

## Indicator Lamp Circuit Board has No Display

### **Applies to Models:**

**Toyotomi Laser Heaters: L-301, L-302, L-531, L-532, L-731, L-732**

**Toyostove Laser Heaters: L-300, L-530, L-730**

If you have a Toyostove or Oil Miser that has no display output from the indicator lamp circuit board, perform the following tests:

1. Verify proper power at the wall. You should have 120VAC between hot and neutral, and between hot and ground.
2. Verify proper power at the transformer (you can put your test leads in the back of the plug, right alongside the wires). The primary (K) should have 120VAC. The secondaries should have 140VAC between the two yellow wires and 14VAC between the two blue wires.
3. Check the fuses on the main circuit board. With the fuses removed from the board, you should read continuity through them (meter set to  $\Omega$ ).
4. Check for loose, disconnected, or pinched wiring.
5. With the heater plugged in, unplug the revolution sensor (red, white, and blue wires - marked BM REV) from the main circuit board. If the display lights up, the problem is a short circuit in the revolution sensing circuit.
6. If everything above checks out, replace the lamp circuit board, then the main circuit board.

### **WARNING**

Rural Energy Enterprises, Inc. does not accept liability for the improper use of this information. Installation, service, and maintenance of heating equipment should be performed by a qualified technician. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life.