

CRANKCASE HEATER KIT (FOR 3-6 Ton) MODELS DRC/DRG/DRH/DBC/DBG/DBH LIGHT COMMERCIAL ROOFTOP UNITS INSTALLATION INSTRUCTIONS

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SAFETY CONSIDERATIONS

The following symbols and labels are used throughout this manual to indicate immediate or potential safety hazards. It is the owner's and installer's responsibility to read and comply with all safety information and instructions accompanying these symbols. Failure to heed safety information increases the risk of personal injury, property damage, and/or product damage.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.


WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT.


IMPROPER INSTALLATION, ADJUSTMENT, SERVICING OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

ACCESSORY KIT NUMBERS


Part #	Ex Desc.
HECH36230	3 Ton 230 V
HECH36460	3 Ton 460 V
HECH36575	3 Ton 575 V
HECH4860230	4-6 Ton 230 V
HECH4860460	4-6 Ton 460 V
HECH4860575	4-6 Ton 575 V

KIT CONTENTS (ALL)

Item	QTY
Crankcase Heater	1
Crankcase Heater Switch	1
24 VAC Relay DPDT	1
Harness Assembly Wire #1: RED/Wire #2: BLACK - 8" approx length	1
Harness Assembly Wire #1: PINK/Wire #2: BLUE - 14" approx length	1
Screws	3
Screw for Ground Wire	1
Installation Instructions	1
Tie-Elec Sm	12


WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



ATTENTION INSTALLING PERSONNEL

As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

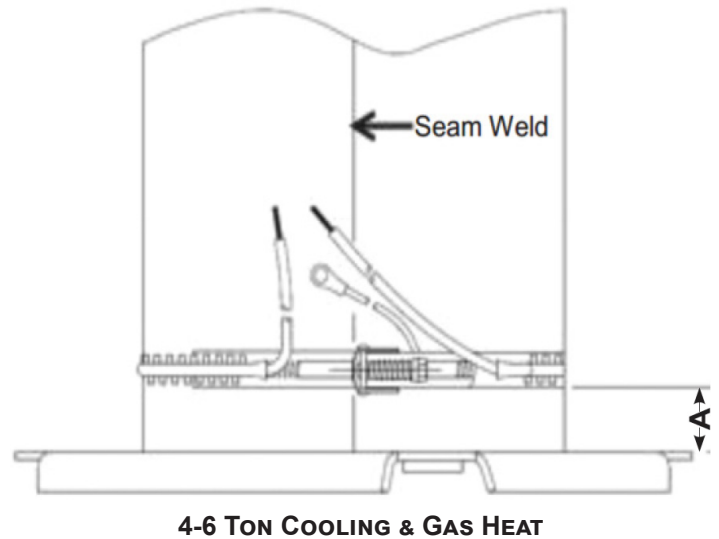
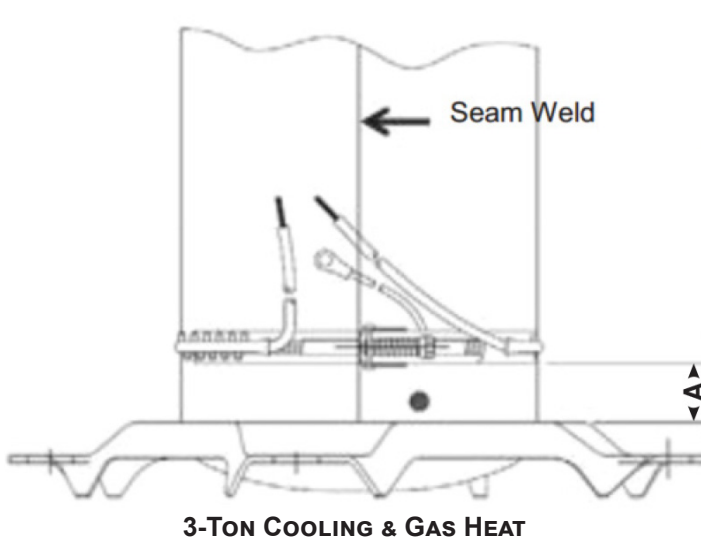
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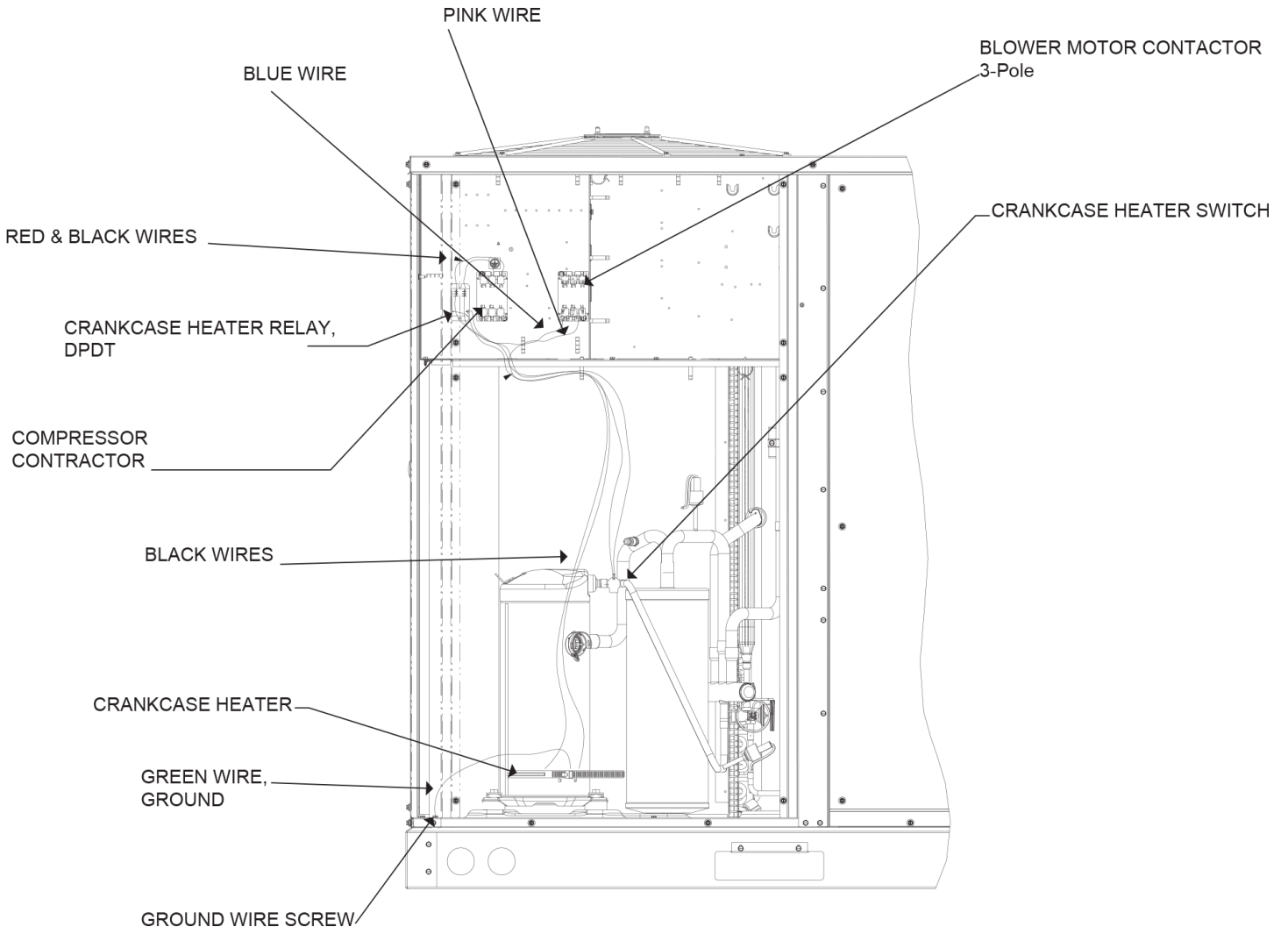


STEPS IN INSTALLING CRANKCASE HEATER

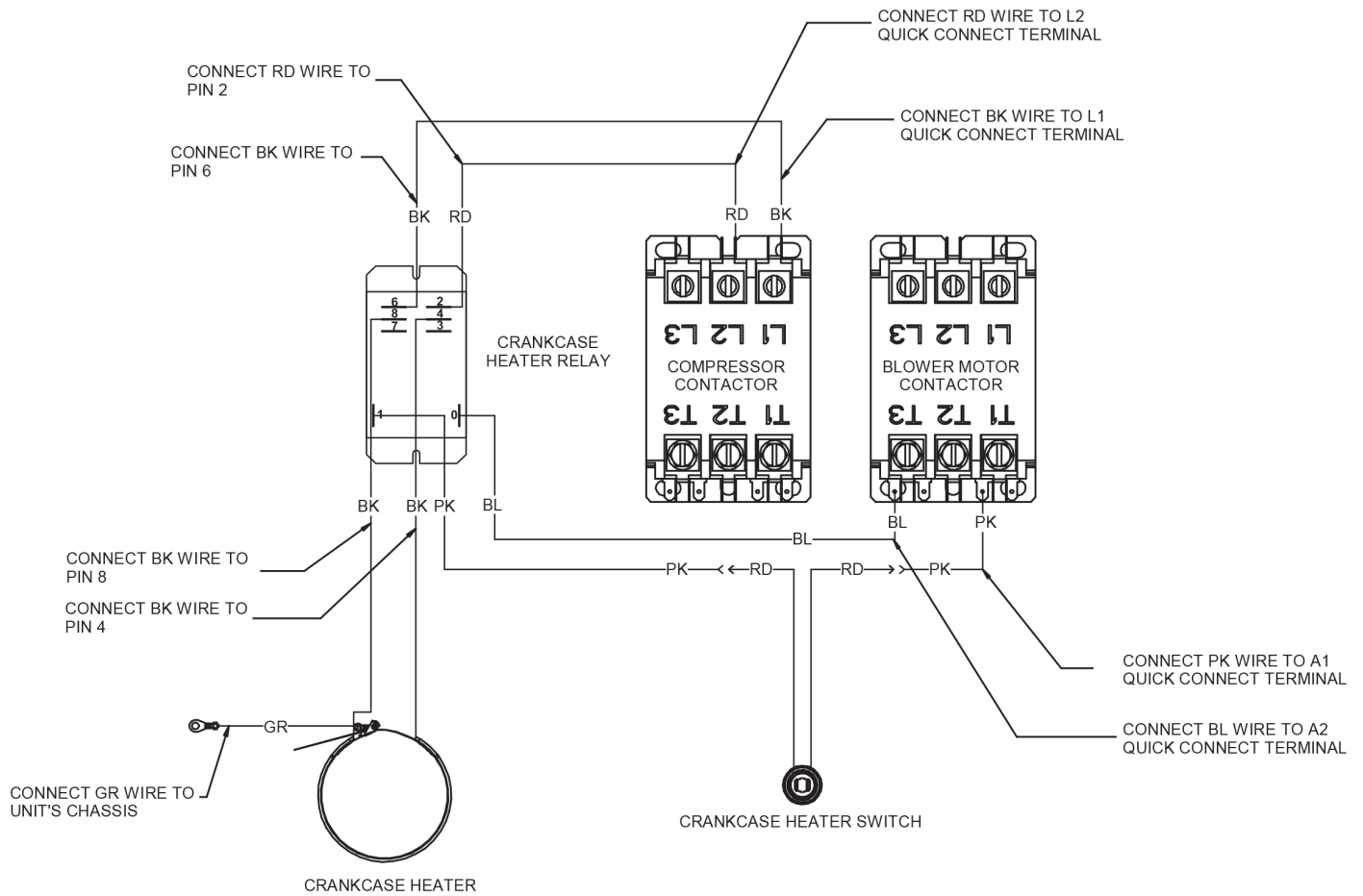
1. Install the crankcase heater relay (dpdt relay) inside the unit's control box using the screws provided with the kit. Refer to the figures on the following pages for installation location.
2. Install the crankcase heater temperature switch on the discharge line of the compressor. Refer to the figures on the following pages for installation location.
3. Connect BK & RD wires to compressor contactor L1 & L2 Terminal. Then, connect the other ends to crankcase heater relay Pin 6 and Pin 2 respectively.
4. Connect blue wire to blower contactor A2 Terminal and the other end to crankcase heater relay Pin 0.
5. Connect PK wire to blower contactor A1 Terminal and connect the other end to the crankcase heater switch.
6. Connect PK wire to crankcase heater relay Pin 1 and connect the other end to the crankcase heater switch.
7. Finally, install crankcase heater according to vertical distance "A" and connect BK wires to crankcase heater relay Pin 4 & 8. Connect the GR wire to the unit's chassis.



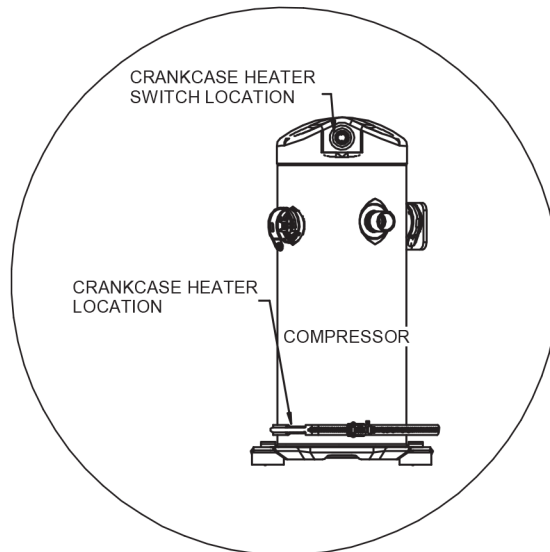
	Vertical Distance from Compressor Base "A"	Watts
	Inch (mm)	
3 Ton Cooling, Gas Heat	0.2-1.22 (5.0-31.0)	40
4-6 Ton Cooling, Gas Heat	0.2-0.47 (5.0-12.0)	40



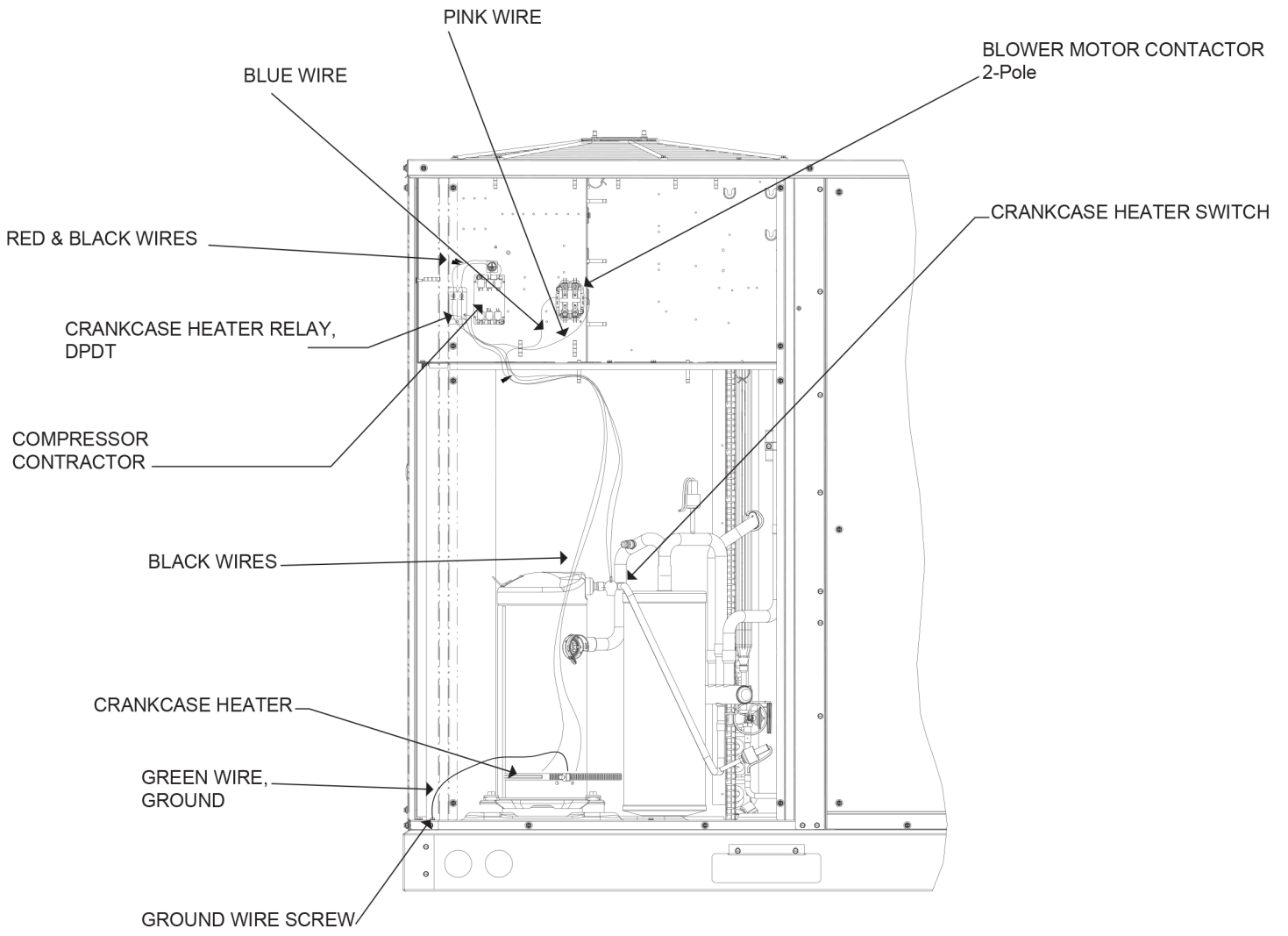
**CRANKCASE HEATER ASSEMBLY
3-6 TON, 3 PHASE**



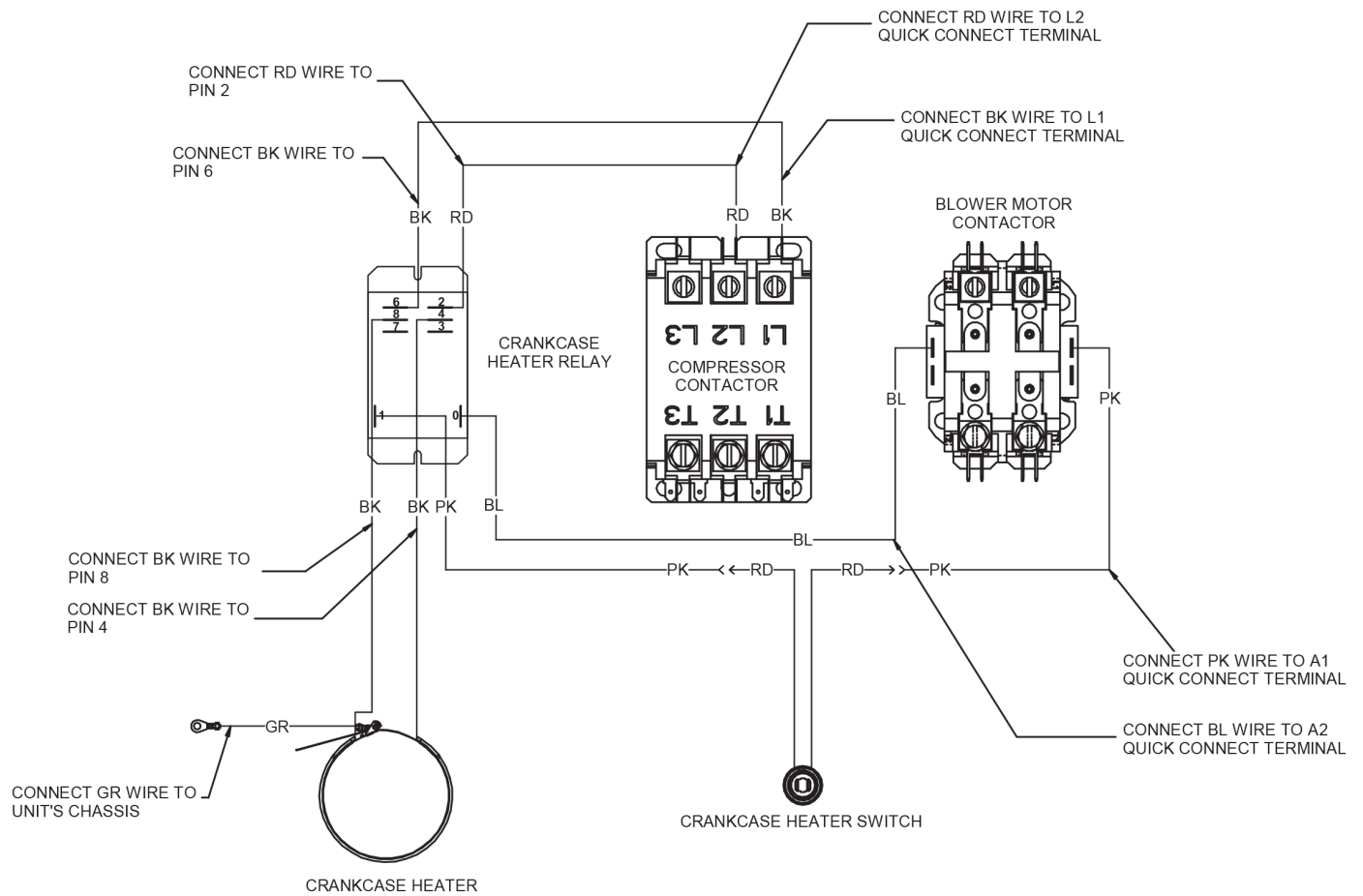
Wiring is subject to change. Always refer to the unit wiring diagram and accessory wiring diagram booklet for the most up-to-date wiring.



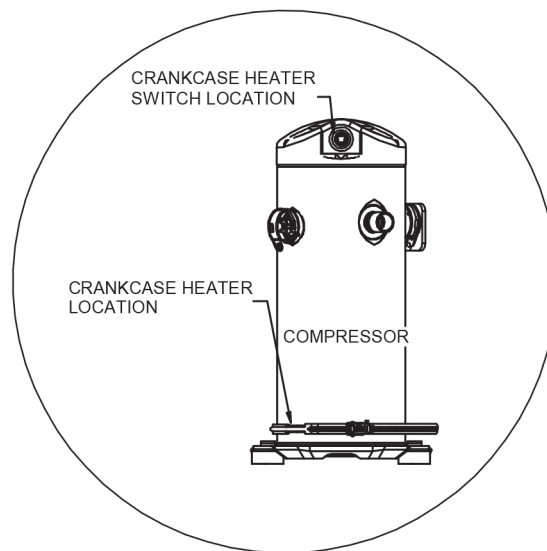
**CRANKCASE HEATER CONTROL ASSEMBLY
3-6 TON, 3 PHASE**



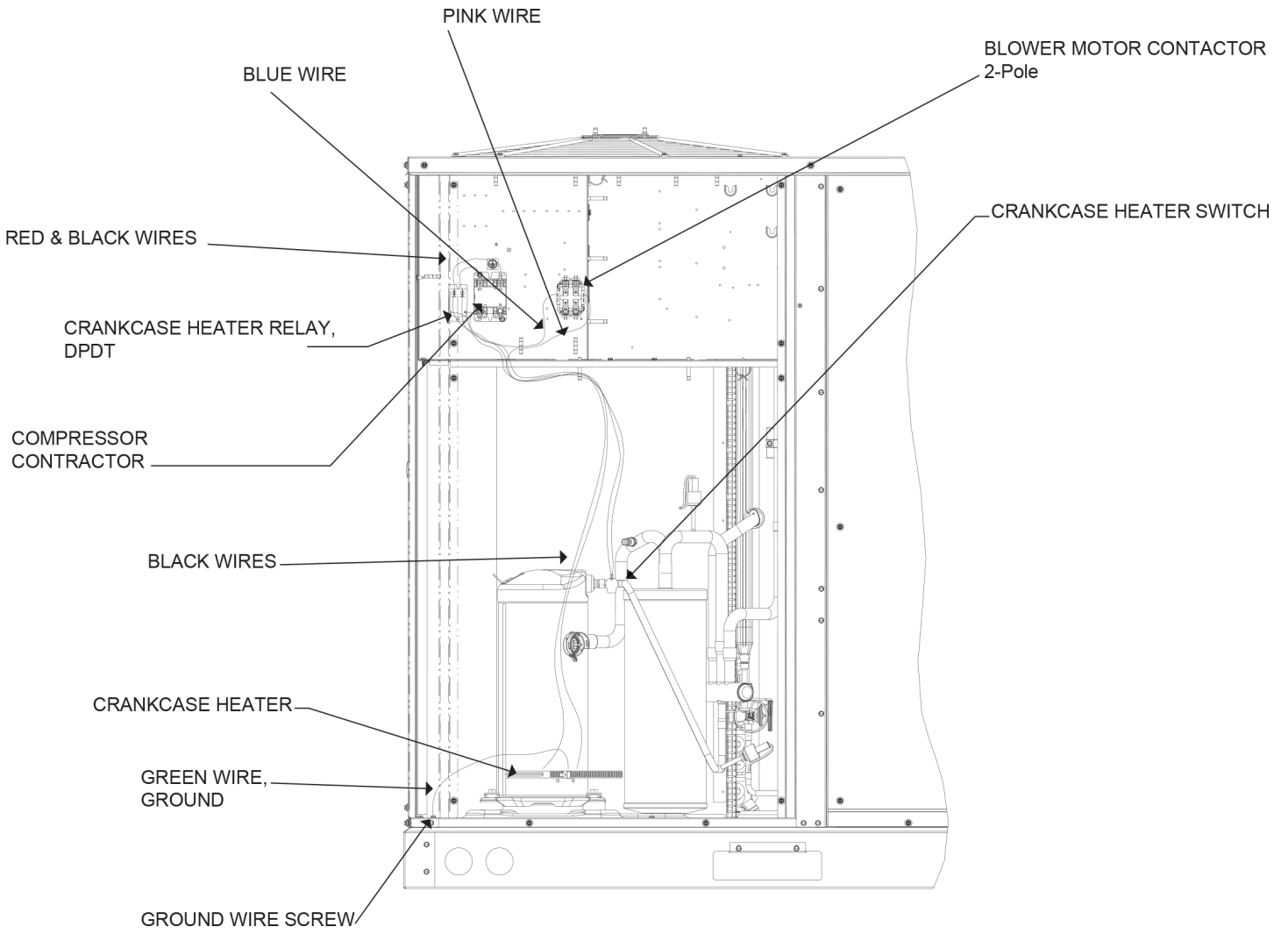
**CRANKCASE HEATER ASSEMBLY
3-6 Ton, 3 PHASE**



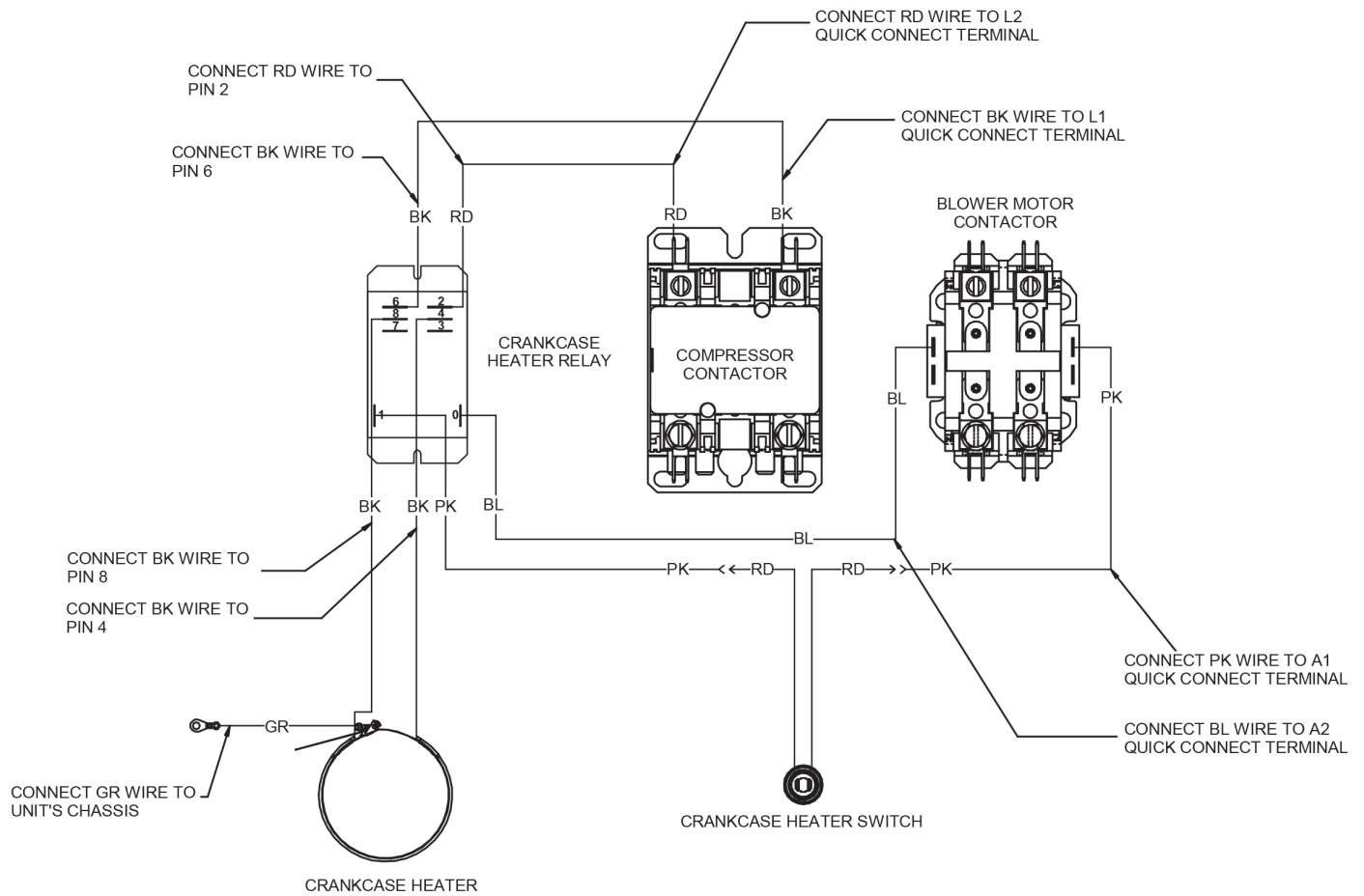
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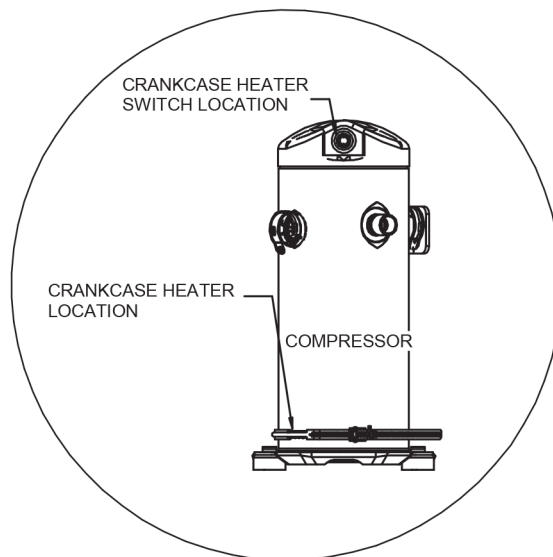
**CRANKCASE HEATER CONTROL ASSEMBLY
3-6 Ton, 3 Phase**



**CRANKCASE HEATER ASSEMBLY
3-5 Ton, 1 PHASE**



Wiring is subject to change. Always refer to the unit wiring diagram and accessory wiring diagram booklet for the most up-to-date wiring.



**CRANKCASE HEATER CONTROL ASSEMBLY
3-5 TON, 1 PHASE**

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CUSTOMER FEEDBACK

Daikin is very interested in all product comments.

Please fill out the feedback form on the following link:

<https://daikincomfort.com/contact-us>

You can also scan the QR code on the right to be directed to the feedback page.



NOTE: SPECIFICATIONS AND PERFORMANCE DATA LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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