



TRANE®

Installation

Crankcase Heater Installation

Models: TC, YC, and Voyager II

Table 1. Crankcase heater part number applications

Part number	Unit size, tons	Voltage, Vac
KIT09470	15 and 17-1/2	208-230
KIT09471	15 and 17-1/2	460
KIT09472	15 and 17-1/2	575
KIT09467	20 and 25	208-230
KIT09468	20 and 25	460
KIT09469	20 and 25	575

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NOTICE:

Warnings and Cautions appear at appropriate sections throughout this manual. Read these carefully.

⚠ WARNING -Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION -Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION -Indicates a situation that may result in equipment or property-damage-only accidents.

⚠ WARNING
Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

⚠ CAUTION
Electrical Shock!

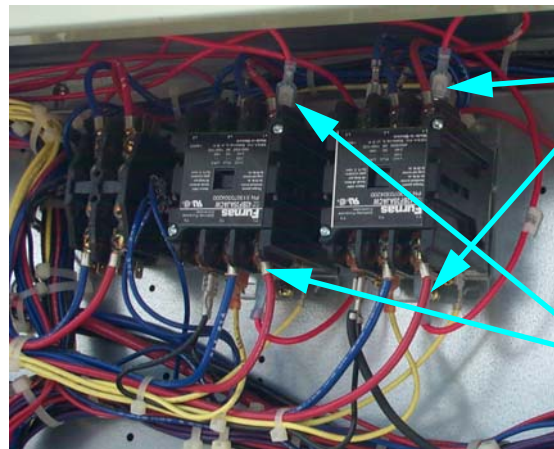
This product contains outdoor fan motor start capacitors that can remain electrically charged after the main unit power disconnect is opened. Always disconnect main power and discharge energy storing capacitors using normal service techniques. Failure to properly discharge capacitors before performing any electrical connections may result in minor to moderate injury.

1. Open or remove access panel over compressor section and remove panel over electrical enclosure.
2. Position the heater(s) around the bottom of each compressor(s). Then, tighten the securing bolt until the heater band makes firm contact with the entire heater surface. (If the heater band is not in contact with the compressor shell it will over-heat and fail.)



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3. Each heater has a green grounding wire that can be secured to the compressor mounting rail with a sheet metal screw.
4. Using the wire harness provided, connect to the terminals of the heater leads. Protect these connections by enclosing them inside the compressor junction box cover or by enclosing in the control box.
5. Route the wires along the left-hand side of the compartment, up into the control enclosure to the compressor contactors. The contactor on the left is for the compressor and its crankcase heater on the left. The heaters are wired in parallel with the contacts on the right-hand side of each contactor. One wire is wired to the top side and one wire is connected to the bottom side, on each contactor. See wiring diagram shipped with this kit for the wire connections.



Connect heater leads for compressor #1 here

Connect heater leads for compressor #2 here

6. Using wire ties, position the heater leads away from sharp edges and refrigerant lines to protect wire insulation.
7. Re-install the electrical compartment cover panel. The power supply can be re-energized by turning the disconnect switch(s) to the "ON" position. When the compressor is "NOT" running, the heaters should be energized. Carefully verify the heater is functioning. (When the compressor runs, the heaters are off.)
8. Re-position the access panel over compressor section.



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For more information, contact your local district office or e-mail us at comfort@trane.com

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Trane has a policy of continuous product data and product improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this bulletin.