

Statim 7000 Error Codes

Cycle Fault Number	Description of Fault	Suggested steps for Correction of Fault
Cycle Fault #1	The Cassette temperature failed to reach 95°C within a time-out period.	May be caused by a large cassette leak in conjunction with an extremely large load or a blown Thermal Fuse caused by weak water pump delivery.
Cycle Fault #3	The Cassette has failed to pressurize and achieve a temperature of 110°C within a time-out period.	May be caused by a faulty Cassette Seal, a damaged Cassette, or a faulty Solenoid Valve (failed to close).
Cycle Fault #4	The Cassette has failed to achieve sterilization conditions within a timeout period of the chamber first reaching 110°C.	May be caused by a faulty Cassette Seal, a damaged Cassette, or a faulty Solenoid Valve (failed to close).
Cycle Fault #6	The software has detected a Validation Thermocouple temperature 5°C greater than the chamber during the sterilizing phase of a cycle.	Check for kinked or pinched exhaust tubing and for visible steam leaks from the Cassette Seal, Lid or Tray. Check the exhaust Solenoid Valves and make sure the plunger is not sticking. Recalibrate Validation Thermocouple.
Cycle Fault #7	If chamber temperature drops below the sterilization temperature (134°/121°C) by more than 3°C, CF 7 is posted.	May be caused by a faulty Cassette Seal, a damaged Cassette, a faulty Solenoid Valve (failed to close), a leaky Pressure Relief Valve or a leaky Check Valve.
Cycle Fault #8	The software has detected a Validation Thermocouple temperature 5° less than the chamber during the sterilizing phase of the cycle.	Check for a clogged Filter Screen in the Exhaust Duct in the Cassette Tray. Check the Solenoid Valves for debris and make sure the plunger is not sticking. Recalibrate the Validation Thermocouple.
Cycle Fault #10	The cassette temperature has failed to drop to 115°C during the Unwrapped or Wrapped Cycle or 110°C during the Rubber and Plastics Cycle in the purge conditioning stage.	Check for a clogged Filter Screen in the Exhaust Duct in the Cassette Tray, a kinked or pinched Exhaust Tubing leading to the Condenser Bottle or a faulty Solenoid Valve (failed to open).
Cycle Fault #11	The cassette temperature has failed to drop to 102°C within a timeout period during the venting cycle.	Check for a clogged Filter Screen in the Exhaust Duct in the Cassette Tray, a kinked or pinched Exhaust Tubing leading to the Condenser Bottle or a faulty Solenoid Valve (failed to open).
Cycle Fault #12	This indicates a problem with the temperature measuring system.	Check for a disconnected, broken or faulty thermocouple lead or a defective PCB.

Cycle Fault #13	SHS thermocouple reading suddenly drops to ambient temperature while heater on	Check for faulty Auxiliary Heater thermocouple.
Cycle Fault #14	The steam temperature raised above the high threshold.	Check for faulty PCB or defective Solid State Relay.
Cycle Fault #15	The cassette temperature raised above the high threshold during the sterilization phase of the cycle or above 138.6°C during conditioning or pressurizing phase of the cycle.	Check for a clogged Filter Screen in the Exhaust Duct in the Cassette Tray, a kinked or pinched Exhaust Tubing leading to the Condenser Bottle or a faulty Solenoid Valve (failed to open).
Cycle Fault #16	The Boiler temperature went above a threshold value.	Replace Water Filter Check for a weak Water Pump or a faulty PCB causing constant power to the Boiler.
Cycle Fault #17	Auxiliary Heater overheated.	Check for a faulty Auxiliary Heater, (heater should read 33Ω & thermocouple 6Ω). A defective Solid State Relay, Solid State Relay activated by 5VDC red & black wires, constant power to Auxiliary Heater check for line voltage between Solid State Relay terminal #1 & J4 (left pin) on Auxiliary Heater PCB.
Cycle Fault #18	Ambient temperature to high.	Ambient temperature (as sensed by the PCB cold junction temperature sensor) increased over a preset threshold. Check 2A fuse on Auxiliary Heater PCB. This may be caused by a failed cool down fan, a failed Auxiliary Heater PCB or a defective main PCB.
Cycle Fault #19	The Validation Thermocouple calibration is invalid.	This occurs when a new PCB or Microprocessor is installed. This may also happen when the unit has been subjected to a strong static discharge corrupting the memory. Calibrate the Validation Thermocouple.
Cycle Fault #20	The cassette temperature raised above 138.6°C during the Drying phase of a cycle.	Check for a clogged Filter Screen in the Exhaust Duct in the Cassette Tray, a kinked or pinched Exhaust Tubing leading to the Condenser Bottle or a faulty Solenoid Valve (failed to open). A faulty Auxiliary Heater, Auxiliary Heater PCB or Solid State Relay.
Cycle Fault #25	The software has failed to detect a need to pump water within 90 seconds of the state of a cycle.	Check for a blown Thermal Fuse caused by a weak Water Pump, constant power to the Boiler caused by a defective PCB or a faulty Boiler.

Cycle Fault #26	The sterilization phase has failed to start within 3 minutes of the cassette reaching sterilization temperature. CF26 is displayed when it occurred in 3 consecutive cycles (Cycle Interrupted is displayed for the first two cycles). CF26 counter is reset whenever a successful cycle is completed.	May be caused by improper Validation Thermocouple calibration, weak Water Pump or faulty Solenoid Valve.
Cycle Fault #27	The temperature of the Boiler failed to drop below a set-point temperature (150°C) in a timeout period.	May be caused by a weak Water Pump, a defective float switch (does not detect insufficient water in the water reservoir) or a faulty Boiler.
Cycle Fault #32	No water pumped to the boiler while executing the Water Filter priming.	May be leaking Water Filter, leaking Water Reservoir connection or faulty Water Pump.
Cycle Fault #79	Error in communication with the RFID adapter or Cassette Seal RFID tag.	Make sure cassette is completely inserted and try another cycle. May be defective Cassette Seal or RFID adapter.
Cycle Fault #80	Auxiliary Heater heating element did not reach a target temperature in a specified period of time.	Check fuses on Auxiliary Heater PCB, should be 10A 250V May be a defective Auxiliary Heater (heater should read 33Ω & thermocouple 6Ω), Auxiliary Heater PCB defective, Solid State Relay defective (activated by 5VDC at red & black wires during drying) or main PCB defective.
Cycle Fault #81	Auxiliary Heater superheated steam did not reach a target temperature in a specified period of time.	Check fuses on Auxiliary Heater PCB, should be 10A 250V May be a defective Auxiliary Heater (heater should read 33Ω & thermocouple 6Ω), Auxiliary Heater PCB defective, Solid State Relay defective (activated by 5VDC at red & black wires during drying) or main PCB defective.
Cycle Fault #82	Unit failed to cool down in a specified period of time.	Check for a faulty Auxiliary Heater, (heater should read 33Ω & thermocouple 6Ω). A defective Solid State Relay, Solid State Relay activated by 5VDC red & black wires, constant power to Auxiliary Heater check for line voltage between Solid State Relay terminal #1 & J4 (left pin) on Auxiliary Heater PCB.

Cycle Fault #90	Corrupted or not initialized chamber calibration value.	This occurs when a new PCB or Microprocessor is installed. This may also happen when the unit has been subjected to a strong static discharge corrupting the memory. Restore NVRAM or unit requires chamber calibration.
Cycle Fault #95	Failed validation of the SHS adapter reference voltage accuracy or SHS Adapter board power supply.	Verify connection from main PCB to SHS adapter PCB (connectors not fully inserted, pinched wires). Replace SHS adapter PCB
Cycle Fault #98	Main PCB not communicating with Auxiliary Heater PCB.	May be Microprocessor not installed properly, defective main PCB or Auxiliary Heater PCB.
OEM Seal Not Present Check/Replace Seal	Statim unable to read RFID chip in seal.	Replace seal
“No Configuration EEPROM”	No communication between EEPROM and Microprocessor.	May be Microprocessor or EEPROM not installed properly. Replace Microprocessor kit.
Message: Printer Fault (if optional printer is installed)	Printer is not printing.	Check for paper jam or defective Printer.
“Cycle Aborted”	This error message is displayed on the printout only, followed by the message “Not Sterile”, as a result of the operator pressing the STOP button to stop the cycle or as a result of any other abnormal cycle termination, including Cycle Fault errors.	
“Stop Button Pressed”	The operator pressed the STOP button to stop the cycle. The LCD shows the message “Not Sterile”.	

<p>“ Cycle Interrupted”</p>	<p>This message is displayed when the sterilization phase has failed to start within 3 minutes of the cassette reaching the sterilization temperature. If it occurs in 3 consecutive cycles CF26 is displayed. Also this message is generated if bad water conductivity or no water condition was detected for a while before water conductivity level turns back to normal. Also this message is displayed if the unit lost power before the cycle ended.</p>	<p>Check for loose Power Cord connection at the back of the Statim and at the wall outlet. Check for low water level in the Water Reservoir. Go to User Menu and check the water quality. If CF 26 appears run a Validation Thermocouple calibration.</p>
<p>“Press Stop To Reset”</p>	<p>This message is displayed for all error faults. The user must press the Stop button on the keypad to reset the unit: otherwise the user will be unable to initiate another cycle.</p>	
<p>“Order Water Filter Expiring Soon”</p>	<p>This message is displayed when the water quality reaches 8uS or the filter is within 6 days of the average usage time for this unit.</p>	<p>Order Water Filter Cartridge part #SCWF1 (single cartridge) or part #SCWF6 (package of 6 cartridges). Replace Water Filter Cartridge when Water Filter Expired message appears.</p>
<p>“Water Filter Expired Replace Water Filter”</p>	<p>This message appears when the Water Filter has been in use for 60 days or water quality is above 10uS. The Water Filter must be replaced otherwise the user will be unable to initiate another cycle.</p>	<p>Replace Water Filter Cartridge part# SCWF1 (single cartridge) or SCWF6 (package of 6 cartridges)</p>
<p>“Refill Reservoir/Empty Waste Bottle”</p>	<p>This message appears when the Water Reservoir is low on water or the Water Filter is clogged.</p>	<p>Check to see that the Water Reservoir is full. Go to Device Test and run the Water Pump for 5 to 10 seconds. Replace the Water Filter. Check Float Switch.</p>
<p>“LUBRICATE CASSETTE COUPLING O-RINGS”</p>	<p>This message appears every 250 cycles.</p>	<p>Used Q-Tips & Lubricant provided with Statim and replacement seals to lubricate o-rings.</p>