

2000 Series Engine Heater Error Codes.

When the 2000 Series Engine heater is operating correctly a green light will illuminate on the big black switch, indicating all is ok.

Should any faults occur, a red light will “flash” on the big black switch. The user will need to count the number of “flashes” of the red light and then refer to the troubleshooting table below.

ERROR CODE (red light flashes)	FAULT	TROUBLESHOOTING
1	Ignition failure	Two ignition failures have occurred. Check fuel, air and exhaust for supply or blockage.
2	Heater suddenly stops operating during normal operation	Check fuel and supply lines, check excessive carbon buildup in heater.
3	The voltage is too high	The voltage is continuously higher than 16V for 5 seconds. (not common)
4	Low battery voltage	The voltage is continuously lower than 10V for 20 seconds.
5	Water temperature sensor failure	Water temperature sensor has loose connection or faulty. Reconnect and test. (Black wire, 50k ohms)
6	Overheating sensor	Overheating temperature sensor has loose connection or faulty. Reconnect and test. (Red wire, 1000 ohms)
7	Fuel pump failure	Check fuel pump electric plug connection is secure. Check pump is not seized. Check pump is rotating when powered.
8	Fan failure	Check fan electric plug connection is secure. Check fan is not seized and rotating when powered.
9	Ignition failure	Check ignition plug connection is secure. If fault persists ignition plug requires replacement.
10	Ignition power	Check ignition plug connection is secure. An ignition plug that is 3-4 years old will probably require replacement.
11	Heater has overheated	Check the coolant hoses are not blocked or leaking. Low coolant level can cause air in the system. Check engine for air locks.
12	Overheating Lock	The heater has overheated. Allow to cool down and then re-start. After three consecutive overheating failures the heater will be in a locked state. Remove the 20A heater fuse for 1 minute before reinstalling. Possible temperature sensor failure
13	Ignition failure	The heater failed E-1 twice in a row, and the machine is locked. Remove the 20A heater fuse for 3 seconds before reinstalling.
14	Water pump failure	Check the water pump electric plug connection is secure. Check that the pump is not seized and rotating when powered.

Contact us if you have any questions sales@p1australia.com