

**INSTALLATION INSTRUCTIONS FOR CRANKCASE HEATER KIT
 USED ON KG/KC 024-300S PACKAGED UNITS**

Shipping and Packing List

76M34, 76M35, 76M36

Package 1 of 1 contains:

- 2- Crankcase heaters
- 1- Wire harness
- 1- Screw
- 1- Washer

86M42, 86M43, 86M44

Package 1 of 1 contains:

- 4- Crankcase heaters
- 1- Wire harness
- 2- Screw
- 2- Washer

**95M07, 95M08, 95M09, 21W36, 21W37, 14D86,
 14D87, 14D88**

Package 1 of 1 contains:

- 1- Crankcase heaters
- 1- Wire harness
- 1- Screw
- 1- Washer

54W17, 54W18, 54W19

Package 1 of 1 contains:

- 2- Crankcase heaters
- 1- Wire harness
- 2- Screws
- 2- Washers

Check packaging for shipping damage. Contact the last carrier immediately if any shipping damage is found.

Application

Crankcase heaters are used on units equipped with an optional low ambient kit. The crankcase heater is energized when outdoor fan motors are NOT operating.


IMPORTANT

Power wiring must be routed and secured away from hot copper piping to avoid melting wiring insulation.


WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier

Crankcase heaters are used as follows:

| | | |
|---------------|-------------|---------------------|
| 024-036 | 208/240 | 14D86 / LB-107318BM |
| 036 | 460/380/420 | 14D87 / LB-107318BN |
| 036 | 575 | 14D88 / LB-107318BP |
| 048-074 | 208/240 | 95M07 / LB-107318Y |
| 048-074 | 460/380/420 | 95M08 / LB-107318AA |
| 048-074 | 575 | 95M09 / LB-107318AB |
| 036B | 208/230 | 21W36 / LB-107318AD |
| 036B | 460/380/420 | 21W37 / LB-107318AE |
| KG/KC 092-150 | 240 | 54W17 / 603364-07 |
| KG/KC 092-150 | 460 | 54W18 / 603364-08 |
| KG/KC 092-150 | 575 | 54W19 / 603364-09 |
| 180-300S | 208/240 | 86M42 / LB-107318N |
| 180-300S | 460 | 86M43 / LB-107318P |
| 180-300S | 575 | 86M44 / LB-107318R |

Installation

- 1- Disconnect all power to unit and open compressor access panels.
- 2- Position crankcase heater below dimples on compressors as shown in figure 1. Position belly-band screw over the vertical weld seam on the compressor. Tighten belly-band screw to secure in place.

Note - Tightening the belly-band screw over the compressor seam prevents damage to the heater wire.

- 3- Route harness as shown in figure 2 for 024-074 units, figure 3 for KG/KC 092-150 units, and figure 4 for 180-300S units.
- 4- Use markings on wires to connect harness as shown in figure 5 for 024-074 units, figure 6 for KG/KC 092-150 units, and figure 7 for 180-300S units. Also refer to unit wiring diagram.

5- Secure crankcase heater ground wires using screw(s) and washer(s) provided in kit. See figure 2

for 024-074 units, figure 8 for KG/KC 092-150 units, and figure 1 for 180-300S units.

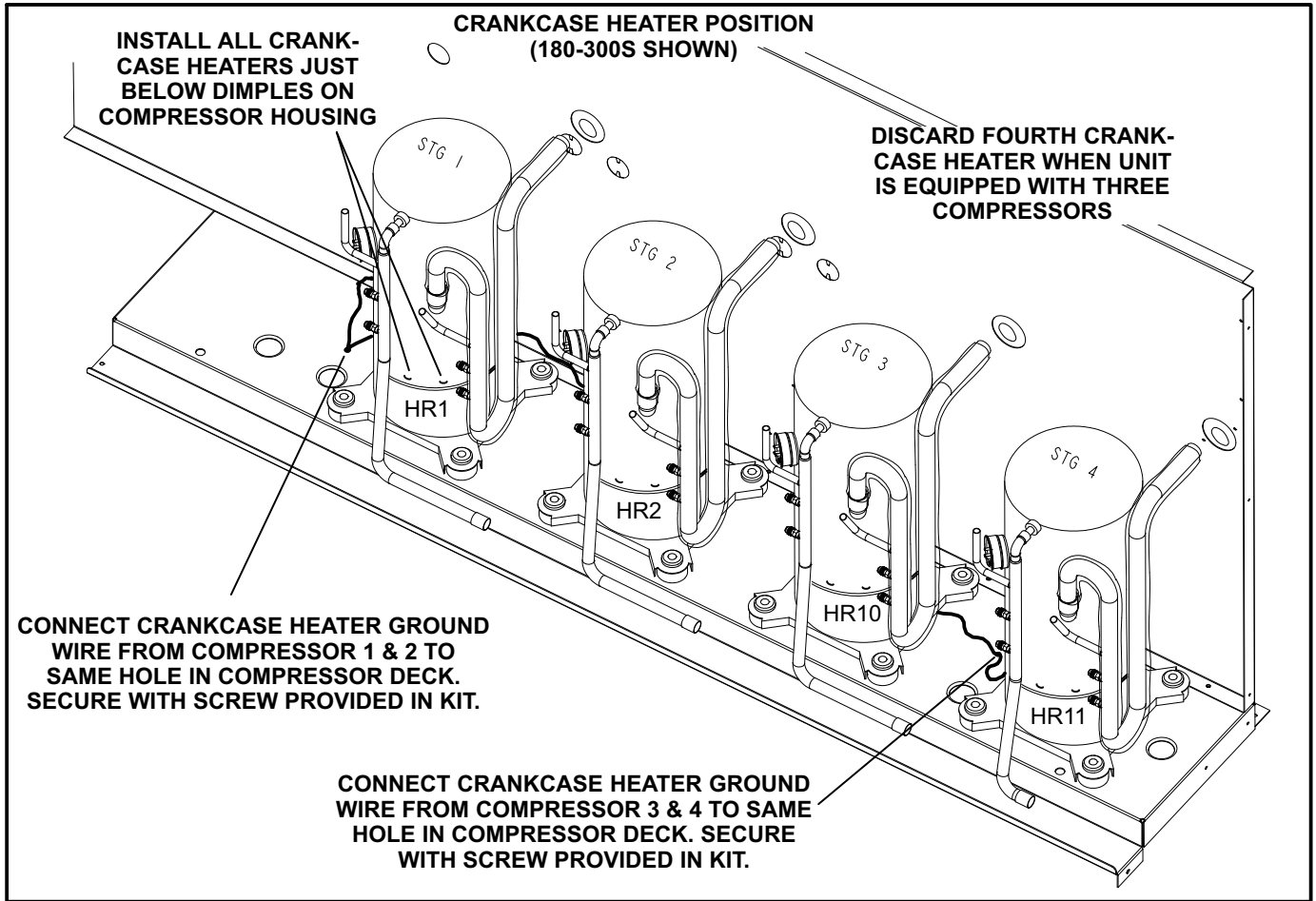


FIGURE 1

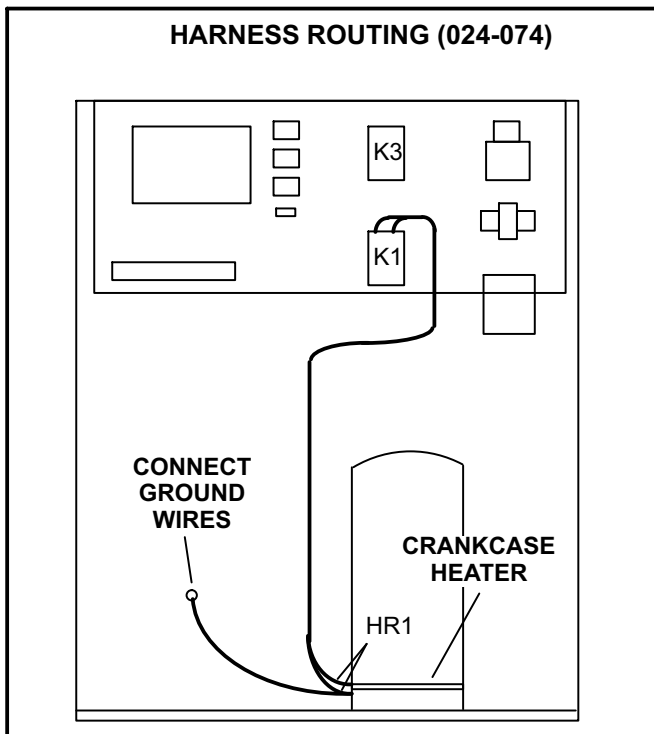


FIGURE 2

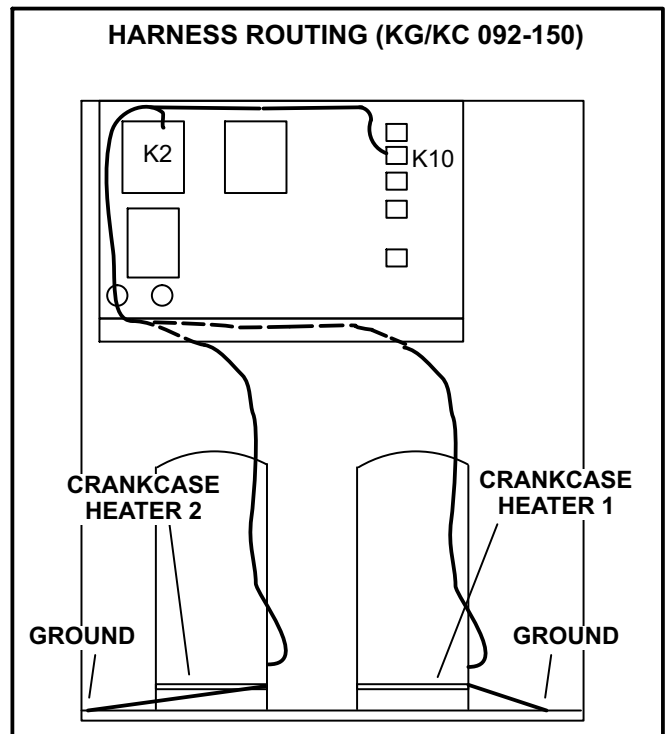


FIGURE 3

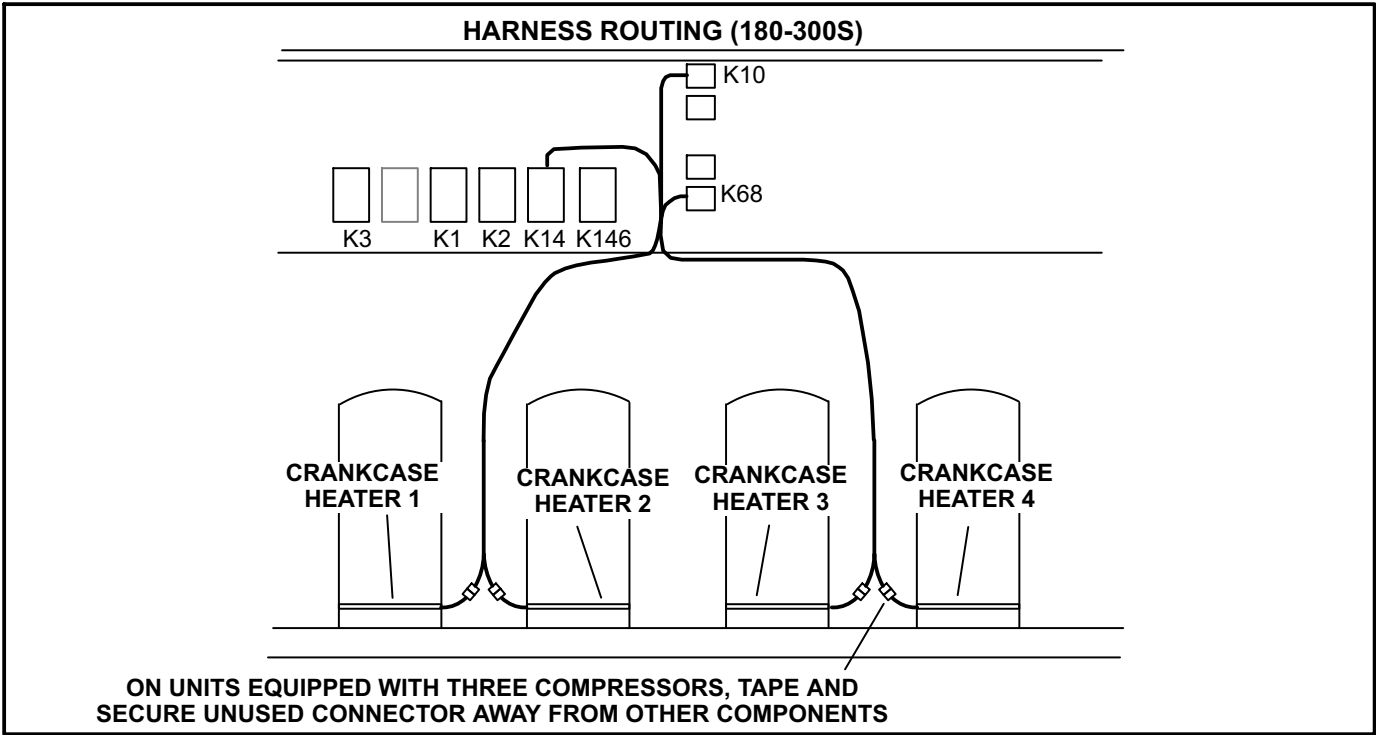


FIGURE 4

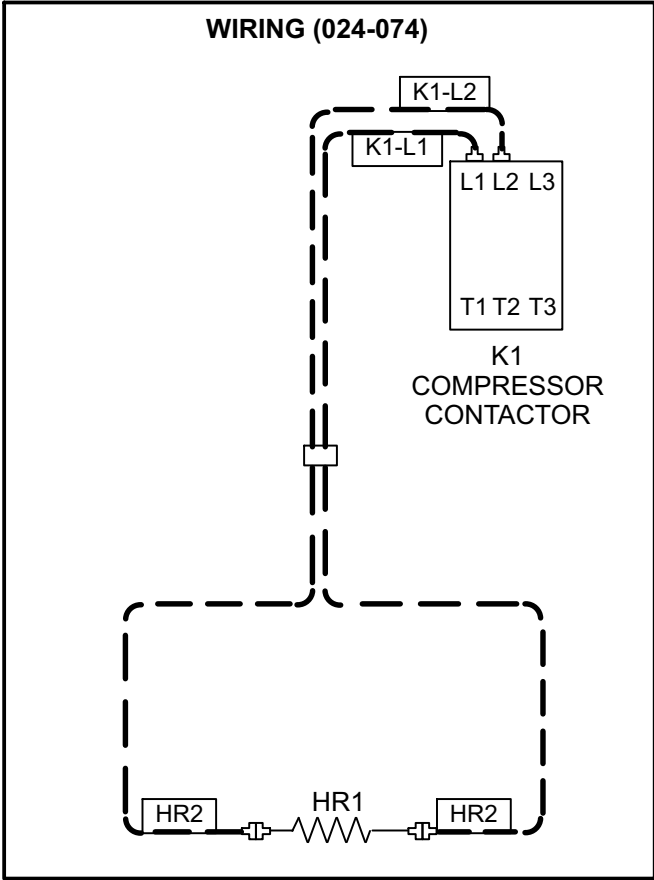


FIGURE 5

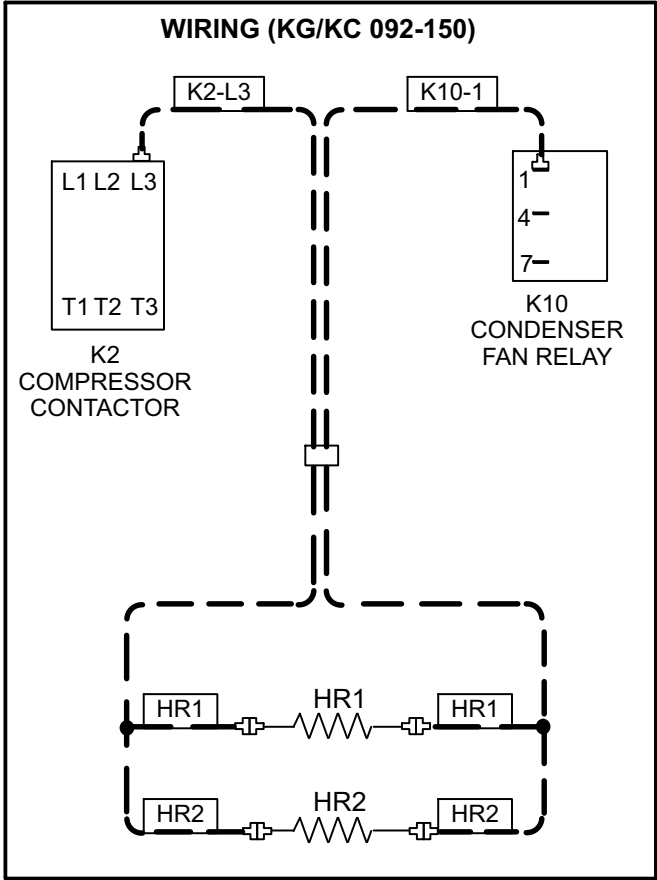


FIGURE 6

WIRING (180-300S)

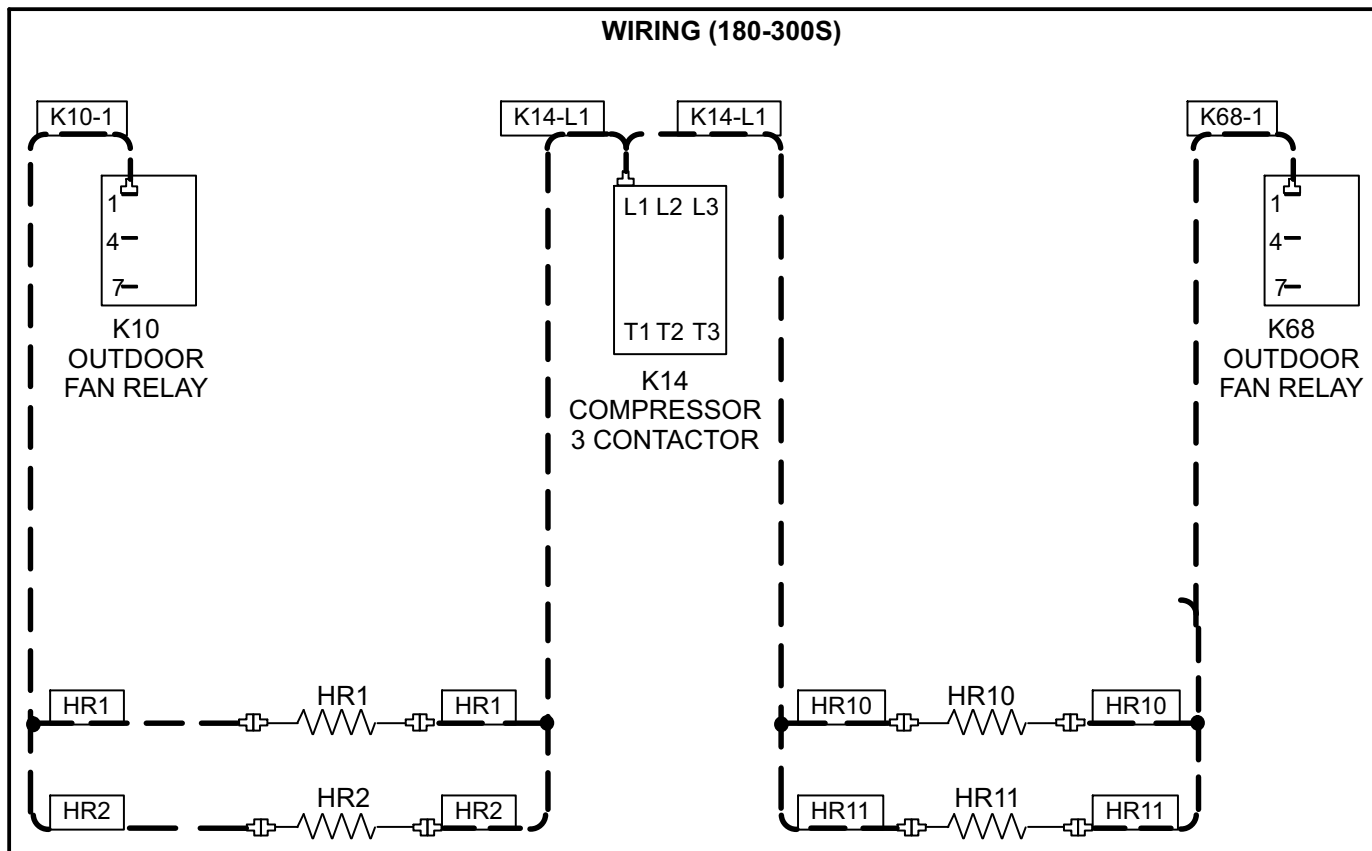


FIGURE 7

SECURE GROUND WIRE (KG/KC 092-150)

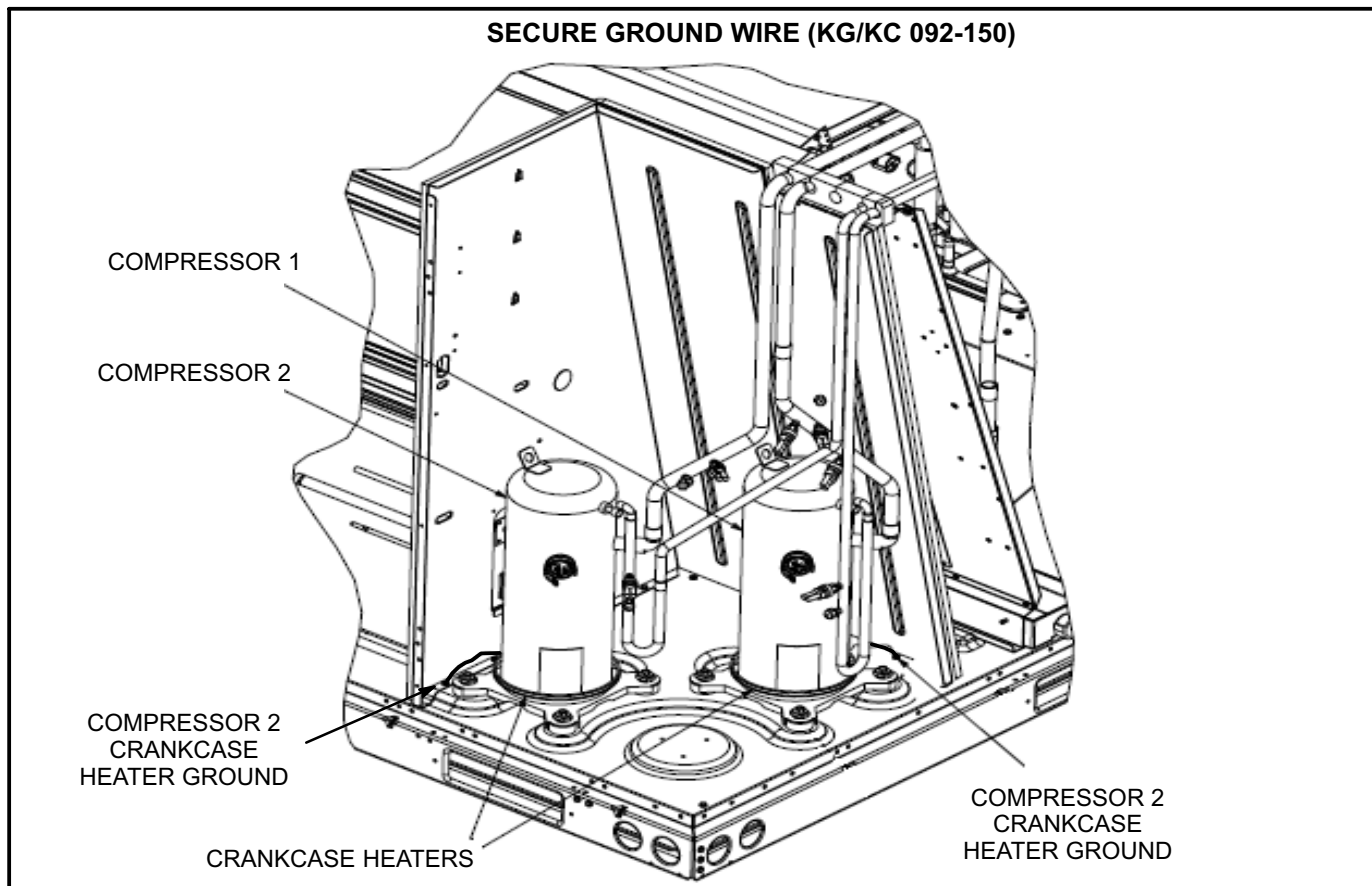


FIGURE 8