPS-EOP)
9	Error after changing the communication mode (Error after reception of PPS-EOM)
10	Error after reception of a page (Error after reception of PPS-MPS/NULL)
11	Not defined.
12	Communication error after fallback during transmission (Error after reception of CTC)
13	Error after reception of EOR & errors other than the above

C. Communication error code table

(1) Sending error

Code	Content
0	The handshake signal is detected, but the signal includes an error.
1	The handshake signal from the receiver is not recognized. (Error after reception of NSF/DIS)
2	The line is disconnected during data transmission.
3	The line is disconnected after fallback of training. (Error after reception of CFR)
4	The line is disconnected during transmission of two or more pages. (Error after reception of MCF)
5	Not defined.
6	Error after reception of RTN/RTP
7	An unexpected DCN is received.
8	Resend is repeated by the specified times, but the error is not canceled.
9	Not defined.
10	Not defined.
11	Not defined.
12	Error after fallback during transmission (Error after reception of CTR)
13	ERR is received, & errors other than the above.