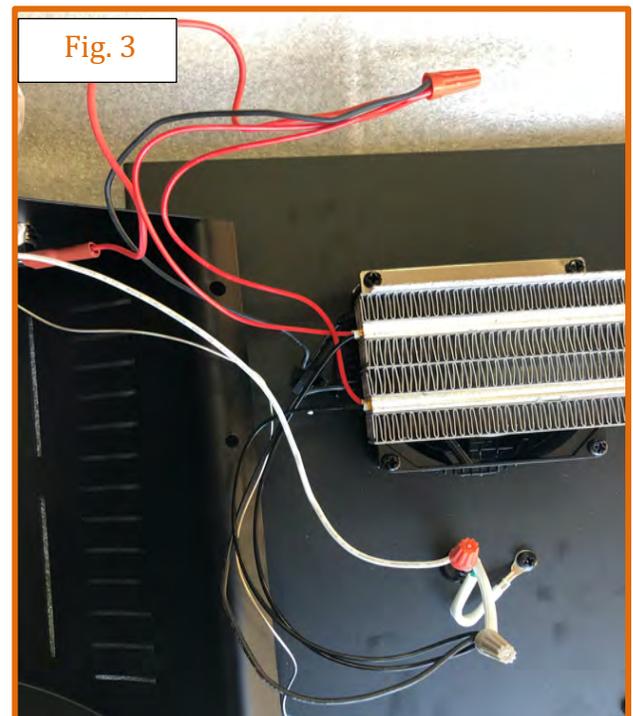
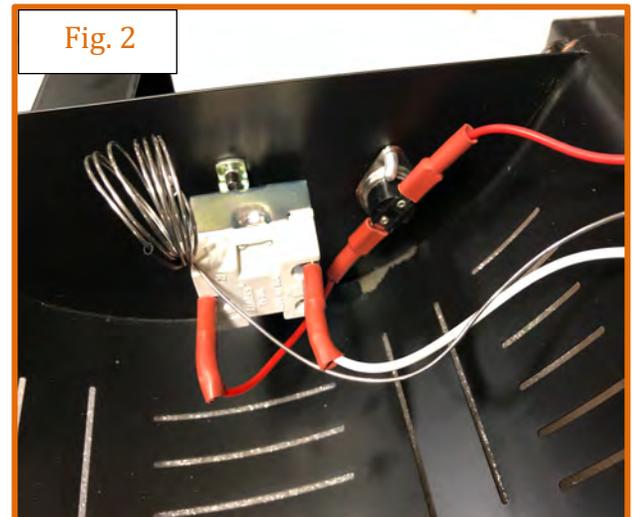
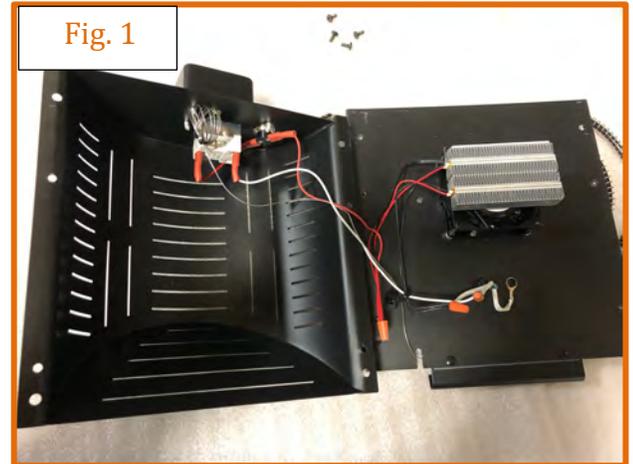


**WHEN THE UNIT IS PLUGGED IN AND NOTHING WORKS,  
TRY THESE TROUBLESHOOTING TECHNIQUES:**

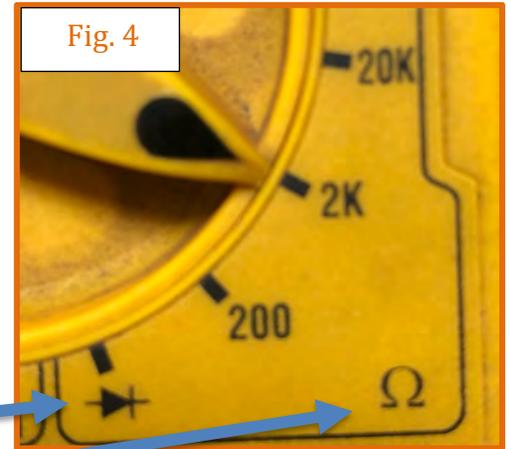
1. Verify the 110V outlet is working. Plug a light or something into the outlet.
2. What is the outside temperature? You might have to continue to turn the dial clockwise more to get the unit to turn on if the ambient temperature is relatively warm. There will be an audible click when the unit turns ON or OFF.
3. Inspect the Unit
  - a. Verify the unit is NOT plugged in during testing.
  - b. Inspect the plug and plug cable to ensure no cuts or problems.
  - c. Open the front cover by removing the four bolts and opening it like a book. (Fig. 1)
  - d. Do a visual of the wires and connections to ensure there are no loose wires. (Fig. 1)
    - i. There are four connections at / by the thermostat - ensure there are no loose wires or connections. (Fig. 2)
    - ii. Ensure all wires at the three wire nuts are secure. Test by pulling gently to ensure none come loose from the wire nut. (Fig. 3)



## TROUBLE SHOOTING THE HOUND HEATER™ DELUXE CONTINUED...

4. Test Components of the Hound Heater using a multimeter.

- a. Set the multimeter to test Continuity. Look for the diode symbol and the Ohm symbol ( $\Omega$ ). (Fig. 4).
- b. Probes NOT touching should read "1." (Fig. 5). Some different multimeters may read "OL" or Open Loop.
- c. Probes touching should read close to or at ".000" (Fig. 6)



# TROUBLE SHOOTING THE HOUND HEATER™ DELUXE CONTINUED...

## 5. Testing the thermostat (Fig. 7)

- a. Turn the dial clockwise towards high heat, until it makes an audible click sound.
- b. Undue the wire nut from the white wire coming from the thermostat
- c. Use the probes to test the white wire and the terminal next to the thermostat for ease
- d. The multimeter should read 0.002 or 0.2 ohms if it is GOOD.



## 6. Testing the fan (Fig. 8)

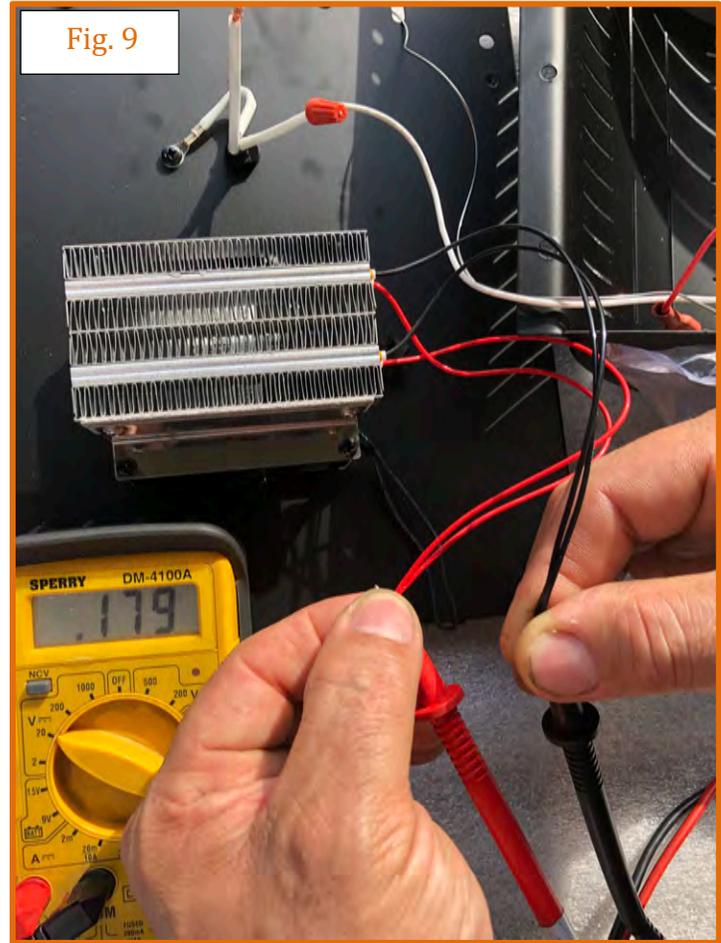
- a. Use the probes to test the two black wires coming from the fan. You will need to undue the wire nuts to test just the black wires from the fan.
- b. The multimeter should read approximately 0.330 or 33 ohms if it is GOOD.



# TROUBLE SHOOTING THE HOUND HEATER™ DELUXE CONTINUED...

## 7. Testing the heating element (Fig. 9)

- a. Test the two red wires on one probe and the two black wires on the other probe.
- b. The multimeter should read approximately .200 or 20 ohms if it is GOOD.



### Flow of Power (Fig.1, 2, 3, 10):

Power flows in through the plug and white wire with white sheathing/chafe guard to the wire nut, and then from the wire nut through the white wire to the thermostat (Fig.1 and 2).

From the thermostat, power continues to flow through the red wires to the connection at the wire nut. This connects power to the two (2) red wires of the heating element and one (1) black wire from the fan (it does not matter which black wire from the fan) (Fig 2, 3 and 10).

From the fan and heating element, power flows from the fan through the other black wire and from the heating element through the two (2) black wires. These three wires make a connection at the wire nut with the black wire (with white sheathing/chafe guard) going to the plug (Fig. 3 and 10).

