INSTALLATION INSTRUCTIONS FOR DISCONNECT SWITCH KIT
USED ON LG/LC/KG/KC/KH 156-300 PACKAGED UNITS

Shipping and Packing List

Package 1 of 1 contains:
1- Disconnect switch assembly
1- Disconnect door assembly
1- Bag assembly containing:
   4-#8-32 X 1/2” TFS screws
   4-Wire ties
   15-#10 Screws (10 in 54W85, 54W86, & 54W87, 90W82)
   2-Labels (S48, L123)
   2-Terminal covers (54W85, 54W88, 54W91)

Application

See table 1 for usage. Disconnect size depends on unit voltage, blower motor horsepower, and electric heat; refer to product specifications to determine which size disconnect to use with each unit.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Disconnect Kit</th>
<th>Size (Amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC/KC/KH</td>
<td>604551-01; 54W85</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>604551-02; 54W86</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>604551-03; 54W87</td>
<td>250</td>
</tr>
<tr>
<td>LG</td>
<td>604551-04; 54W88</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>604551-05; 54W89</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>604551-09; 90W82</td>
<td>250</td>
</tr>
<tr>
<td>KG</td>
<td>604551-07; 54W91</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>604551-08; 54W92</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>604551-10; 54W93</td>
<td>250</td>
</tr>
</tbody>
</table>

Installation

1- Disconnect all power to unit. Use an approved NEC electrical lockout on the main panel. Remove lockout once installation is complete.

2- Locate the panel or patch plate covering the unit fuse block, terminal block, or disconnect box opening. All are located on the right corner mullion when facing the blower access door.

3- Remove and discard the panel or patch plate.

4- LC/KC/KH 80 Amp Units -
   Remove and discard TB2 terminal block located in make-up box. See figure 1. Install the disconnect switch assembly and reconnect wires from fuse block to TB2 on the disconnect switch assembly. Trim wires as needed. See figure 2.

LC/KC/KH 150, 250 Amp Units -
   Remove and discard TB2 terminal block located in make-up box. See 3. Install the disconnect switch assembly and reconnect wires from fuse block to the disconnect switch assembly. Trim wires as needed. See figure 4.

Note - On units with electric heat, refer to the electric heat installation instruction.

LG Units:
   Remove and discard TB2 terminal block located in the make-up box. See figure 5. Install the disconnect switch assembly and reconnect wires coming from TB13. Trim wires as needed. See figure 6 and 7.

KG Units -
   Install the disconnect box assembly and secure with four #10 screws; use top and bottom mounting holes. Connect wires (supplied in kit) between TB13 and the disconnect switch assembly. Trim wires as needed. On M-Volt units, connect N-block on control pane to N-block in disconnect box. See figure 8, 9, and 10.

5- Affix L123 label below disconnect to indicate line voltage connections. Affix S48 below L123 label.

Note - Disconnects provided in this kit are bi-directional; disregard line and load side nomenclature on 80 amp disconnects.

6- Install door panel supplied in kit.
**LC/KC/KH Units:**

**Disconnect box from factory**

- **80 Amp disconnect switch**
- **F4 Fuse block**
- **Reuse wires, trim as needed**
- **Install disconnect switch assembly (#8-32x1/2"TFS 4 each)**

**Disconnect box with field installed 80 Amp disconnect switch**

- **TB2 terminal block**
- **Disconnect switch assembly**
- **Remove TB2**
- **Line Voltage Connections**
- **Optional electric heat power wiring**

Note - Manufacturer indicates the 80 amp disconnect is bi-directional.
**LC/KC/KH Units:**

*Disconnect box from factory*

*Disconnect box with field installed*  
150 Amp, 250 Amp disconnect switch

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**Figure 3**

- F4 Fuse block
- Reuse wires, trim as needed
- Install disconnect switch assembly  
  (#8-32x1/2”TFS 4 each)
- Disconnect switch assembly
- Remove TB2  
  Line Voltage Connections
- Optional electric heat power wiring

**Figure 4**
LG Units:

**Disconnected box from factory**

- Reuse wires, trim as needed
- Install disconnect switch assembly (#8-32x1/2"TFS 4 each)
- Disconnect switch assembly
- Remove TB2
- Line Voltage Connections

**Disconnected box with field installed 80 Amp disconnect switch**

- Note - Manufacturer indicates the 80 amp disconnect is bi-directional.
- Terminal covers

**Disconnected box with field installed 150 Amp, 250 Amp disconnect switch**

- Reuse wires, trim as needed
- Install disconnect switch assembly (#8-32x1/2"TFS 4 each)
- Disconnect switch assembly
- Line Voltage Connections

FIGURE 5

FIGURE 6

FIGURE 7
**On KG Units:**

**FIGURE 8**

Disconnect box with field installed
80 Amp disconnect switch

Disconnect box with field installed
150 Amp, 250 Amp disconnect switch

Terminal covers

Wires provided in kit

TB2 terminal block

Install disconnect switch assembly
(#8-32x1/2”TFS 4 each)

Disconnect switch assembly

Line Voltage Connections

Connect on M-Volt units only

**FIGURE 9**

Note - Manufacturer indicates the 80 amp disconnect is bi-directional.

**FIGURE 10**
Wiring

Make wiring connections as shown in table 2 and on unit diagram. Refer to local codes. Use the following figures to make wiring connections:

80A Disconnects

Install plastic terminal covers on the disconnect switch after wiring connections are completed.

**TABLE 2**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Disconnect (Amps)</th>
<th>Figure</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC/KC/KH</td>
<td>80</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>150, 250</td>
<td>12</td>
</tr>
<tr>
<td>LG</td>
<td>80</td>
<td>13</td>
</tr>
<tr>
<td>KG</td>
<td>80, 150, 250</td>
<td>15</td>
</tr>
</tbody>
</table>

**LC/KC/KH – 80AMP DISCONNECT**

Note - Manufacturer indicates the 80 amp disconnect is bi-directional.
**LC/KC/KH – 150AMP, 250AMP DISCONNECT**

**FIGURE 12**

**LG – 80AMP DISCONNECT**

**FIGURE 13**

Note - Manufacturer indicates the 80 amp disconnect is bi-directional.
LG – 150 & 250 AMP DISCONNECT

FIGURE 14

KG – 80AMP, 150AMP, 250 AMP DISCONNECT

FIGURE 15

On M-Volt units connect N-block on control panel to N-block in disconnect box

Note - Manufacturer indicates the 80 amp disconnect is bi-directional.