## EF399-Sola Spark Ignition

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Definition</th>
<th>Service Action</th>
<th>Possible Parts Needed</th>
</tr>
</thead>
</table>
| 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 for vent restrictions  
Check for grounding connections  
Check gas inlet pressure  
Check static to dynamic gas pressure drop  
Check for water leaks