

# PACKAGED UNITS KITS AND ACCESSORIES

506410-02  
8/2018  
Supersedes 506410-01

## COLD WEATHER KIT

### INSTALLATION INSTRUCTIONS FOR COLD WEATHER KIT USED ON KG/LG 092-360 GAS PACKAGED UNITS

#### **⚠ 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

#### **⚠ CAUTION**

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

#### Shipping and Packing List

##### 13X63, 13X64, 13X65 - Package 1 of 1 contains:

- 1- Heater assembly
- 1- Relay
- Wire harnesses
  - 1-604954-01 (LG units)
  - 1-604956-01 (KG units)
- 1- #8 Screw

##### 13X66, 13X67, 13X68 -

##### Package 1 of 1 contains:

- 2- Heater assemblies
- 2- Relays
- Wire harnesses
  - 1-604784-01 (LG units - std. SCCR)
  - 1-604785-01 (KG Units)
  - 1-LB-115485A 1-604785-01 (KG units)
  - 1-105722-01 (LG units - higher SCCR)
- 4- #8 Screws

#### Application

The cold weather kit heats the gas heat compartment to allow gas valve operation during low outdoor temperatures. See table 1 for usage.

TABLE 1

| Unit     | Unit Voltage | Part No.  | Cat. No. |
|----------|--------------|-----------|----------|
| 092-152  | Y            | 613930-01 | 13X63    |
| 092-152  | G, M         | 613930-02 | 13X64    |
| 092-152  | J            | 613930-03 | 13X65    |
| 156-300S | Y            | 613930-04 | 13X66    |
| 156-300S | G, M         | 613930-05 | 13X67    |
| 156-300S | J            | 613930-06 | 13X68    |

#### Installation - LGH092-150 Units

- 1- Disconnect all power to unit and open heat access panel. See figure 1.
- 2- Locate the kit harness labeled 604954-01 kit harness. Remove cold weather kit cover and connect wires labeled HR6 to the cold weather assembly. See figure 2. Replace cold weather kit cover. Discard harness labeled 604956-01 provided in kit
- 3- Install heater assembly in heat section as shown in figure 3. Use existing screws.
- 4- Route the remaining harness wires as shown in figure 3. Make wire connections as shown in figure 2.
- 5- Open control access panel and install K125 as shown in figure 4. Secure with #8 screws provided in kit.
- 6- Locate existing wires in control box and connect to K125 as shown in figure 4 for standard SCCR units and figure 5 for high SCCR units.

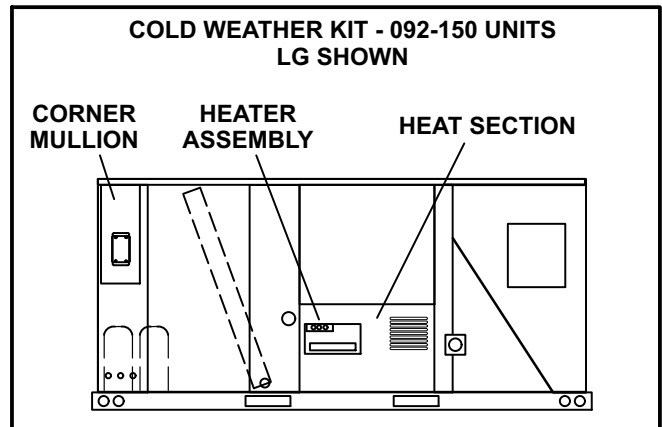
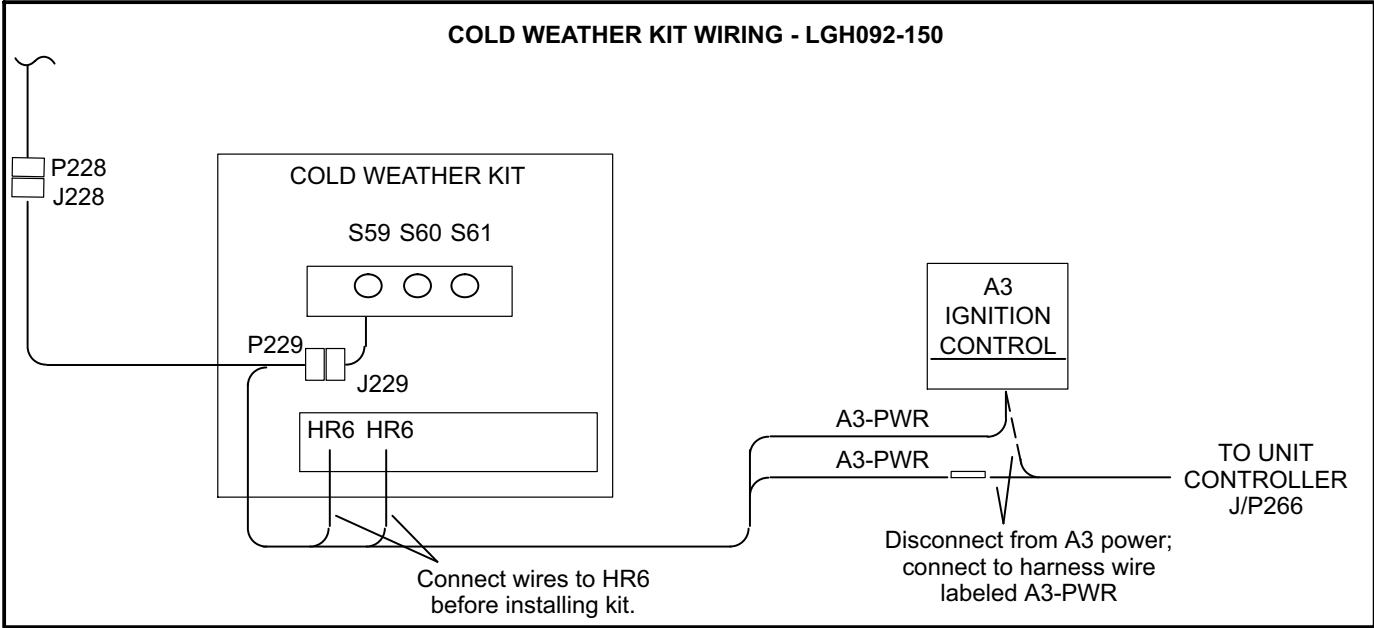
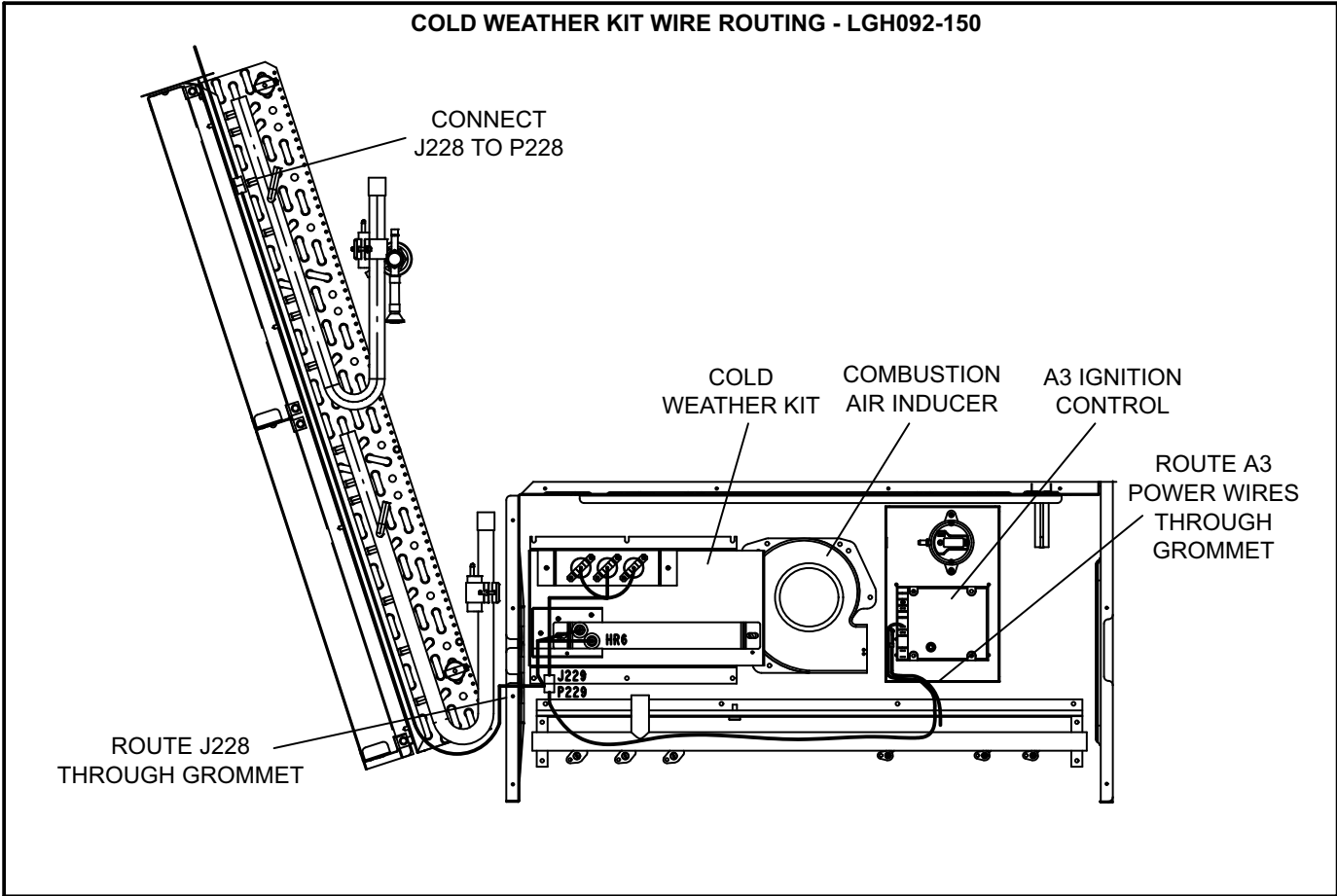


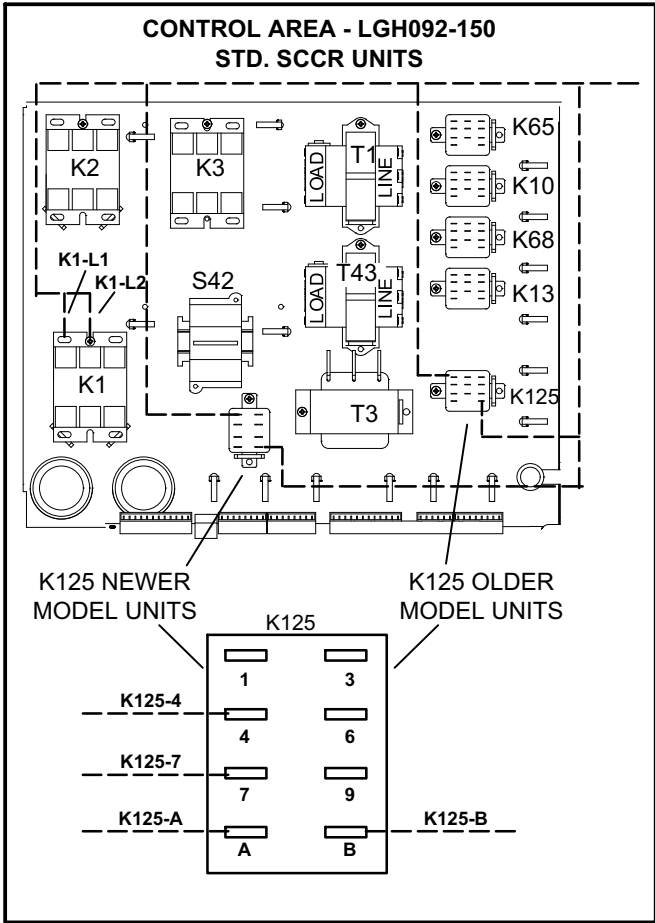
FIGURE 1



**FIGURE 2**

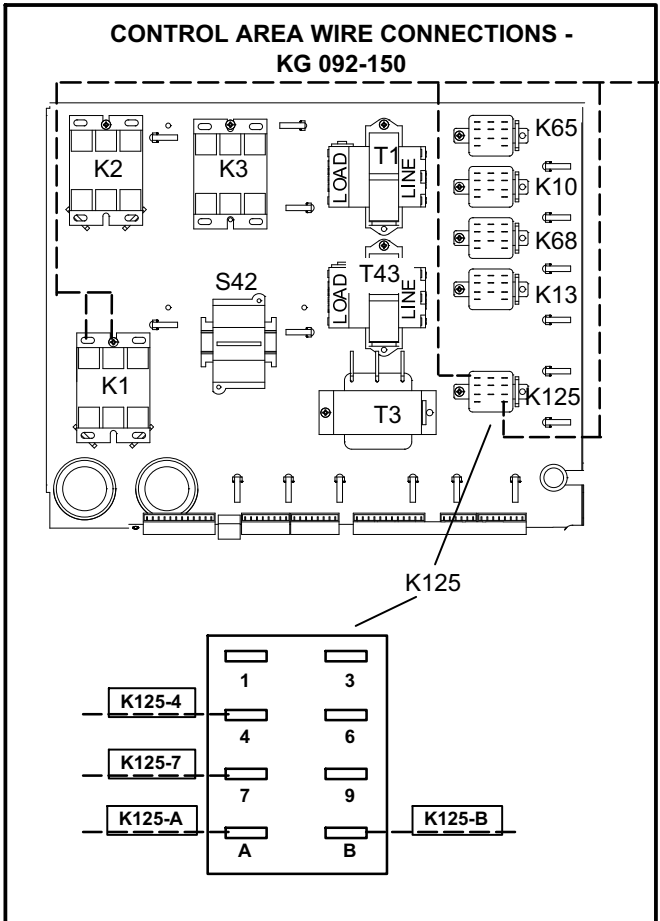
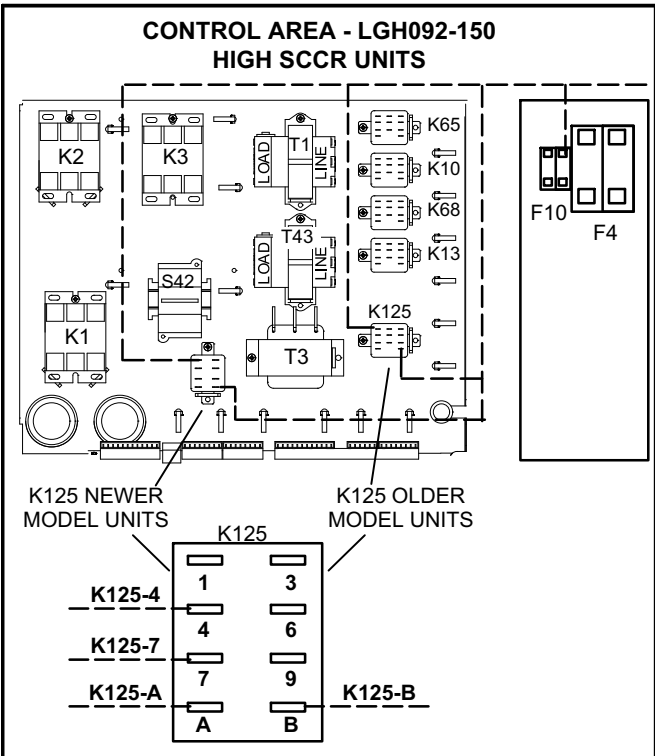


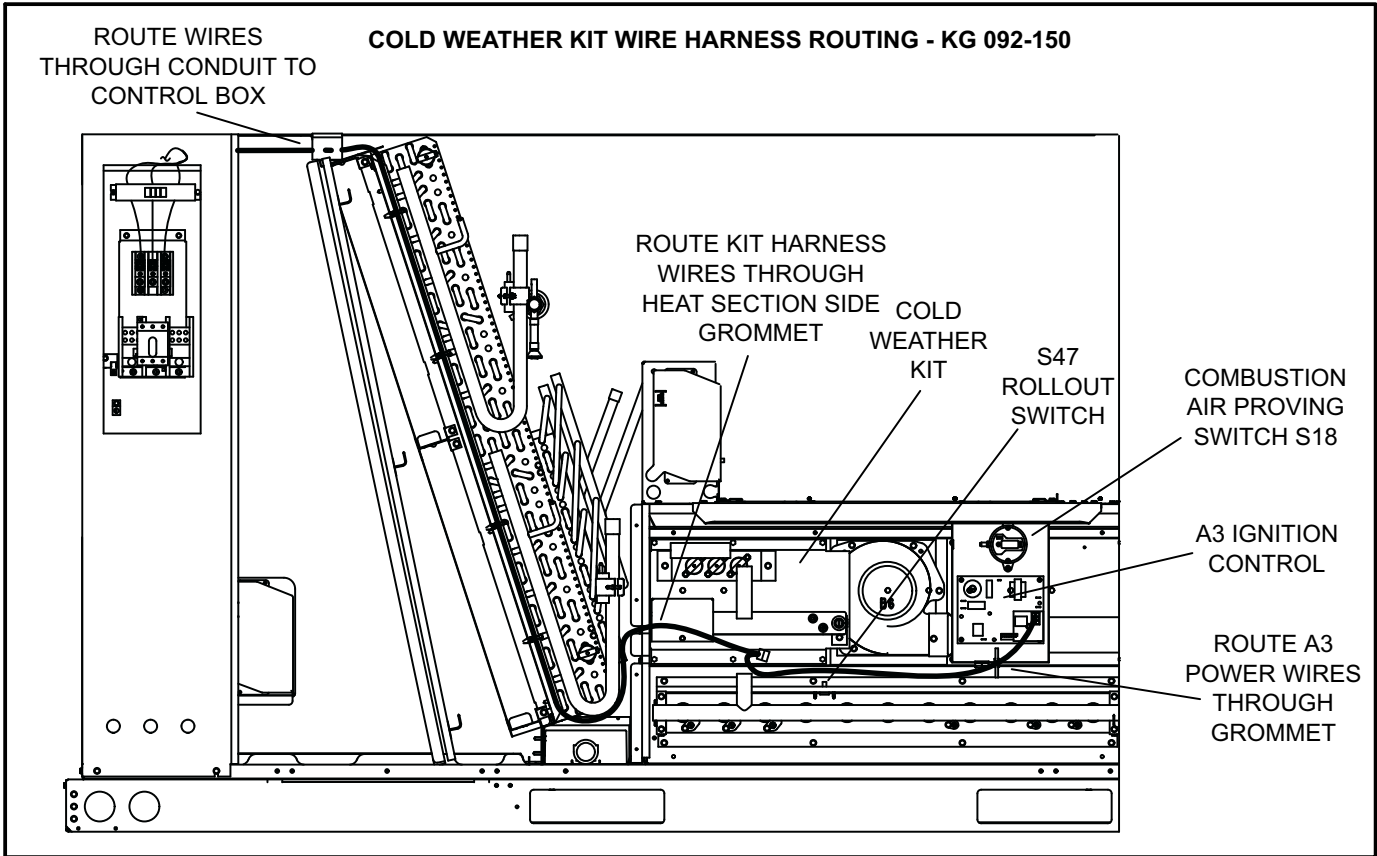
**FIGURE 3**



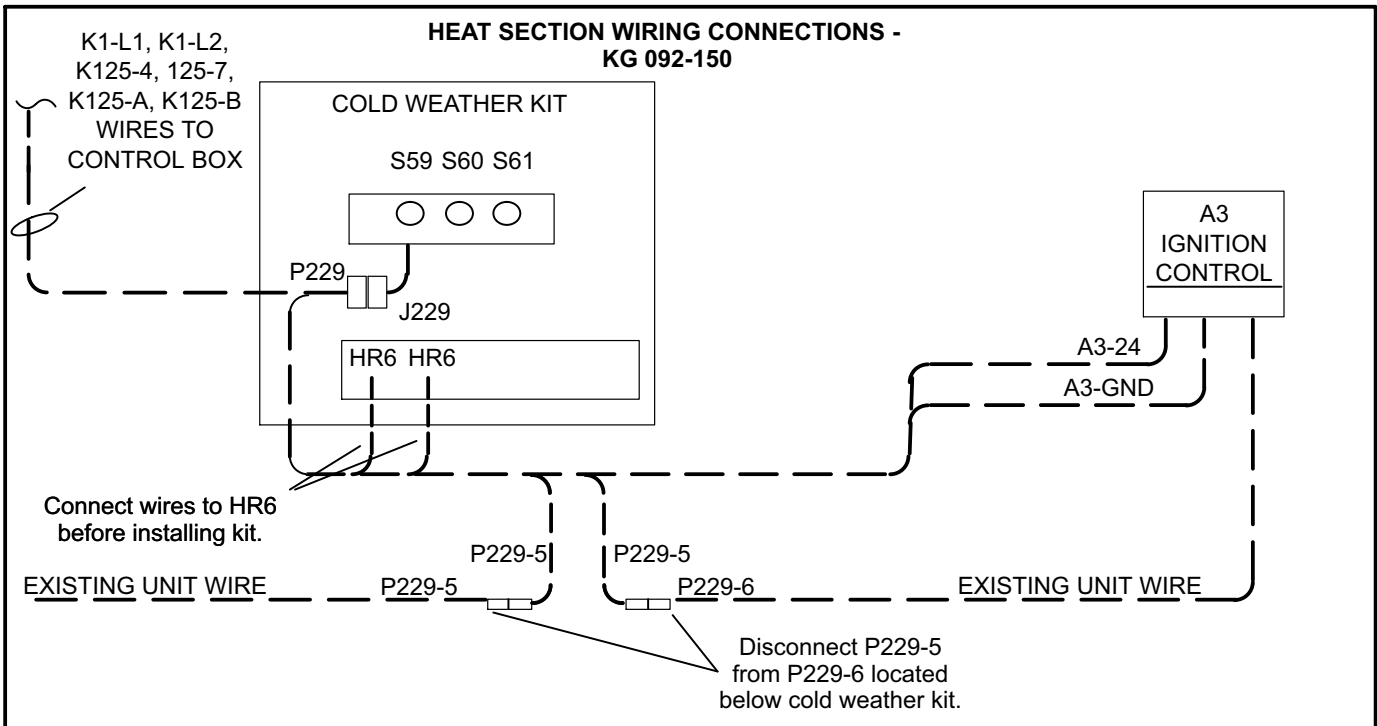
**Installation - KG 092-150 Units**

- 1- Disconnect all power to unit and open heat access panel. See figure 1.
- 2- Remove six screws that are holding the unit top to the compressor area corner mullion.
- 3- Locate the kit harness labeled 604956-01 and identify six wires labeled K1-L1, K1-L2, K125-4, K125-7, K125-A, and K125-B. Route the six wires from the heat section through the side grommet to the control box. See figure 7. Discard harness labeled 604954-01 provided in kit
- 4- Remove cold weather kit cover and connect wires labeled HR6 to the cold weather assembly. See figure 8. Replace cold weather kit cover.
- 5- Install heater assembly in heat section as shown in figure 3. Use existing screws.
- 6- Open control access panel and install K125 as shown in figure 4. Secure with #8 screws provided in kit.
- 7- Make wire connections in the control box as shown in figure 6 and in the heat section as shown in figure 8.
- 8- Replace top panel and secure in place.





**FIGURE 7**



**FIGURE 8**

## Installation - LGH156-300 Units

- 1- Disconnect all power to unit and open compressor access panels.
- 2- Install both cold weather assemblies as shown in figure 9. Use existing screws.
- 3- Install both K125 relays in control area above compressors. Secure with #8 screws. See figure 10.

- 4- Locate harness labeled 604784-01 for standard SCCR units or 105722-01 for high SCCR units. Route as shown in figure 10. Secure with wire ties. Discard unused harnesses.
- 5- Make wire connections as shown in figure 11.
- 6- Use wire ties to securely route and tie harness away from gas heat manifold.

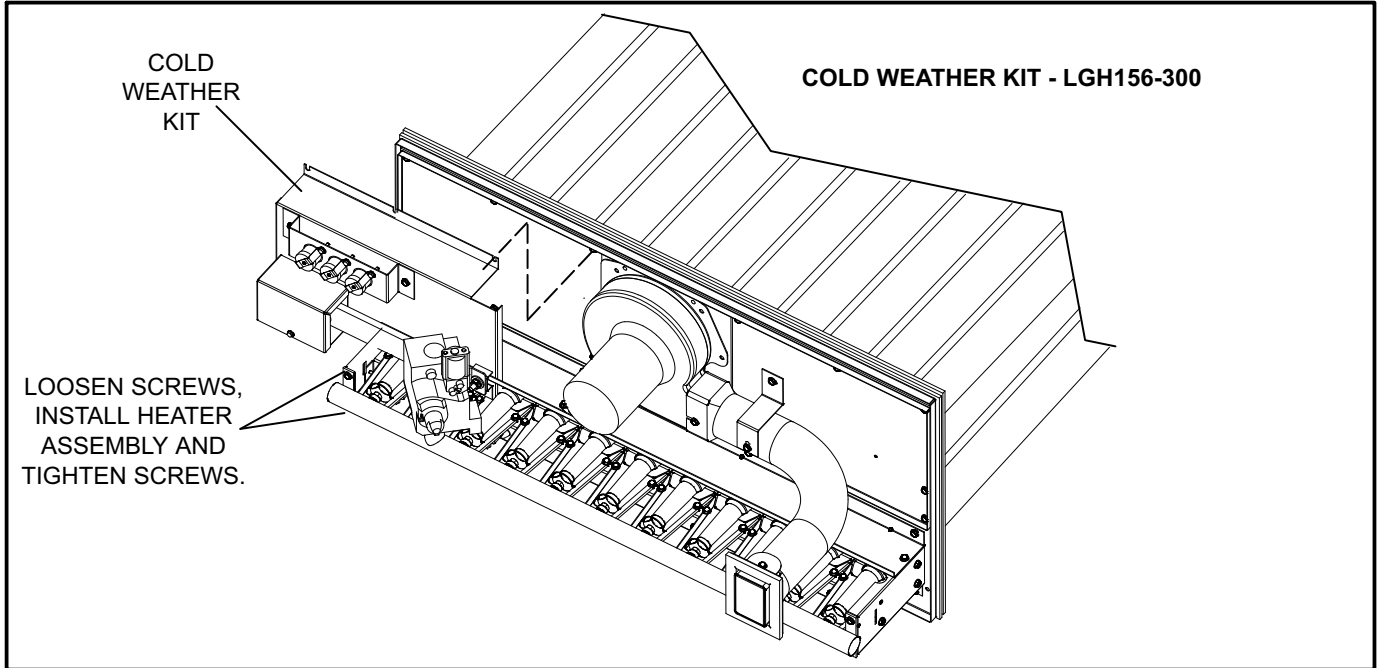


FIGURE 9

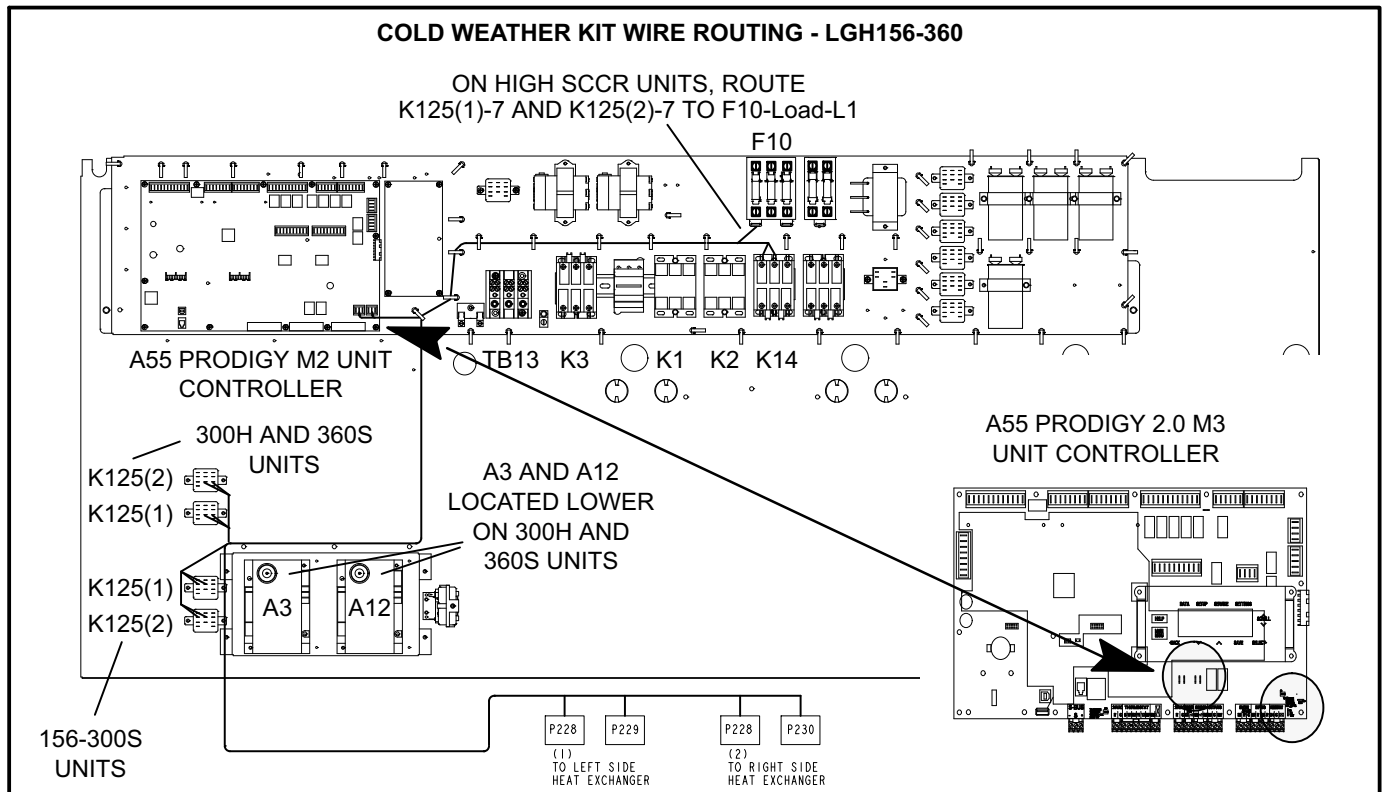


FIGURE 10

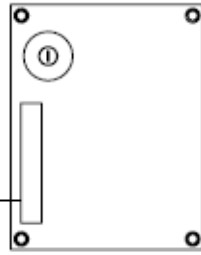
**COLD WEATHER KIT WIRING - LGH156-360**

A55 - PRODIGY 2.0  
M3 UNIT CONTROLLER

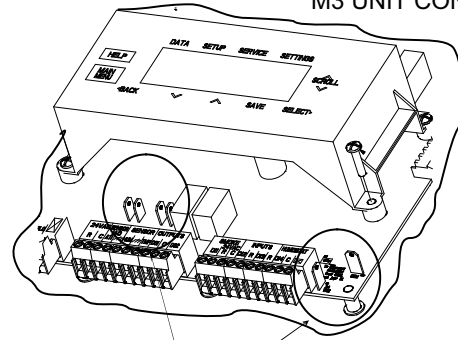
DISCONNECT WIRES  
FROM IGNITION BOARD  
A3 AND A12

--- KIT HARNESS

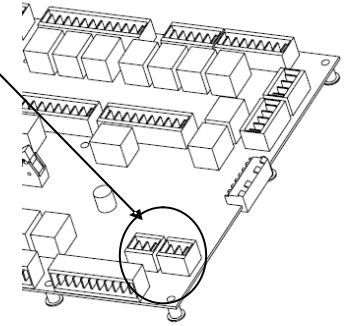
PWR



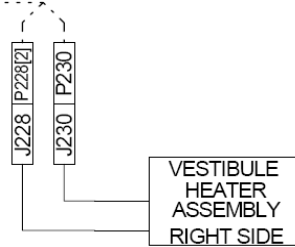
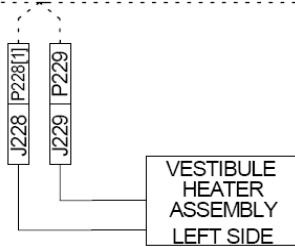
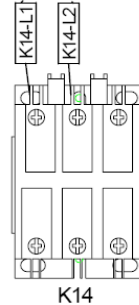
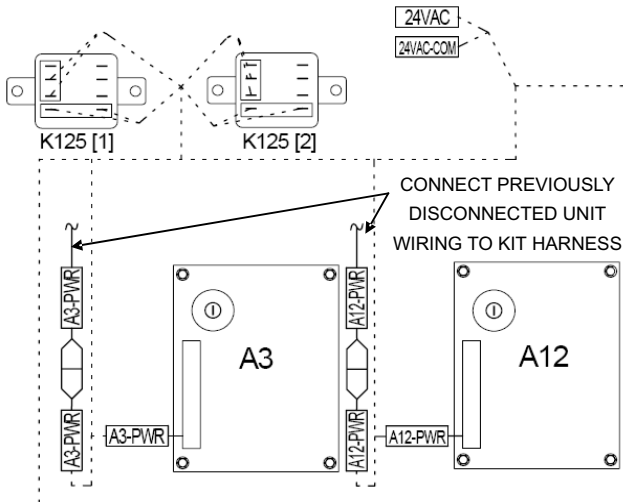
A3/A12



CONNECT TO A55  
UNIT CONTROLLER



A55 - PRODIGY  
M2 UNIT CONTROLLER

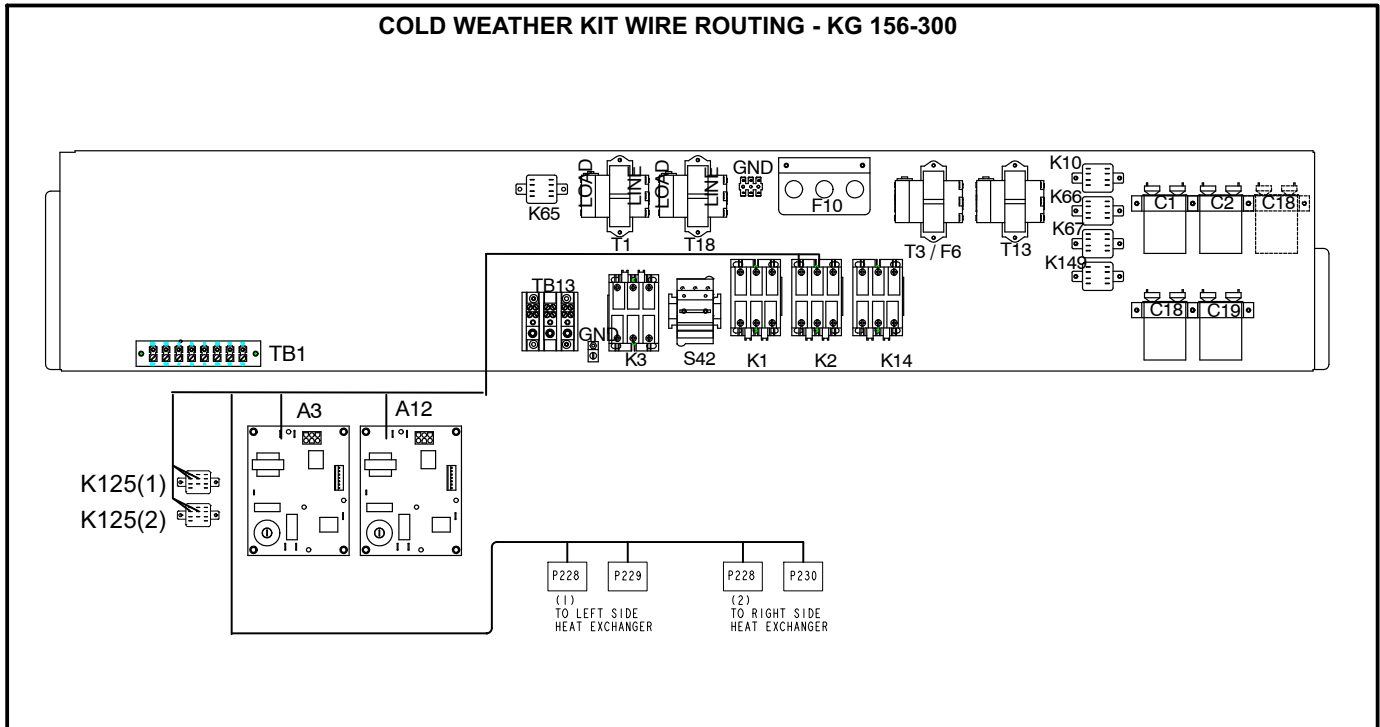


**FIGURE 11**

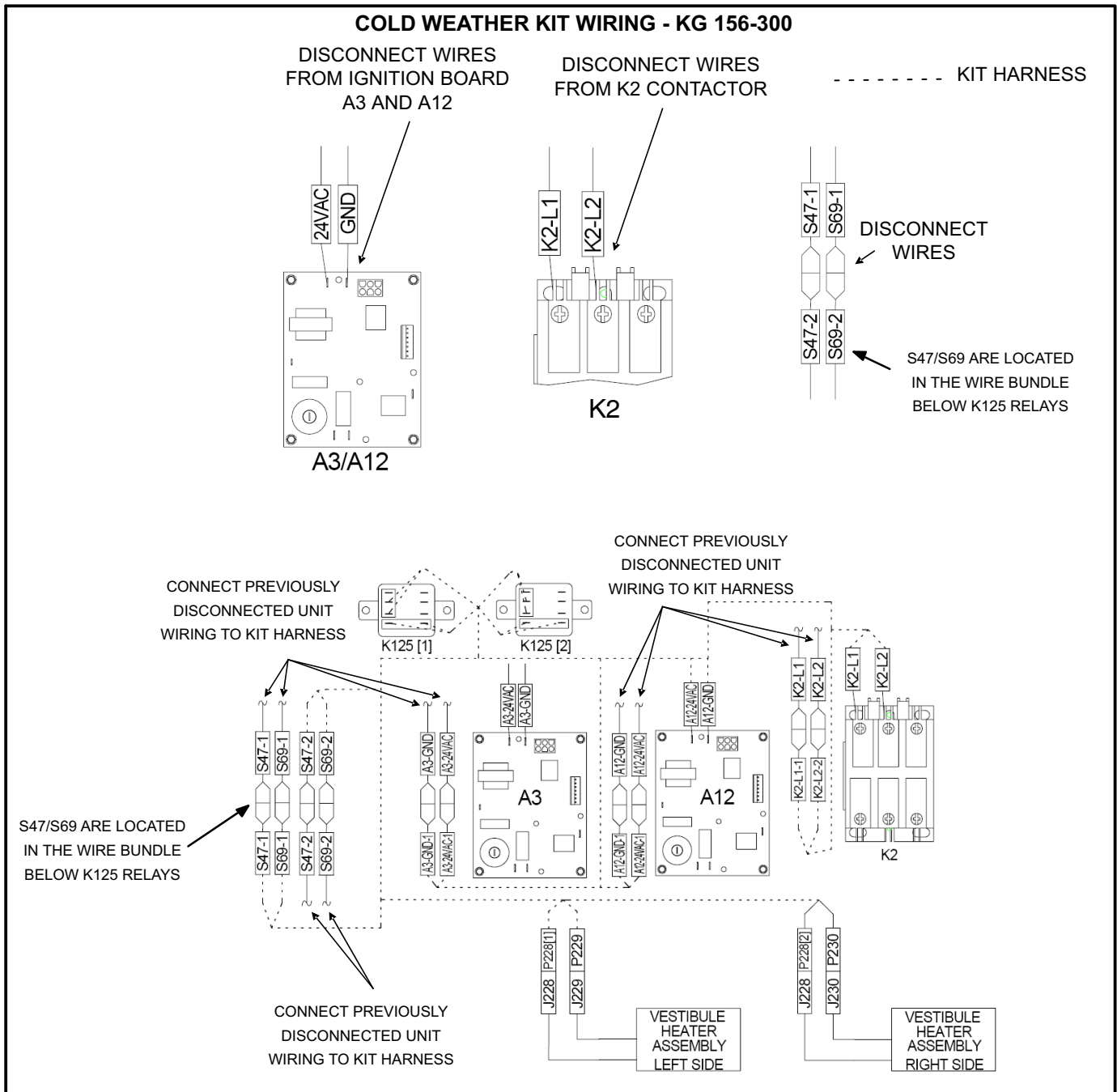
## Installation - KG 156-300 Units

- 1- Disconnect all power to unit and open compressor access panels.
- 2- Install both cold weather assemblies as shown in figure 9. Use existing screws.
- 3- Install both K125 relays in control area above

- 4- Locate harness labeled 604785-01 and route as shown in figure 10. Secure with wire ties. Discard unused harnesses.
- 5- Make wire connections as shown in figure 13.
- 6- Use wire ties to securely route and tie harness away from gas heat manifold.



**FIGURE 12**



**FIGURE 13**

### Operation

When ambient temperature drops below 20°F (-7°C), S61 closes. When ambient temperature drops below -10°F (-23°C), S60 closes to energize K125 and bring on HR6 heater.

When ambient temperature rises to 20°F (-7°C), S60 opens to de-energize HR6 heater.

When ambient temperature drops below -20°F (-29°C), S59 opens to disable GV1 gas valve. S59 closes to allow heating when temperature rises to 10°F (-12°C).