



The Com-Pak / Com-Pak Plus Motor Replacement Instructions

<http://www.cadetheat.com/products/wall-heaters>

MODELS

The Com-Pak Plus

C202, C152, C122, C102,
C072, C151, C101, C051, C208
CS021, CS051, CS052, CS058,
CS072, CS078, CS101, CS102,
CS118, CS122, CS151, CS152,
CS158, CS202, CS208

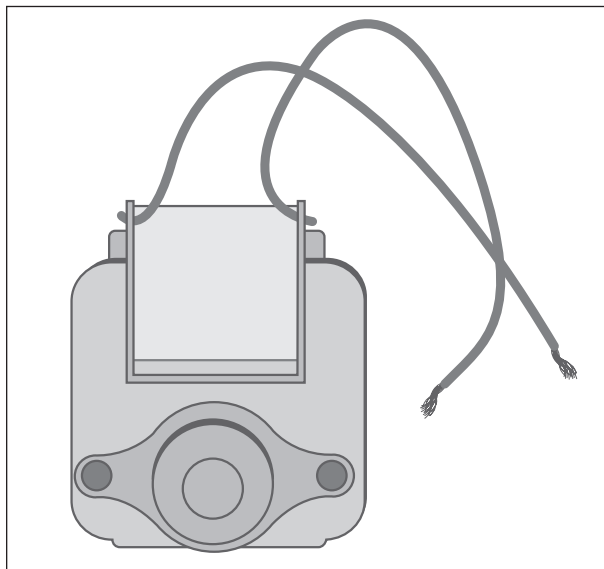
The Com-Pak Twin Plus

CT402, CT302, CT408,
CST102, CST152,
CST302, CST308,
CST402, CST408

Note: Now is the perfect opportunity to clean your heater. See original product Owner's Guide or go to cadetheat.com/support/install-help#install and find a detailed cleaning instruction video.

TOOLS REQUIRED:

- Phillips Screwdriver
- Wire Cutter
- Wire Stripper
- Nylon Wire Ties
- Crimping Tool and Connectors
- Needle Nose Pliers
- 5/16" Nut Driver
- Wire Connectors



IMPORTANT INSTRUCTIONS



⚠ WARNING

Turn the electrical power off at the electrical panel board (circuit breaker or fuse box) and lock or tag the panel board door to prevent someone from turning on power while you are working on the heater. Failure to do so could result in serious electrical shock, burns, or possible death.

IF YOU ARE UNCOMFORTABLE WORKING WITH ELECTRICAL APPLIANCES, UNABLE TO FOLLOW THESE GUIDELINES, OR DO NOT HAVE THE NECESSARY EQUIPMENT, CONSULT A LICENSED ELECTRICIAN.

1. It is important that you verify power has been turned off and no power is going to the heater before proceeding. Circuit breakers are often not marked correctly and turning the wrong breaker off could mean electricity is flowing to the heater, even if the heater does not appear to be working.
2. Once you verify the power has been turned off correctly, proceed to the next step.
3. Please see your product Owner's Guide for additional installation, operation, and maintenance instructions for both motor and heater. Owner's Guides may be downloaded at cadetheat.com

Installation Instructions

1. Remove knob (if applicable) and screws to remove grill.
2. Remove grill.
3. Remove heatbox from wall can by loosening screw at top.
4. Unwiring
 - A. Remove insulated wire connectors that connect heatbox to wall can.
 - B. Cut as many nylon wire ties on back of heater as necessary for easier accessibility.
 - C. Cut motor wires (back of heater) as close to motor as possible. Strip 1/2" of insulation from remaining wires (See Figure 1.)
5. Turn heater upward, remove screw at the bottom of face cover, just above thermostat location.
6. Lift face from bottom and slide over tab on top of box, set aside.
7. Remove blower from front by inserting screwdriver through center portion of motor in back of heatbox and giving a quick "pop" to the blower (Figure 1). Be careful not to bend heating element or damage fan blower.
8. Use nut driver to remove the two nuts that secure motor to heater shell. Motor can now be removed easily. (See Figure 3)
9. Attach new motor and tighten nuts. Do not overtighten. (See Figure 3)
10. Properly align blower and press back into place. Spin with finger to make sure blower is spinning freely. (See Figure 2)
11. Replace face cover over tab on top. Snap into place. Make sure all wires are tightly pulled through pass through holes and not caught in cover.
12. Tighten securing screw on bottom of face.
13. Wiring (Specific wiring diagrams on pages 2 and 3.)
 - A. Connect each new motor wire to a previously stripped heater wire, using wire connectors.
 - B. Fasten the wiring with wire ties so all wires fit neatly to the side of the motor and are out of the way. Cut off wire tie ends.
 - C. Reconnect supply lead wires to heater, using wire connectors. Double check connections for tightness.
14. Reinstall heater into wall can tabs first, then attach screw.
15. Attach grill.
16. Turn power on and test heater.

SAVE THESE INSTRUCTIONS

cadetheat.com Tel: 360-693-2505 P.O. Box 1675 Vancouver, WA 98668-1675

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Installation Instructions

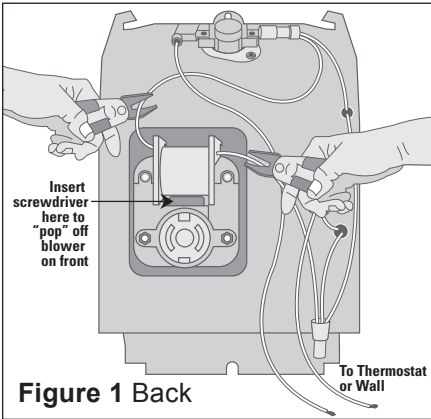


Figure 1 Back

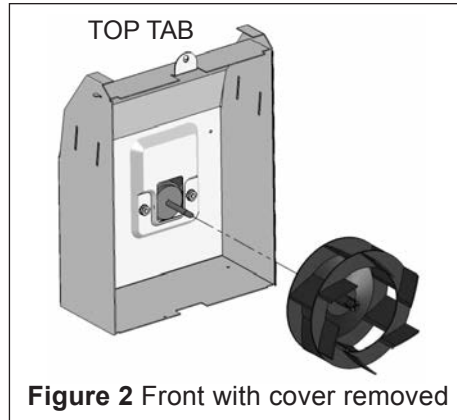


Figure 2 Front with cover removed

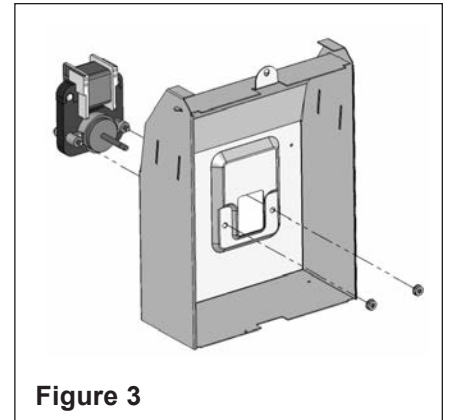
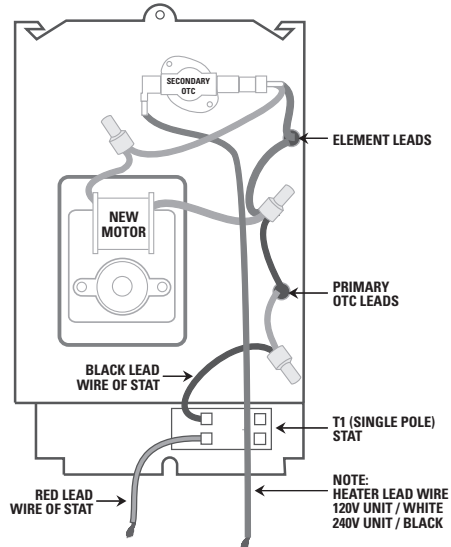


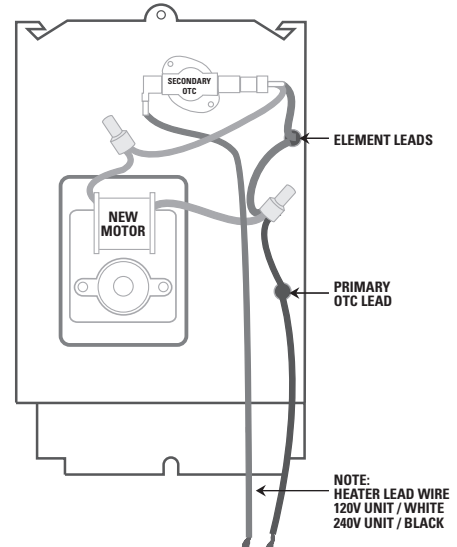
Figure 3

July 1999 - August 2009 C & CT Series WIRING DIAGRAMS SHOWING NEW MOTOR INSTALLED

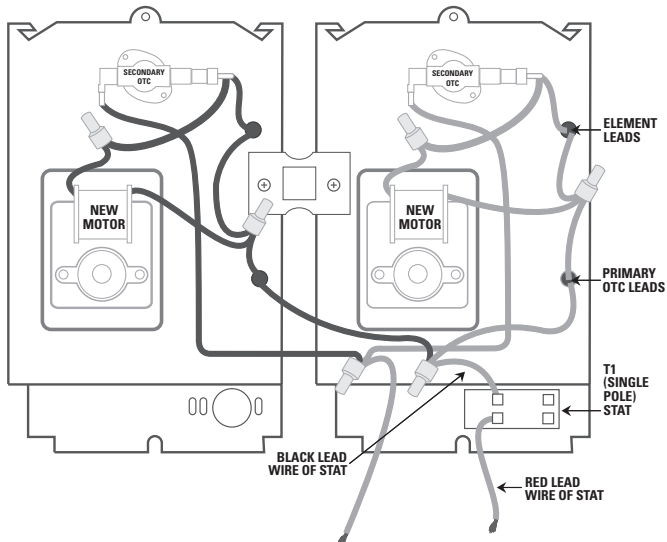
C SERIES WITH BUILT-IN THERMOSTAT



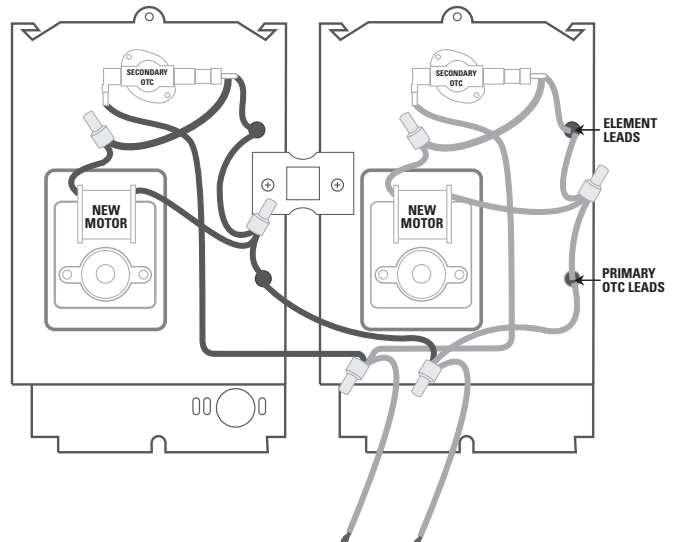
C SERIES WITHOUT THERMOSTAT



CT SERIES WITH BUILT-IN THERMOSTAT

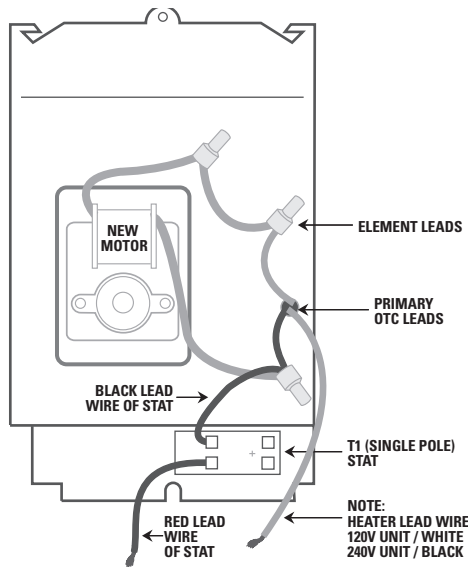


CT SERIES WITHOUT THERMOSTAT

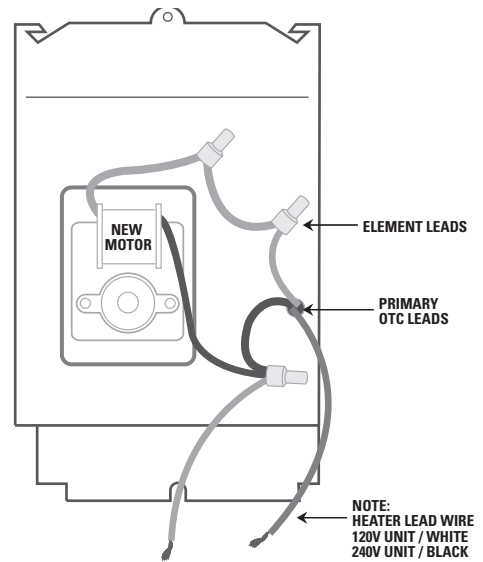


August 2009 - Present CS & CST Series WIRING DIAGRAMS SHOWING NEW MOTOR INSTALLED

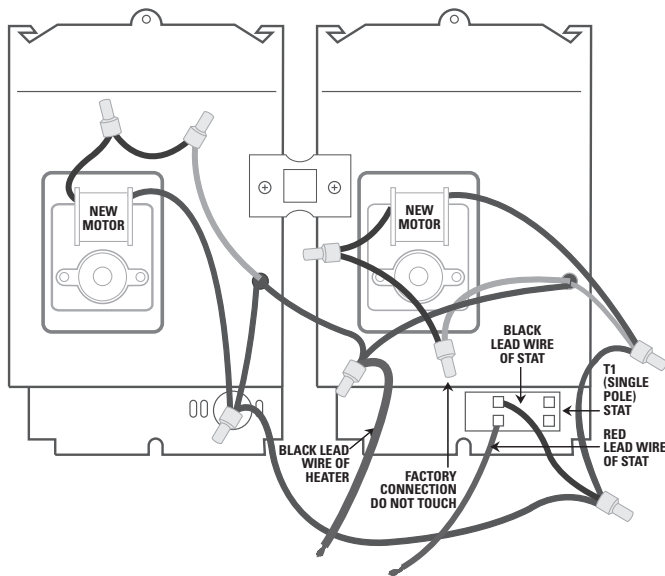
CS SERIES WITH BUILT-IN THERMOSTAT



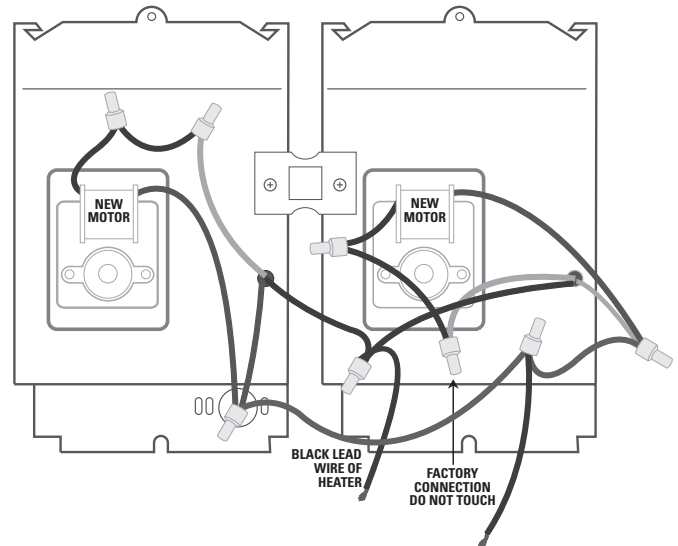
CS SERIES WITHOUT THERMOSTAT



CST SERIES WITH BUILT-IN THERMOSTAT



CST SERIES WITHOUT THERMOSTAT



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