Marley Engineered Products
An SPX Company

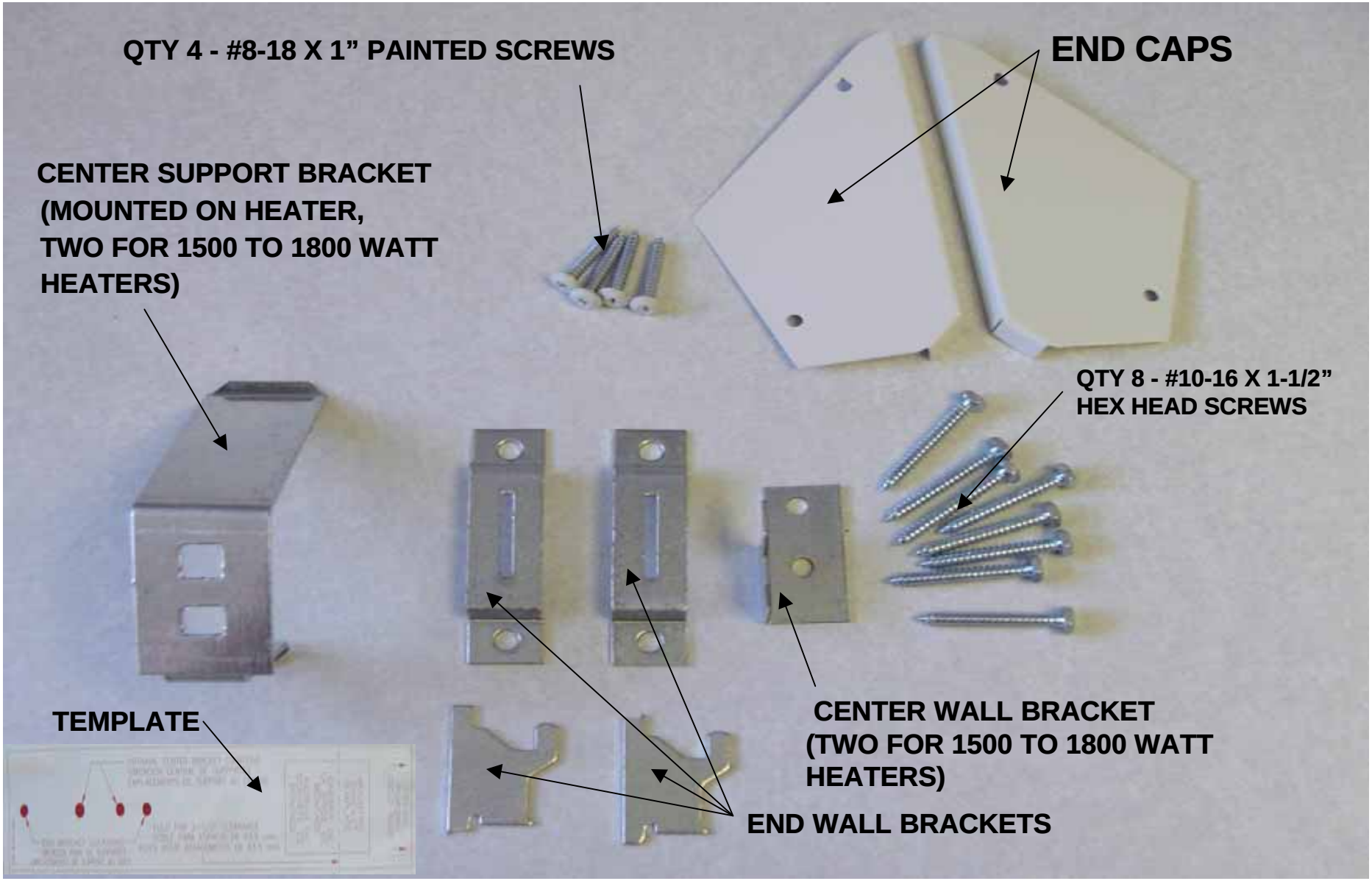
Mounting & Wiring instructions for Marley C Model Cove Heaters

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.

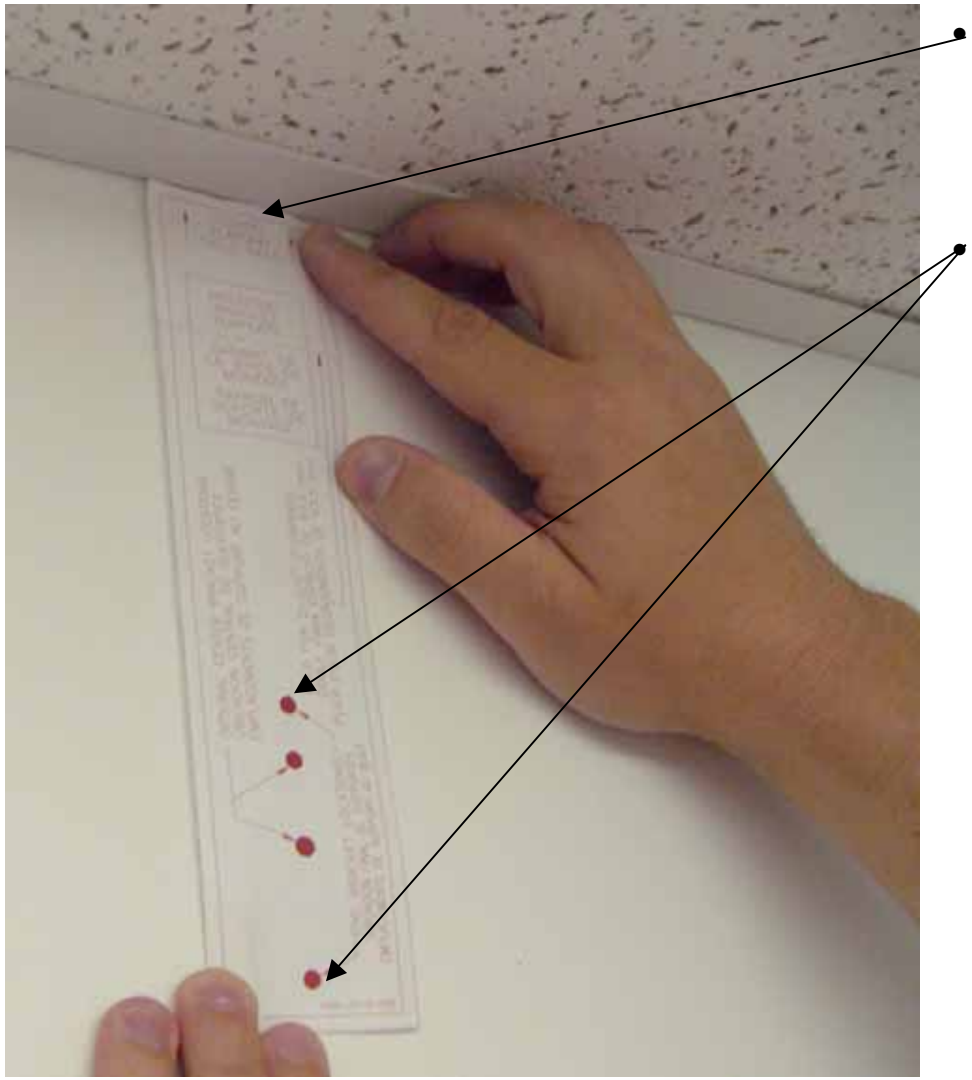
Model C Hardware Kit



STEP 1

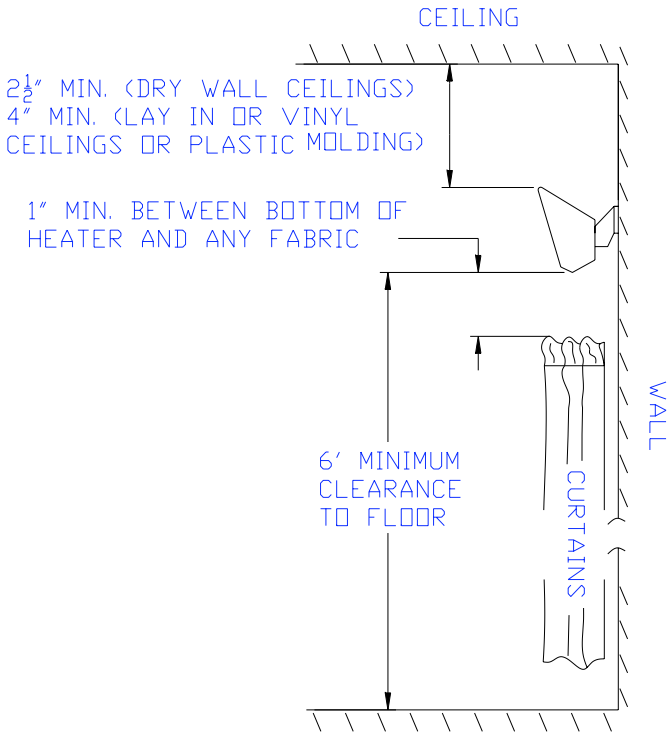
Mounting of Cove Heater

"EXAMPLE HEATER MODEL C7512C"



Using the mounting bracket template, select the correct mounting distance from the ceiling or chalk line for the end brackets. (Note: heaters must maintain a 6 feet clearance to the floor.)

Mark first end bracket location.



MOUNTING RESTRICTIONS

STEP 2
Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



- To determine the center to center distance of the end wall brackets, revert to Table 1 of the Owners Manual below.

Table 1

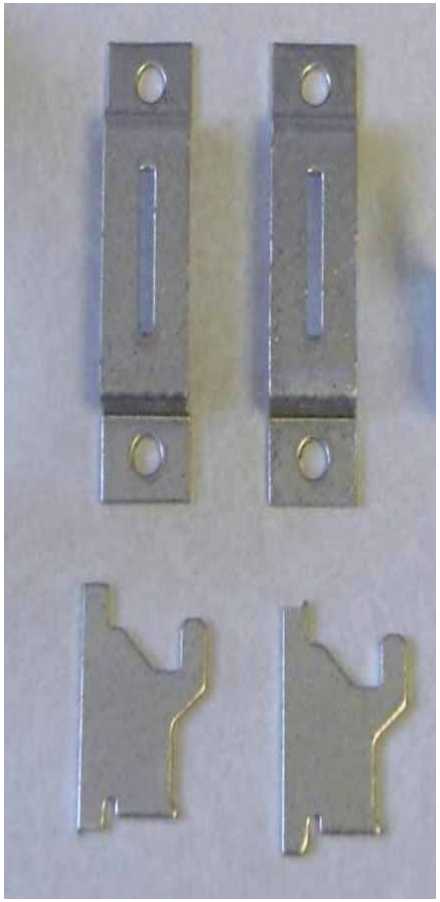
WATTS	MAXIMUM ALLOWABLE EXPANSION	MOUNTING SLOT DISTANCE (CTR-CTR)
450	1/8” (4mm)	27” (686mm)
600	1/4” (7mm)	40” (1,016mm)
750	1/2” (13mm)	52” (1,321mm)
900	3/4” (19mm)	64” (1,626mm)
1050	7/8” (23mm)	76” (1,930mm)
1200	1-1/8 (29mm)	87” (2,210mm)
1500	1-3/8 (35mm)	111” (2,819mm)
1800	1-1/2” (38mm)	125” (3,175mm)

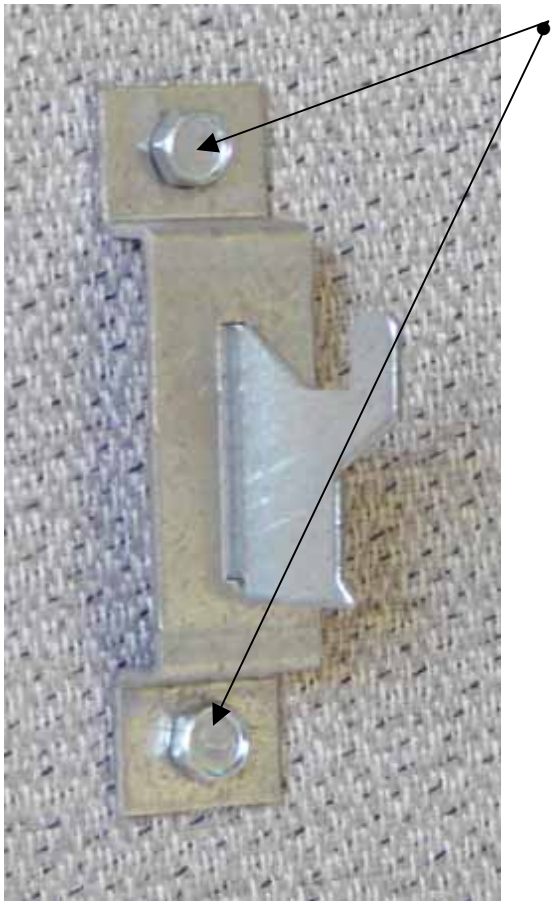
- Use tape measure to determine the distance to the second end bracket mounting position.

STEP 3

Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



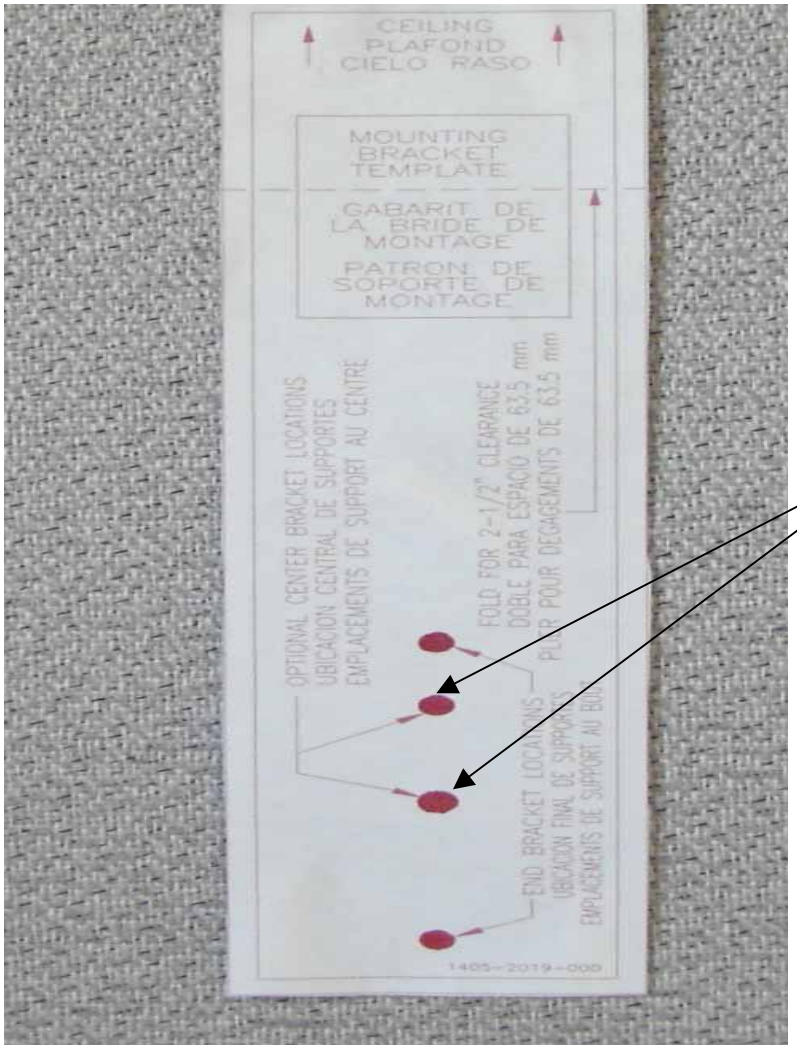


Once measurements for brackets are complete. Use supplied #10 – 16 X 1 – _” hex head screws to install brackets to wall.

STEP 4

Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



- Locate a wall stud between the two mounted end brackets.
- Use mounting bracket template for marking of center bracket location. (Use center bracket holes on template)

STEP 5
Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



- Determining all measurements are complete, mount center wall mounting bracket to a wall stud.
- Use supplied #10 – 16 X 1 – _” hex head screws to install bracket to wall stud.
- Note: for units that require two center wall brackets. Refer to mounting of 1500 & 1800 Watt Heaters on page 2 of the owners manual.

STEP 6

Mounting of Cove Heater

"EXAMPLE HEATER MODEL C7512C"

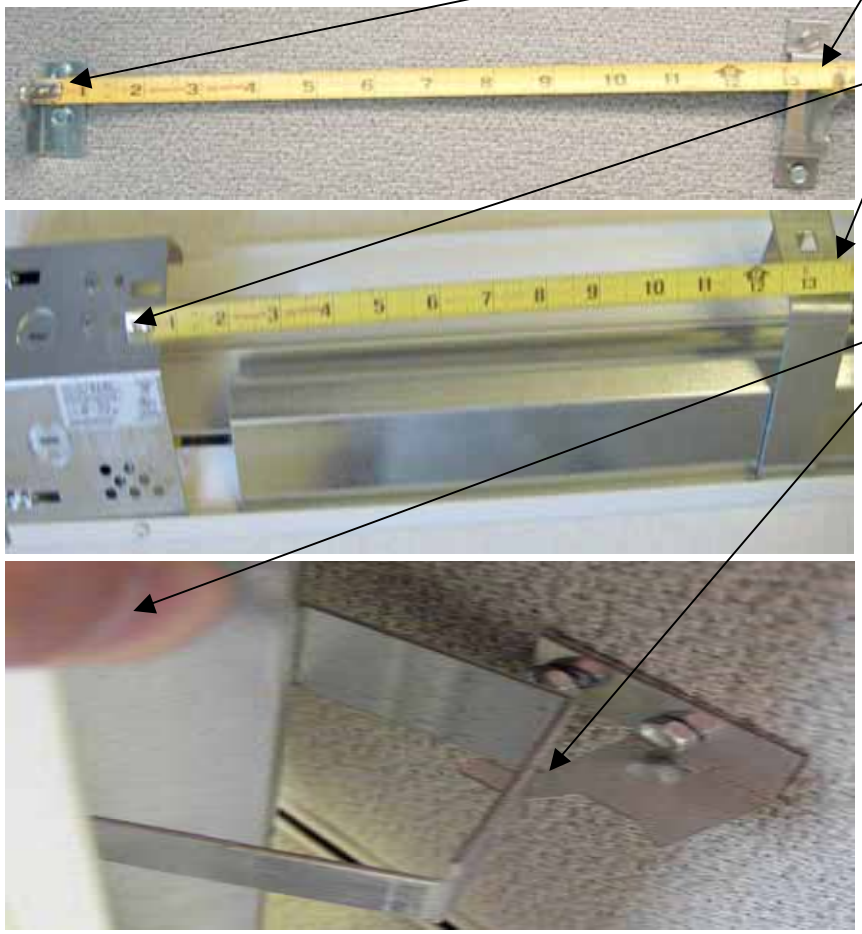


- Use the most convenient of the two knock outs available to feed supply wires into the junction box of the heater.
- Knock out should be removed prior to hanging the heater on the wall.
- Customers will need to provide appropriate size wire connector.

STEP 7

Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



- Measure from center bracket to nearest end bracket..
- Measure from junction box slots with prior measurements to locate center support bracket location.
- Tilt the Cove Heater back then attach the center support bracket to the center wall mounting bracket.
- (For 1500 to 1800 Watt Cove Heaters where two center support brackets are required. Revert to page 2 of the Owners Manual)

STEP 8

Mounting of Cove Heater

“EXAMPLE HEATER MODEL C7512C”



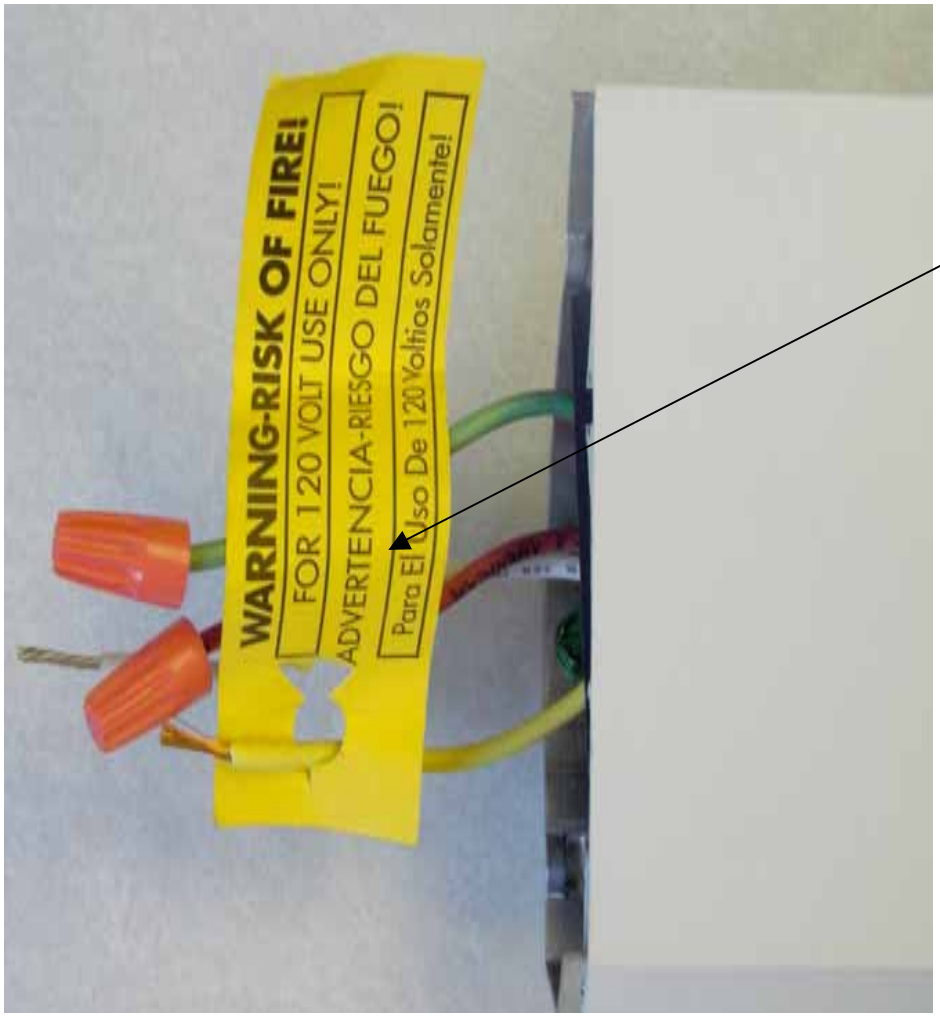
- Once center support bracket is secure. Hook end brackets into junction box slots located on both sides of the Cove heater.

- **Important Note:** To prevent heater from binding during expansion / contraction process make sure the end bracket hook is mounted in the center of the junction box slot.

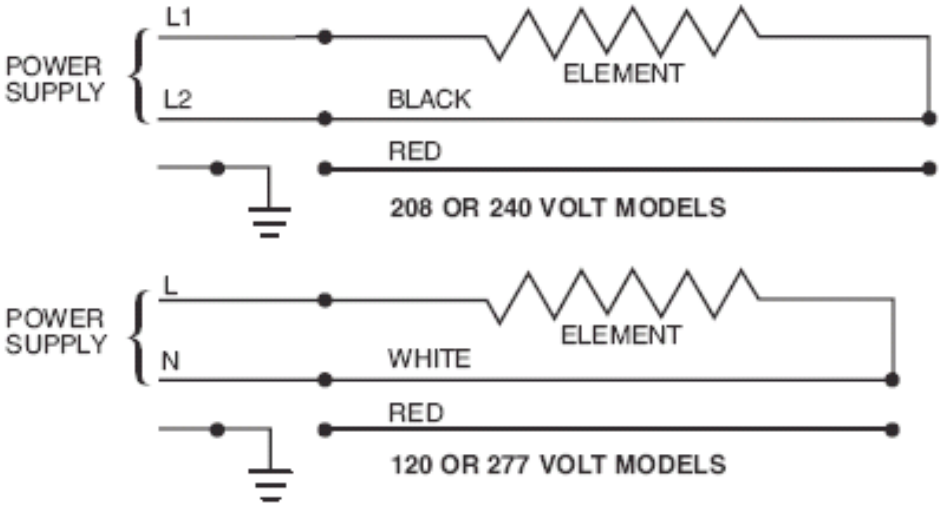
STEP 1

Wiring of Cove Heater

"EXAMPLE HEATER MODEL C7512C"



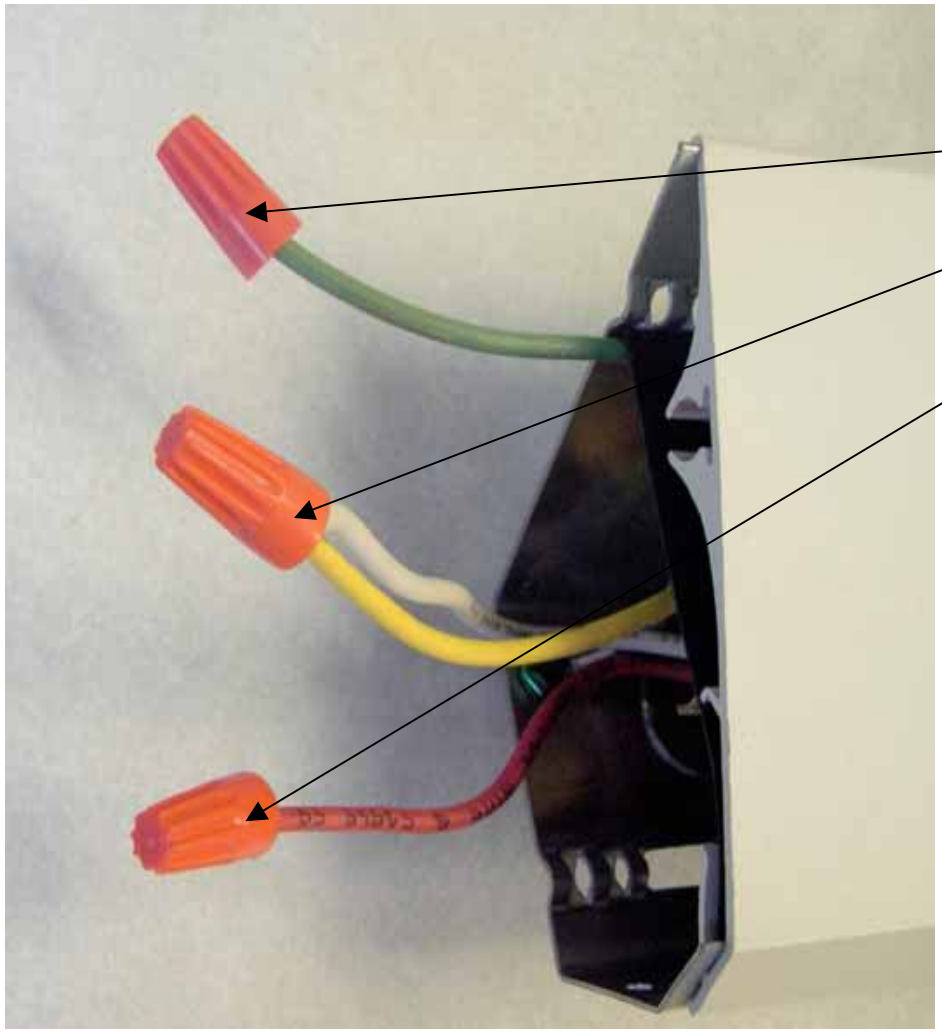
- Cove Heaters can be wired on the left or the right end of the heater.
- "Note example heater is 120 volts"
- Wiring diagrams below are for single heaters, when wiring multiple heaters refer to figure 5 on page 3 of owners manual.



STEP 2

Wiring of Cove Heater

“EXAMPLE HEATER MODEL C7512C”

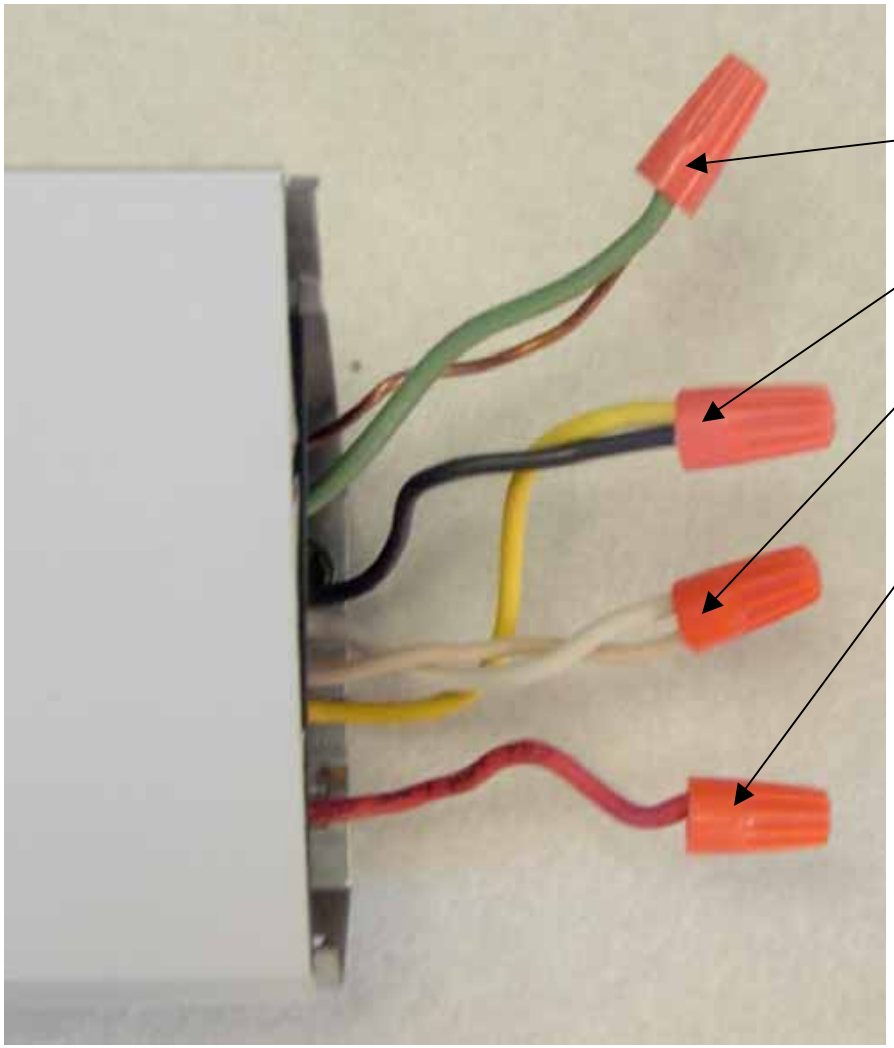


- Wiring the side of the heater the **Supply Power** is **NOT** fed into.
- Green ground wire shall be capped off with wire nut.
- Yellow element wire shall be wired to the white crossover wire.
- Red crossover wire shall be capped off with wire nut “Note red crossover wire is for multiple heater wiring”
- Note for 240 volt heaters the element wire is **RED**.

STEP 3

Wiring of Cove Heater
with **remote** wall thermostat

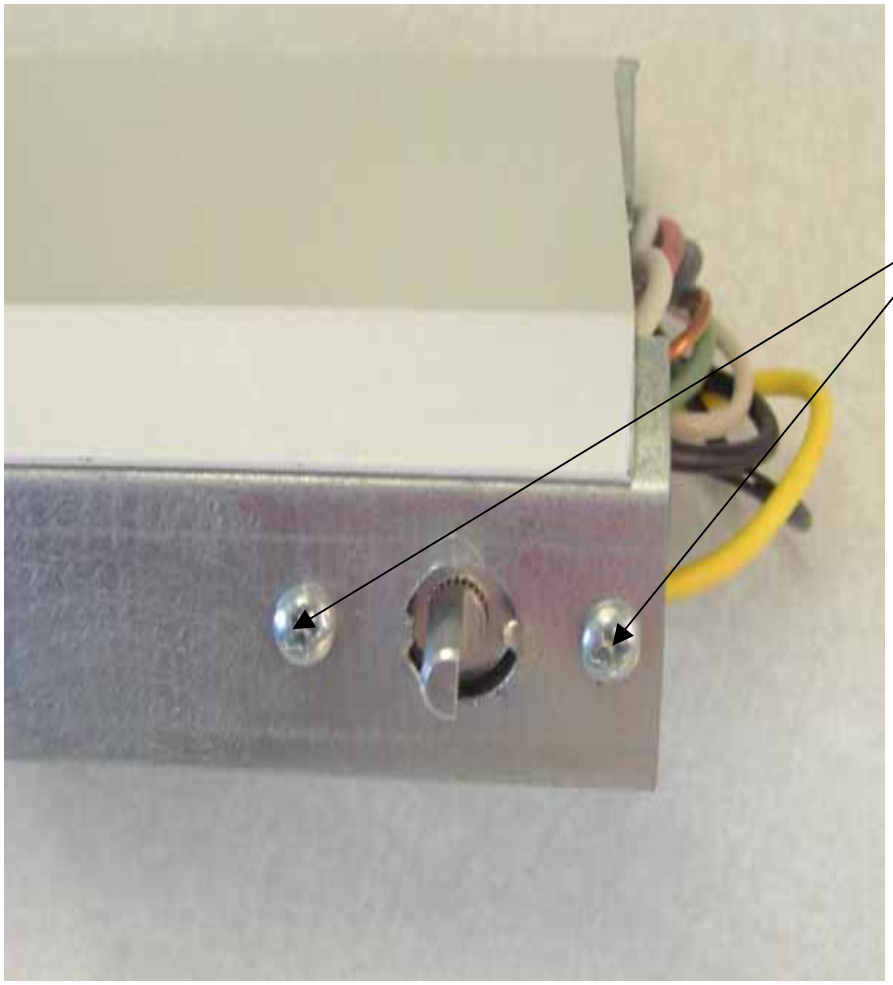
"EXAMPLE HEATER MODEL C7512C"



- Side of heater **supply power is** fed into.
- Connect Green ground wire to Bare Copper ground wire.
- Connect Yellow element wire to Black supply wire.
- Connect White crossover wire to White Neutral wire from the supply.
- When wiring only a single heater, take Red crossover wire and cap off with wire nut.
- Note for 240 volt heaters the element wire is **RED**.
- For wiring of multiple heaters refer to figure 5 in the owners manual.

STEP 1

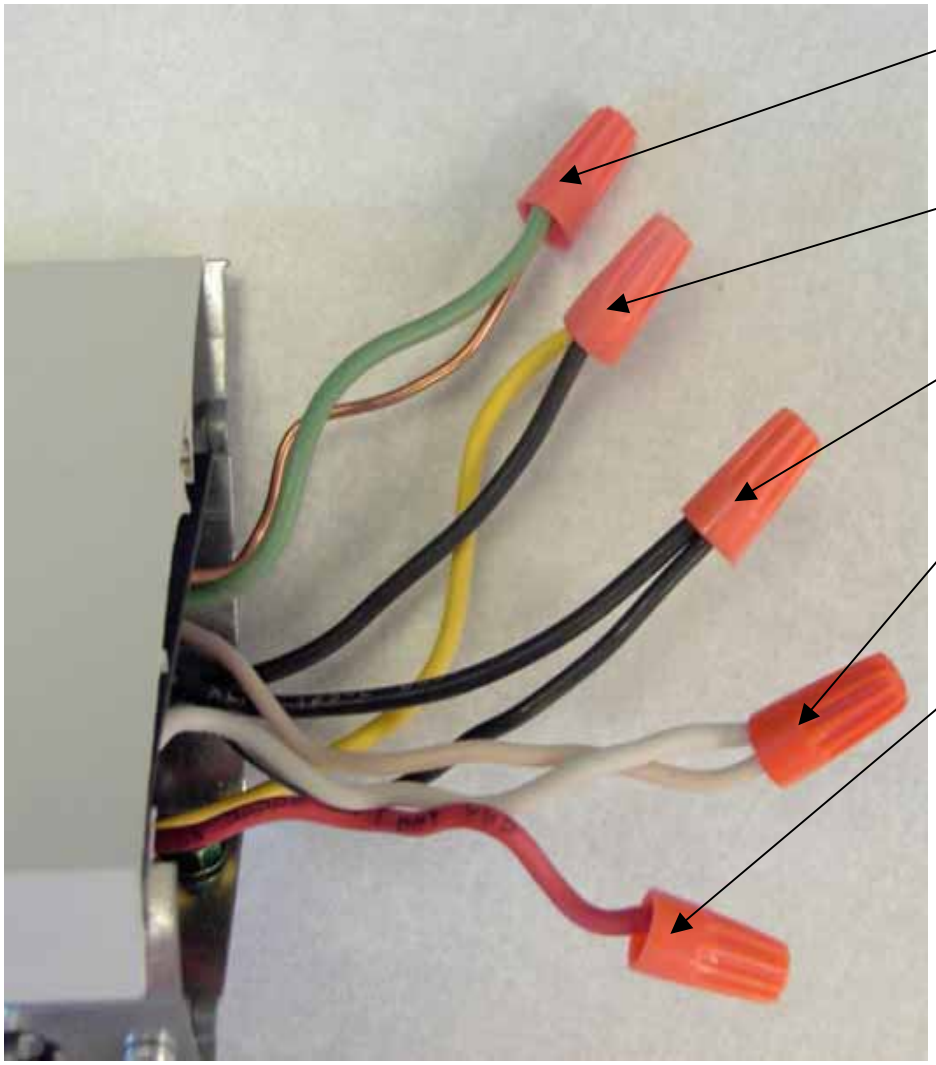
Wiring of Cove Heater
with **internal** thermostat accessory
"EXAMPLE HEATER MODEL C7512C"



- Remove the thermostat knock out, at the bottom on the appropriate end of the heater.
- Use the mounting hardware provided with the thermostat to install the thermostat to the cove heater.

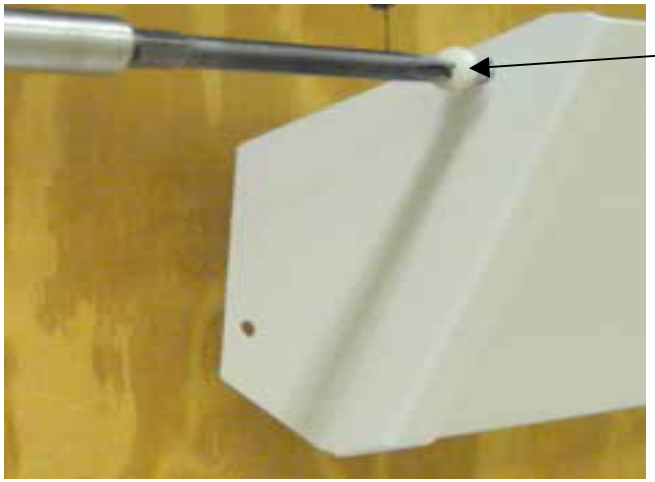
STEP 2

Wiring of Cove Heater
with **internal** thermostat accessory
"EXAMPLE HEATER MODEL C7512C"

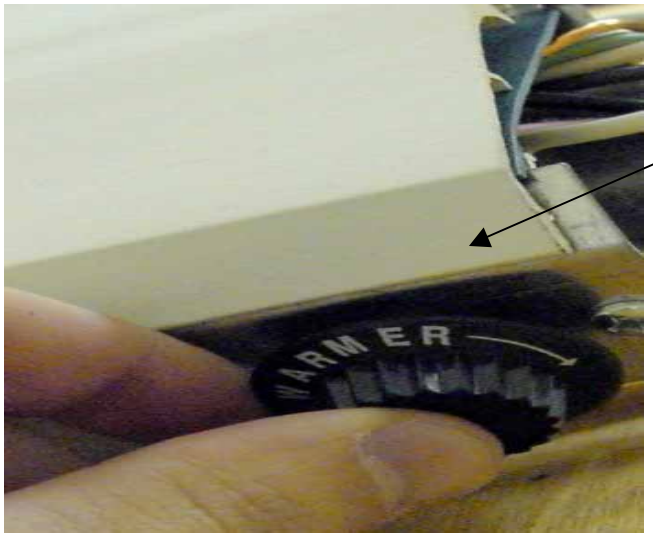


- Connect Green ground wire to Bare Copper ground wire.
- Connect Yellow element wire to one thermostat Black wire.
- Connect Black supply wire to remaining Black thermostat wire.
- Connect White crossover wire to White Neutral wire from supply.
- Cap off the Red crossover wire "for wiring multiple heaters only"
- Note for 240 volt heaters the element wire is **RED**.

Finishing Up



- Using provided painted screws secure end caps to the cove heater. (Note: it is important to carefully fold wiring back into wiring compartment making sure wires do not get between fiberboard and front extrusion.)



- Place the thermostat knob on the shaft of the thermostat.