

## SC Code Descriptions

No. Definition	Symptom	Possible Cause
101	B	Exposure Lamp Error
		The standard white level was not detected properly when scanning the white plate.
120	B	Scanner home position error 1
		The scanner home position sensor does not detect the off condition during initialization or copying.
121	B	Scanner home position error 2
		The scanner home position sensor does not detect the on condition during initialization or copying.

No. Definition		Symptom	Possible Cause
143	D	SBU white/black level correction error	
		<p>The automatic SBU adjustment has failed to correct the black level.</p> <p>The automatic SBU adjustment has failed to correct the white level twenty times consecutively.</p>	<p>Exposure lamp defective</p> <p>Dirty white plate</p> <p>Incorrect position or width of white plate scanning (SP4015)</p> <p>BICU board defective</p> <p>SBU board defective</p>
144	B	Communication Error between BICU and SBU	
		<p>The BICU board cannot detect the SBU connect signal.</p>	<p>The flat cable between the BICU board and the SBU has a poor connection</p> <p>The flat cable between the BICU board and the SBU is damaged</p> <p>BICU board defective</p> <p>SBU defective</p>
145	D	Automatic SBU adjustment error	
		<p>During the automatic SBU adjustment, the machine detects that the white level read from the white plate or paper is out of range. (SP4015)</p>	<p>Exposure lamp defective</p> <p>Dirty white plate</p> <p>Incorrect position or width of white plate scanning (SP4015)</p> <p>BICU board defective</p> <p>SBU board defective</p>
302	B	Charge roller current leak	
		<p>A current leak signal for the charge roller is detected.</p>	<p>Charge roller damaged</p> <p>High voltage supply board defective</p> <p>Poor connection of the PCU</p>

No. Definition		Symptom	Possible Cause
320	B	Polygonal mirror motor error	
		The polygon mirror motor does not reach operating speed within 10 seconds after the motor ON signal is sent, or does not turn on within one of the 200 ms check intervals during operation.	Polygon mirror motor defective Poor connection between the polygonal mirror motor driver and the BICU board Damaged cable between BICU and polygonal mirror motor driver BICU board defective
321	C	No laser writing signal (F-GATE) error	
		The laser-writing signal (F-GATE) fails to turn Low after the laser crosses 5 mm on the drum surface from the laser writing start position.	BICU board defective
322	B	Laser synchronization error	
		The main scan synchronization detector board cannot detect the laser synchronization signal for more than 5 consecutive 100 ms intervals.	Poor connection between the LD unit and the BICU board Damaged cable between BICU and LD unit LD unit out of position LD unit defective BICU board defective
390	B	TD sensor error	
		The TD sensor outputs less than 0.2 V or more than 4.0 V 10 times consecutively during copying.	TD sensor abnormal Poor connection of the PCU
391	B	Development bias leak	
		A development bias leak signal is detected.	Poor connection of the PCU High voltage supply board defective

No. Definition		Symptom	Possible Cause
392	B	TD sensor initial setting error	
		TD sensor initial setting is not performed correctly.	ID sensor defective No developer Drum does not turn Development roller does not turn Poor connection of the PCU The voltage is not applied to charge roller
401	B	Transfer roller leak error 1	
		A current leak signal for the transfer roller is detected. A current feedback signal for the transfer roller is not detected.	High voltage supply board defective Poor connection of the PCU Transfer/separation unit set incorrectly Transfer roller damaged
402	B	Transfer roller leak error 2	
		A current leak signal for the transfer roller is detected. A current feedback signal for the transfer roller is not detected.	High voltage supply board defective Poor connection of the PCU Transfer/separation unit set incorrectly Transfer roller damaged
500	B	Main motor lock	
		A main motor lock signal is not detected for more than 7 consecutive checks (700 ms) after the main motor starts to rotate, or the lock signal is not detected for more than 7 consecutive checks during rotation after the last signal.	Too much load on the drive mechanism Main motor defective
541	A	Fusing thermistor open (center)	
		The fusing temperature detected by the thermistor is below 71°C and is not corrected after the main power switch is turned on.	Fusing thermistor defective or out of position Power supply board defective Loose connectors

No. Definition		Symptom	Possible Cause
542	A	Fusing temperature warm-up error (center)	
		The fusing temperature rises less than 7 degrees in 2 seconds, and this continues 5 times consecutively. The fusing temperature is not detected in 25 or 35 seconds.	Fusing thermistor defective or out of position Fusing lamp open Power supply board defective
543	A	Fusing overheat error (center)	
		The fusing temperature is over 230°C for 1 second (detected by the thermistor).	Fusing thermistor defective Power supply board defective
544	A	Fusing overheat error (center) 2	
		The fusing temperature is over 250°C for 1 second (detected by the fusing temperature monitor circuit).	Fusing thermistor defective Power supply board defective
545	A	Fusing lamp overheat error (center)	
		After the fusing temperature reaches the target temperature, the fusing lamp does not turn off for 12 consecutive seconds.	Fusing thermistor defective or out of position Power supply board defective
546	A	Unstable fusing temperature (center)	
		The fusing temperature varies 50° C or more within 1 second, and this occurs 2 consecutive times.	Thermistor defective or out of position Power supply unit defective
547	B	Zero cross signal malfunction	
		Zero cross signals are not detected within 5 seconds after the main power switch is turned on, or are not detected within 1 second after operation begins.	Power supply board defective BICU defective

No. Definition		Symptom	Possible Cause
551	A	Fusing thermistor open (rear)	
		The fusing temperature detected by the thermistor is below 71°C and is not corrected after the main power switch is turned on.	Fusing thermistor defective or out of position Power supply board defective Loose connectors
552	A	Fusing temperature warm-up error (rear)	
		The fusing temperature rises less than 7 degrees in 2 seconds, and this continues 5 times consecutively.  The fusing temperature is not detected in 25 or 35 seconds.	Fusing thermistor defective or out of position Fusing lamp open Power supply board defective
553	A	Fusing overheat error (rear)	
		The fusing temperature is over 230°C for 1 second (detected by the thermistor).	Fusing thermistor defective Power supply board defective
555	A	Fusing lamp overheat error (rear)	
		After the fusing temperature reaches the target temperature, the fusing lamp does not turn off for 20 consecutive seconds.	Fusing thermistor defective or out of position Power supply board defective
556	A	Unstable fusing temperature (rear)	
		The fusing temperature varies 50° C or more within 1 second, and this occurs 2 consecutive times.	Thermistor defective or out of position Power supply unit defective
559		Jam error detected 3 times in succession	
		The exit sensor and the duplex sensor detect a paper jam 3 times in succession  This condition can occur when SP 1159 1 is set to 'on'. The default is 'off'.	Paper jams can occur for the following reasons. Dampness Paper curl Incorrect paper setting in the paper tray Stripper pawls coming apart

No. Definition		Symptom	Possible Cause
590	B	Left exhaust fan motor error	
		The CPU detects an exhaust fan lock signal for more than 5 seconds.	Loose connection of the exhaust fan motor Too much load on the motor drive
621	B	ADF connection error	
		An incorrect ADF (an ADF for some other copier) is detected.	ADF incorrect (The ADF for B039/B040/B043 or B121/B122/B123 is installed on this machine.)
760	B	ADF gate abnormal 1	
		The ADF Gate signal line between the ADF main board and the BICU is disconnected.	ADF main board defective Input/output board defective Poor connection (ADF Gate line) between the ADF main board and the BICU.
761	B	ADF gate abnormal 2	
		The FGATE signal is not issued from the ADF within 30 seconds after the ADF starts feeding.	ADF connector defective SBU board defective
762	B	ADF gate abnormal 3	
		The FGATE signal is not terminated by the ADF within 60 seconds after the ADF starts feeding.	ADF connector defective SBU board defective
901	B	Mechanical total counter	
		The mechanical total counter does not work properly.	Mechanical total counter defective BICU defective Disconnected mechanical total counter
903	B	Engine total counter error	
		The checksum of the total counter is not correct.	NVRAM on the BICU defective

No. Definition		Symptom	Possible Cause
928	B	Memory error	
		The machine detects a discrepancy in the write/read data during its write/read test (done at power off/on and at recovery from low power or night/off mode).	Memory defective BICU defective Poor connection between BICU and memory
929	B	IMAC Hardware Error	
981	B	NVRAM error	
		The machine detects a discrepancy in the NVRAM write/read data when attempting to save actual data to the NVRAM (i.e. during actual use).	NVRAM defective Poor connection between BICU and NVRAM NVRAM is not connected BICU defective
982	B	Localization error	
		The localization settings in the nonvolatile ROM and RAM are different (SP5807).	First machine start after the NVRAM is replaced Incorrect localization setting NVRAM defective
		The download (program, print data, language data) from the IC card does not execute normally.	Board installed incorrectly BICU board defective IC card defective NVRAM defective Loss of power during downloading Important Notes About SC999 Primarily intended for operating in the download mode, logging is not performed with SC999. If the machine loses power while downloading, or if for some other reason the download does not end normally, this could damage the BICU or the PCB targeted for the download and prevent subsequent downloading. If this problem occurs, the damaged PCB must be replaced.