INSTALLATION INSTRUCTIONS FOR COLD WEATHER KIT
USED ON LGH/LGM 036-074 GAS PACKAGED UNITS

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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.

WARNING
Electric Shock Hazard. Can cause injury or death. Unit must be grounded in accordance with national and local codes.

Line voltage is present at all components when unit is not in operation on units with single-pole contactors. Disconnect all remote electric power supplies before opening access panel. Unit may have multiple power supplies.

Shipping and Packing List

Package 1 of 1 contains:
1- Heater assembly
1- Control assembly
1- Wire harness
4- #10 Sheet metal screws

Application

The cold weather kit heats the compressor compartment to allow gas valve operation during low outdoor temperatures.

See table 1 for usage.

TABLE 1

<table>
<thead>
<tr>
<th>Unit Voltage</th>
<th>Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>P, Y</td>
<td>604263-04; 21Z17</td>
</tr>
<tr>
<td>G, M</td>
<td>604263-05; 21Z18</td>
</tr>
<tr>
<td>J</td>
<td>604263-06; 21Z19</td>
</tr>
</tbody>
</table>

Installation

1- Disconnect all power to unit and open compressor access panel.

2- Install the heater and control assembly in the compressor compartment as shown in figure 1 and 3. Secure with provided screws.

3- Make harness and wire connections as shown in figure 2. Refer to figure 3 for component layout details.

4- Route wires away from copper plumbing. Do not leave any wires on base pan.

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.

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).
COLD WEATHER KIT WIRING

K1 COMPRESSOR CONTACTOR

L1 L2

A3 IGNITION CONTROL

A3-PWR

TO UNIT CONTROLLER

P226 ON LGH UNITS &
J393 ON LGM UNITS

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

K125 S59 S60 S61

CONTROL ASSEMBLY

P229 J229

HEATER ASSEMBLY

*ANY AVAILABLE
24VAC AND
COMMON OUTPUT

On units with optional
SCCR, connect to
F10 T2-LOAD instead
of K1-L2

FIGURE 2

FIGURE 3

UNIT CONTROLLER

K1 COMPRESSOR CONTACTOR

A3 IGNITION CONTROL

A3-PWR

CONTROL ASSEMBLY

GAS VALVE

HEATER ASSEMBLY

FIGURE 3