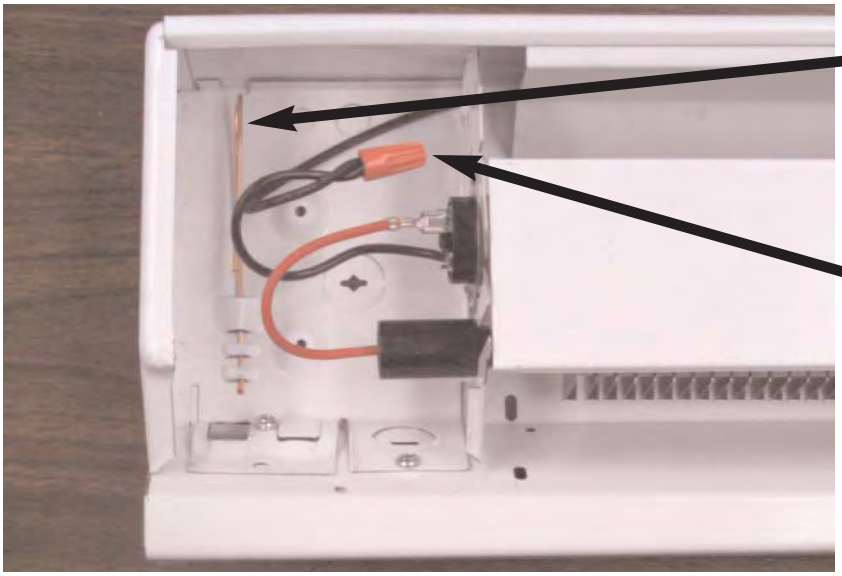
Wiring Instructions for Marley 2500 Series Electric Baseboard Heaters

General Safety Information:
These instructions are intended to supplement the installation instruction manuals provided with your heater and thermostat. Please refer to these manuals for additional instructions and safety warnings.

If you continue to have questions regarding the installation procedure you may call our Technical Services Hotline at 1-800-642-HEAT for assistance.

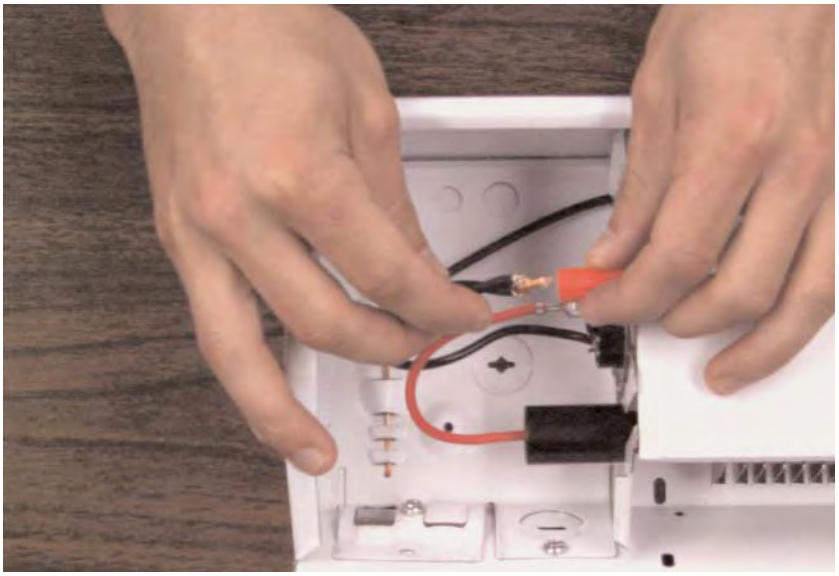


STEP 1
The 2500 Series Baseboard can be wired from either end. Remove the screw in junction box cover to reveal wire compartment.

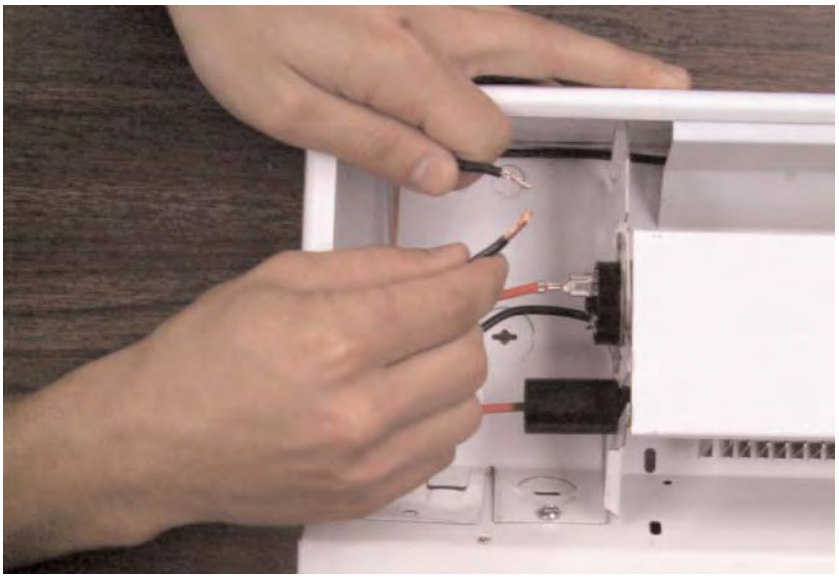


STEP 2
Bare copper ground wire.

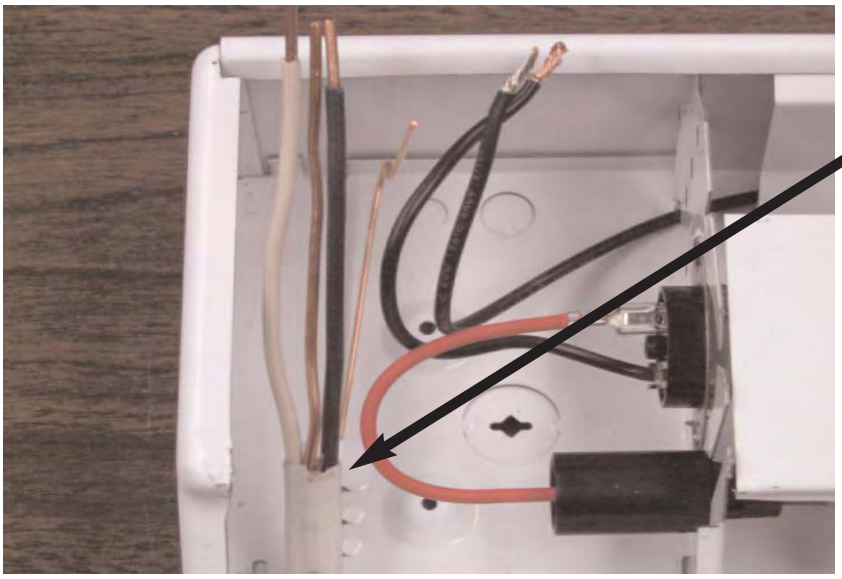
Locate the two wires joined with an orange wire nut.



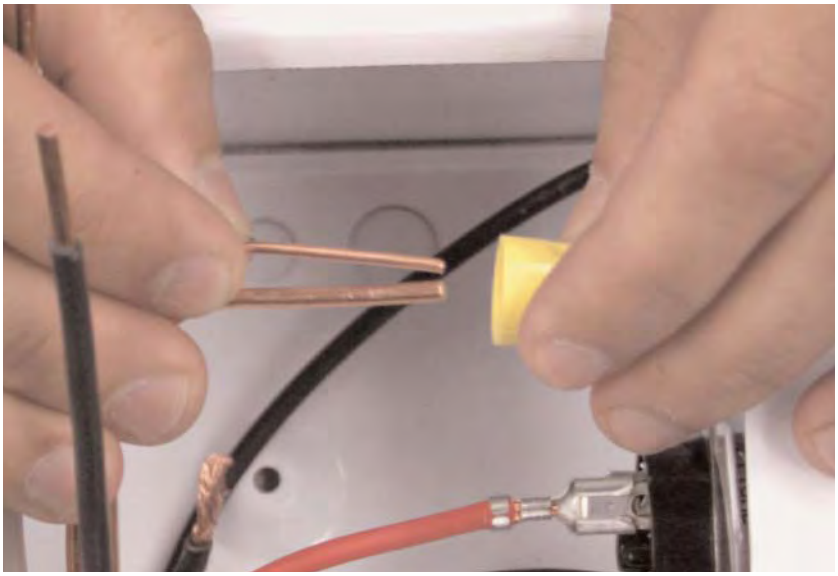
STEP 3
Remove wire nut by turning it counter clockwise.



STEP 4
Separate the two wires by pulling them apart.

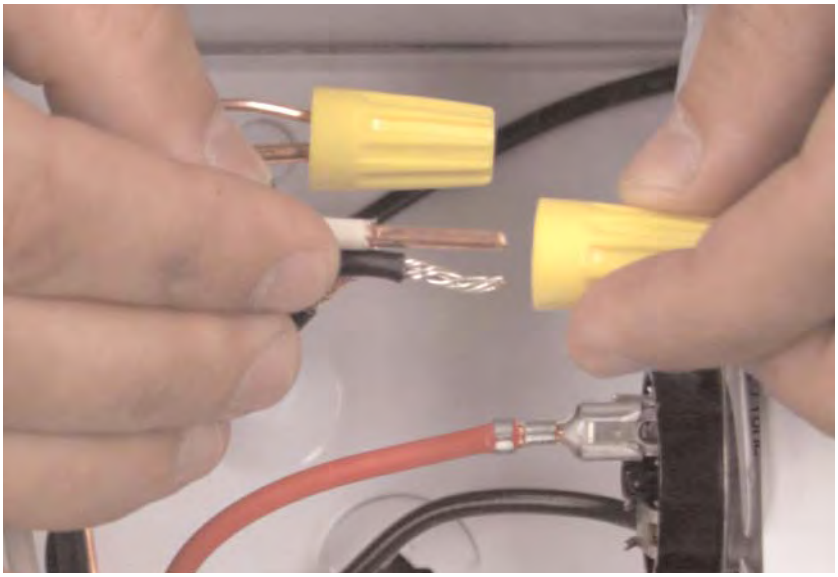


STEP 5
Bring the power supply wires into the junction box. A built-in clamp is provided or you may remove one of the knockouts. If a knockout is used, an appropriate wire clamp must be used.

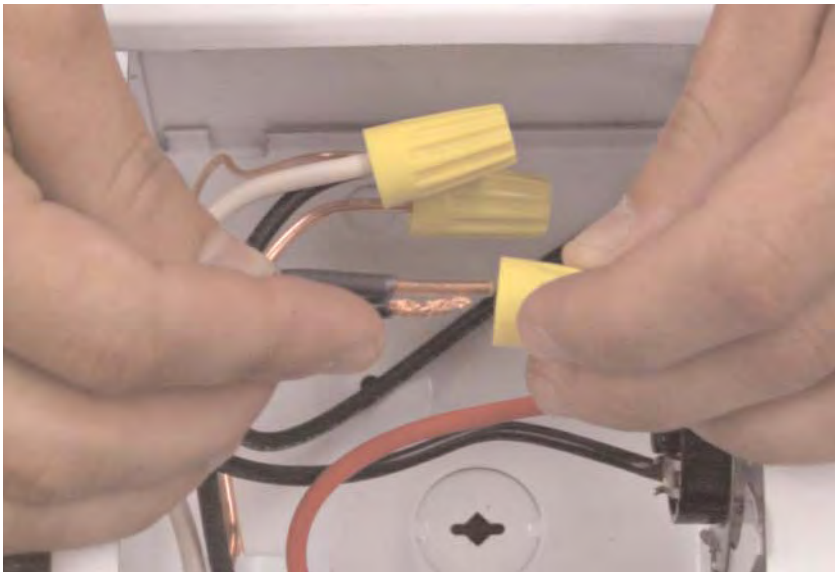


STEP 6
Attach the bare copper ground wire from the power supply to the ground wire in the junction box with a wire nut.

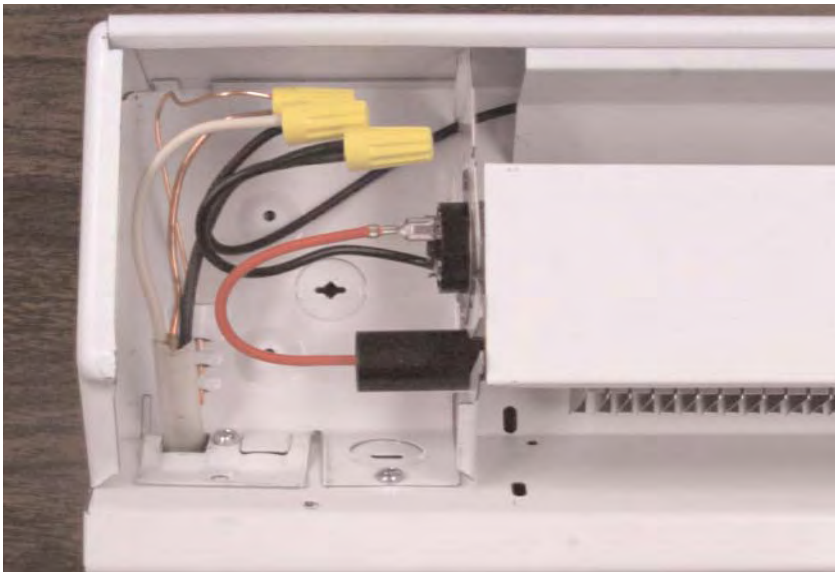
Note: Steps 7-9 are for REMOTE MOUNTED THERMOSTATS **ONLY**. If you are using the unit mounted thermostat, skip to step 10.



STEP 7
Attach the white wire from the power supply to one of the wires that you separated in step 4. Connect these together with a wire nut.



STEP 8
Attach the black wire from the power supply to the other wire separated in step 4 using a wire nut.

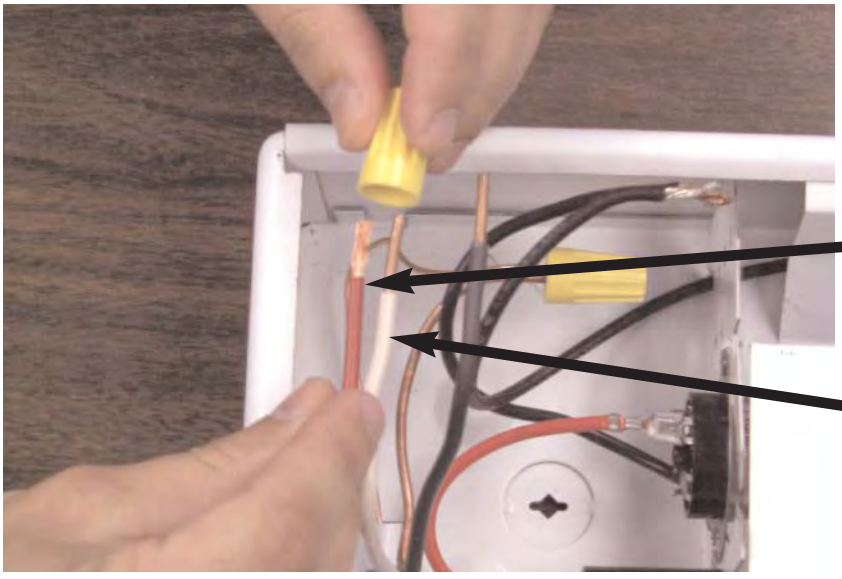


STEP 9
Completed unit.
After all connections are completed, double-check each to verify it is tight and secure. Carefully fold wiring into junction box and replace cover.

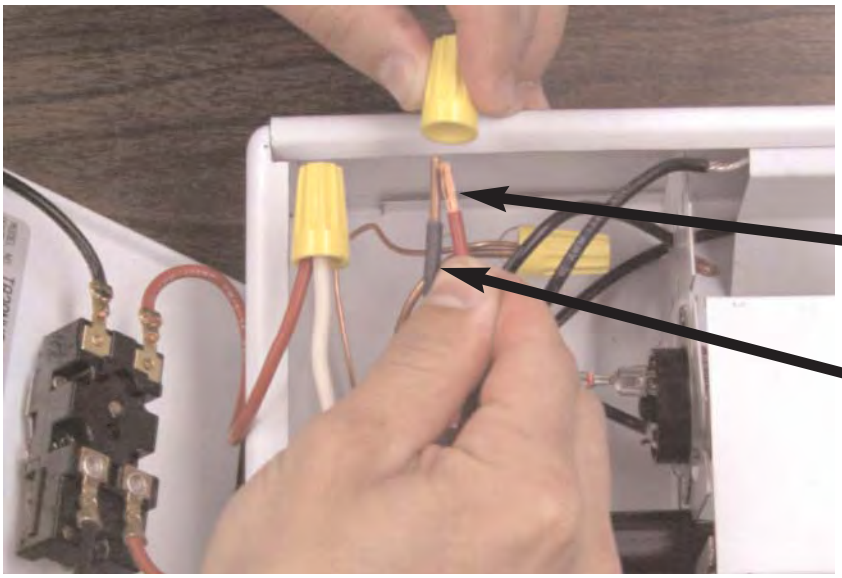
Note: Steps 10-15 are for INTERNAL BUILT-IN THERMOSTATS **ONLY**. Following example uses double-pole thermostat.



STEP 10
Locate the red wire(s) on the thermostat. These are the L1 and L2 and attach to the power supply. The black wire(s) are the load side and attach to the heater.



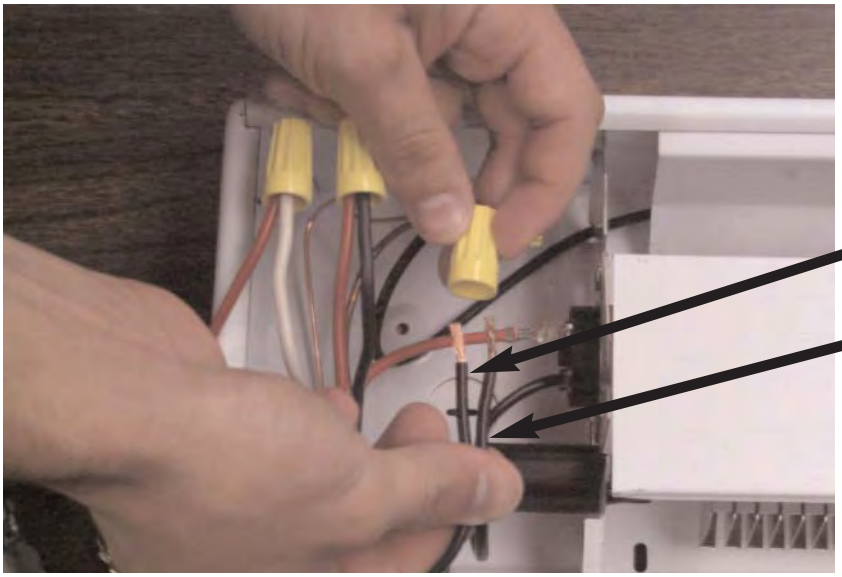
STEP 11
Attach one red wire from the thermostat to the white wire from the power supply with a wire nut.



STEP 12
Attach the other red wire from the thermostat to the black wire from the power supply with a wire nut.

From Thermostat

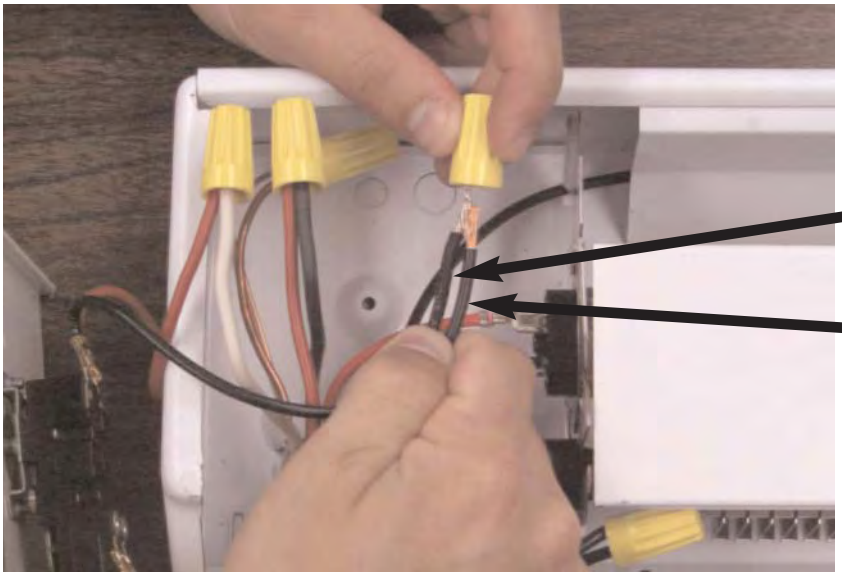
From Power Supply



STEP 13
Attach one black wire from the thermostat to one wire in the heater separated in step 4 using a wire nut.

From Thermostat

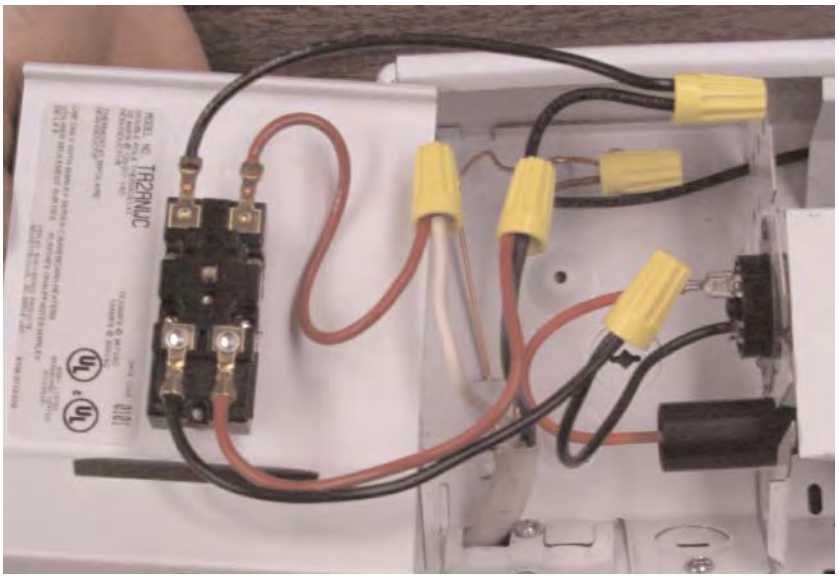
From Heater (see step 4)



STEP 14
Attach the other black wire from the thermostat to the other heater wire separated in step 4.

From Thermostat

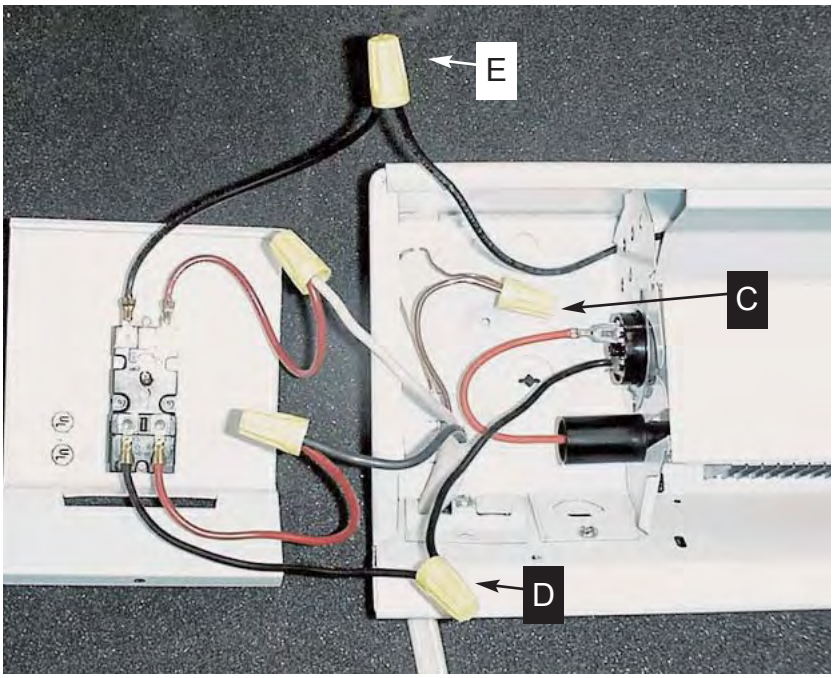
From Heater (see step 4)



STEP 15
Complete unit with built-in thermostat.
Check all wiring and connections before applying power to the heater.

Note: If wiring multiple units to one thermostat make sure the amp load does not exceed the thermostat rating and wire size. Make connections for next heater at the same location the two black wires from the thermostat attached to the two wires in the heater (see below).

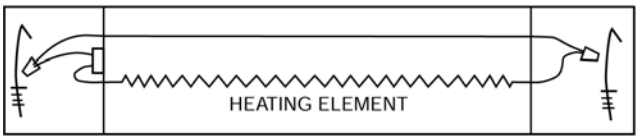
Instructions for wiring multiple heaters to a single thermostat



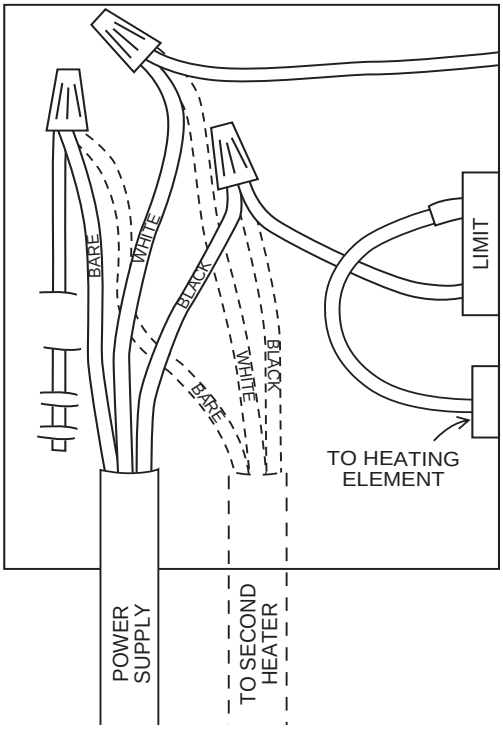
When second heater is to be *controlled by thermostat in first heater*.

1. Bring cable from second heater into wiring compartment through built-in cable clamp or knockout using cable clamp.
2. Connect BLACK wire from second heater at wire nut D.
3. Connect WHITE wire from second heater at wire nut E.
4. Connect BARE (or GREEN) ground wire from second heater at wire nut C.

FACTORY HEATER WIRING



SUPPLY AT LEFT END



SUPPLY AT RIGHT END

