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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Unit Voltage</th>
<th>Part No.</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>092-152</td>
<td>Y</td>
<td>613930-01</td>
<td>13X63</td>
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<tr>
<td>092-152</td>
<td>G, M</td>
<td>613930-02</td>
<td>13X64</td>
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<tr>
<td>092-152</td>
<td>J</td>
<td>613930-03</td>
<td>13X65</td>
</tr>
<tr>
<td>156-300S</td>
<td>Y</td>
<td>613930-04</td>
<td>13X66</td>
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<tr>
<td>156-300S</td>
<td>G, M</td>
<td>613930-05</td>
<td>13X67</td>
</tr>
<tr>
<td>156-300S</td>
<td>J</td>
<td>613930-06</td>
<td>13X68</td>
</tr>
</tbody>
</table>

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.

COLD WEATHER KIT - 092-150 UNITS
LG SHOWN

FIGURE 1
FIGURE 2

COLD WEATHER KIT WIRING - LGH092-150

Connect wires to HR6 before installing kit.

Disconnect from A3 power; connect to harness wire labeled A3-PWR

FIGURE 3

COLD WEATHER KIT WIRE ROUTING - LGH092-150

Connect J228 to P228

ROUTE J228 THROUGH GROMMET

ROUTE A3 POWER WIRES THROUGH GROMMET

CONNECT J228 TO P228

COLD WEATHER KIT

COMBUSTION AIR INDUCER

A3 IGNITION CONTROL

TO UNIT CONTROLLER J/P266
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.
COLD WEATHER KIT WIRE HARNESS ROUTING - KG 092-150

ROUTE WIRES THROUGH CONDUIT TO CONTROL BOX

ROUTE KIT HARNESS WIRES THROUGH HEAT SECTION SIDE GROMMET

COLD WEATHER KIT

S47 ROLLOUT SWITCH

COMBUSTION AIR PROVING SWITCH S18

A3 IGNITION CONTROL

ROUTE A3 POWER WIRES THROUGH GROMMET

FIGURE 7

HEAT SECTION WIRING CONNECTIONS - KG 092-150

K1-L1, K1-L2, K125-4, 125-7, K125-A, K125-B WIRES TO CONTROL BOX

COLD WEATHER KIT

S59 S60 S61

P229

J229

HR6 HR6

A3 IGNITION CONTROL

A3-24

A3-GND

Connect wires to HR6 before installing kit.

EXISTING UNIT WIRE

P229-5

P229-6

DISCONNECT P229-5 FROM P229-6 LOCATED BELOW COLD WEATHER KIT.

P229-6

EXISTING UNIT WIRE

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**

**COLD WEATHER KIT - LGH156-300**

LOosen SCREws, INstall HeAtER ASSEMBlY anD TIGHTen SCREws.

**FIGURE 10**

**COLD WEATHER KIT WIRE ROUTING - LGH156-360**

ON HIGH SCCR UNITs, ROUTE K125(1)-7 AND K125(2)-7 TO F10-Load-L1
COLD WEATHER KIT WIRING - LGH156-360

DISCONNECT WIRES FROM IGNITION BOARD A3 AND A12

CONNECT TO A55 UNIT CONTROLLER

CONNECT PREVIOUSLY DISCONNECTED UNIT WIRING TO KIT HARNESS

A55 - PRODIGY 2.0 M3 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 compressors. Secure with #8 screws. See figure 12.
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.

COLD WEATHER KIT WIRE ROUTING - KG 156-300

FIGURE 12
**COLD WEATHER KIT WIRING - KG 156-300**

**DISCONNECT WIRES FROM IGNITION BOARD A3 AND A12**

**DISCONNECT WIRES FROM K2 CONTACTOR**

**KIT HARNESS**

**DISCONNECT WIRES FROM K2 CONTACTOR**

**S47/S69 ARE LOCATED IN THE WIRE BUNDLE BELOW K125 RELAYS**

**CONNECT PREVIOUSLY DISCONNECTED UNIT WIRING TO KIT HARNESS**

**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).