

SERVICE MANUAL SUPPLEMENT – QUICK SERVICE GUIDE

EF399-SOLA SPARK IGNITION

Error Code	Definition	Service Action	Possible Parts Needed
No Code	No power to the unit or switch is off	Check power supply Verify 24 volts at display	1) Transformer 2) Control board 3) Display
3-48, 58-60	Internal fault	Verify transformer output is 22-27 Vac	1) Control board 2) Transformer
49	Voltage too low or high	Verify proper supply voltage Verify transformer output is 22-27 Vac	1) Transformer
53	AC input phase reversed	Check for proper grounding / polarity Verify the wiring connection J4-10 and J8-2 are connected together	1) Control board
62	Fan speed not proved (soft lockout)	Check for vent / intake restriction Check blower modulation wire harness at J2 connection for continuity Verify 17-30 VDC between yellow and green wires on blower 5 wire harness	1) Blower 2) Control board
67	Interlock off	Check if blocked vent switch has opened Check for vent restriction Verify adequate draft—confirm downdraft not present	1) Blocked vent switch 2) Pressure switch 3) Control board
80	High limit overheat condition	Measure resistance of tank temp sensor Check wire harness and connections	1) Temp sensor 2) Control board
93	DHW sensor fault	Measure resistance of temp sensor Check wire harness and connections	1) Temp sensor 2) Control board
105	Flame detected out of sequence	Check flame rod/wire Verify ignition cable is not crossing flame sense / ignition ground wires	1) Flame sensor
110	Ignition failure after 3 trials (soft lockout)	Verify ignition sequence Clean spark rod Clean flame sensor	1) Burner 2) Spark rod 3) Control board
122	Light off rate proving failed (Fan speed not proved-hard lockout)	Check for vent / intake restriction Check blower modulation wire harness at J2 connection for continuity Verify 17-30 VDC between yellow and green wires on blower 5 wire harness	1) Blower 2) Control board

NOTE: Check all wire connections Check gas inlet pressure
 Check for vent restrictions Check static to dynamic gas pressure drop
 Check for grounding connections Check for water leaks