Need To Replace The Thermostat ?

Martin Will Teach You How.

Replacing the Thermostat (L85 & L125)

This guide provides four detailed, step-by-step procedures for routine maintenance and component replacement on your Spectank unit. Always prioritize safety by disconnecting power and working in a clean, dry area. For all electrical connections and color-coding, refer to the Wiring Diagram, in this guide.

Parts Required

- 1 × 85 °C thermostat (L85)
- 1 × 125 °C cut-off thermostat (L125)
- 4 × Push-on terminals (Spare)
- 2 × Thermostat holding nuts (spare)

If you're still feeling unsure, you can always click the video link to be directed to my POV video guide. It's a great way to get more clarity!
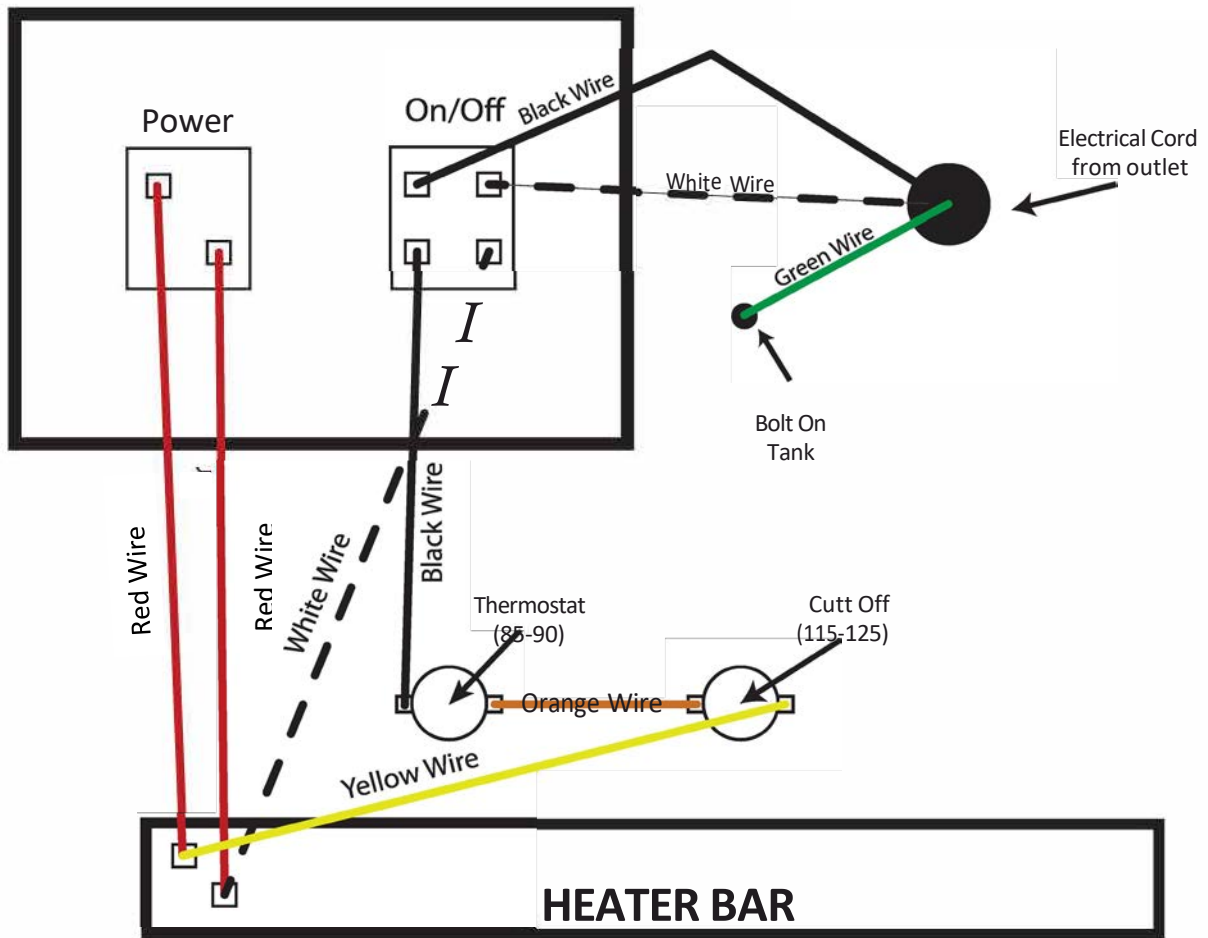
Procedure

1. **Safety First**
   o Unplug the unit.
2. **Access Thermostats**
   o Remove the lower back panel bolts.
   o Carefully remove internal insulation (wear gloves).
3. **Swap L85 Thermostat**
   o Pull off push-on terminals from L85.
   o Reattach terminals to new L85 thermostat.
   o Plug unit in momentarily: both indicator lights should illuminate.
   o Unplug if successful; if not, proceed to Step 4.
4. **Swap L125 Thermostat**
   o Pull off terminals from existing L125.
   o Attach to new L125 thermostat and bolt into place.
   o Test again by plugging in: lights should illuminate.
5. **Final Assembly**
   o Fix the thermostat(s) back to the original position, and ensure the nuts are tightened securely.
   o Refit the insulation and back panel.
   o Tighten panel securely and restore unit to service.
   o Confirm proper heating and temperature regulation.

If lights still fail, inspect all push-on terminals for damage; replace as needed. If issues persist, contact Spectank Support.

The Spectank Wiring Schematic

Power

On/Off   Black Wire

Electrical Cord
from outlet

White Wire

Green Wire

Bolt On
Tank

Red Wire

Red Wire

White Wire

Black Wire

Black Wire

Thermostat
(85-90)

Cutt Off
(115-125)

Orange Wire

Yellow Wire

HEATER BAR

Wires:

Electrical Cord	x1
Red wire	x2
White wire	x1
Black wire	x1
Yellow wire	x1
Orange wire	x1

Parts:

Heater Bar 1500 Watt - Econo
Heater Bar 1000 Watt - Mini
Thermostat - 85 - 95 degrees
Cut Off - 115 -125 degrees
On/Off Switch
Power Switch