

INSTALLATION INSTRUCTIONS FOR HORIZONTAL DISCHARGE KIT (51W25; 603374-01) USED WITH LG/LC/LH/LD/KG/KC/KH/KD 078-152 UNITS

Shipping and Packing List

Package 1 of 1 contains:

- 1- Supply air cover (left)
- 1- Supply air cover (right)
- 1- Bag assembly containing: 16 Screws
- 1- Return air cover
- 1- Return air support bracket
- 1- Return air duct panel

Application

The horizontal discharge kit is used on LG/LC/LH/LD/KG/KC/KH/KD 078-152 units.

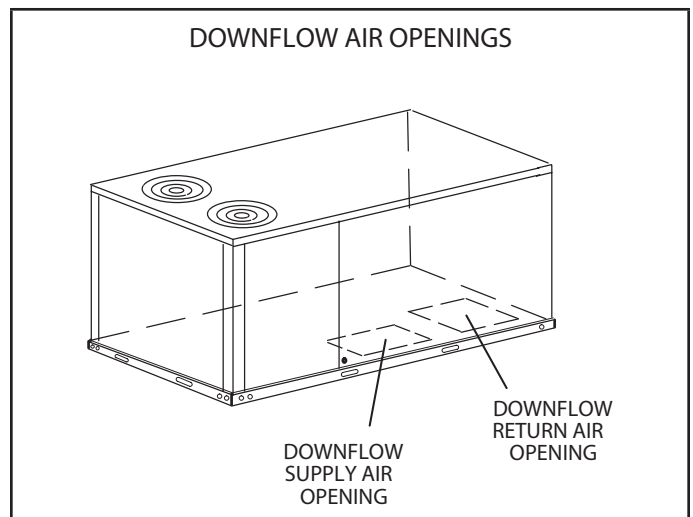
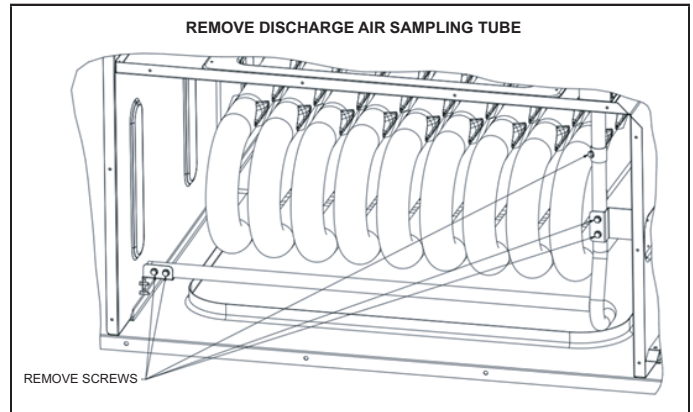
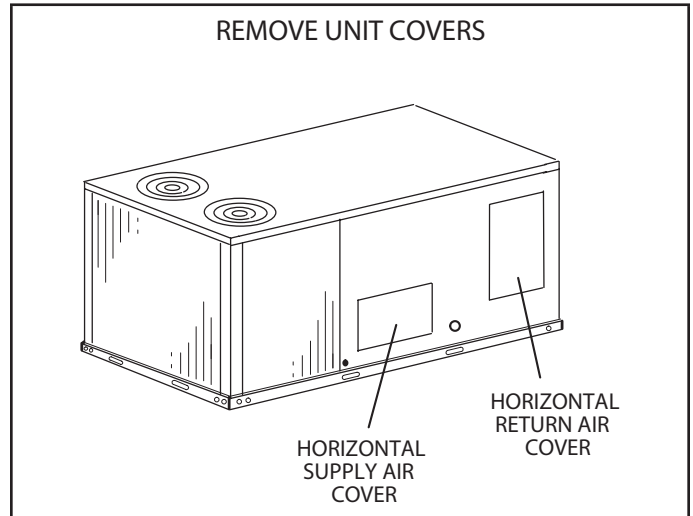
Installation

A-All Non-Modulating Gas Units (Heating Code on Nameplate S, M, or H) Supply Air

- 1 - Disconnect power to unit at unit disconnect.
- 2 - Remove the horizontal covers from the rear of the unit. See FIGURE 1.
- 3 - Install the supply air covers over downflow supply air opening. Center flanges will overlap and rear flanges fit underneath unit base pan. Secure cover in place with 4 screws provided. See FIGURE 3 and FIGURE 4.

B-All Modulating Gas Units (Heating Code on Nameplate P, K, or R) Supply Air

- 1 - Disconnect power to unit at unit disconnect.
- 2 - Remove the horizontal covers from the rear of the unit. Refer to FIGURE 1.
- 3 - In the supply air section, the long copper tube must be removed from the unit before proceeding. Refer to FIGURE 2.



⚠ 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.

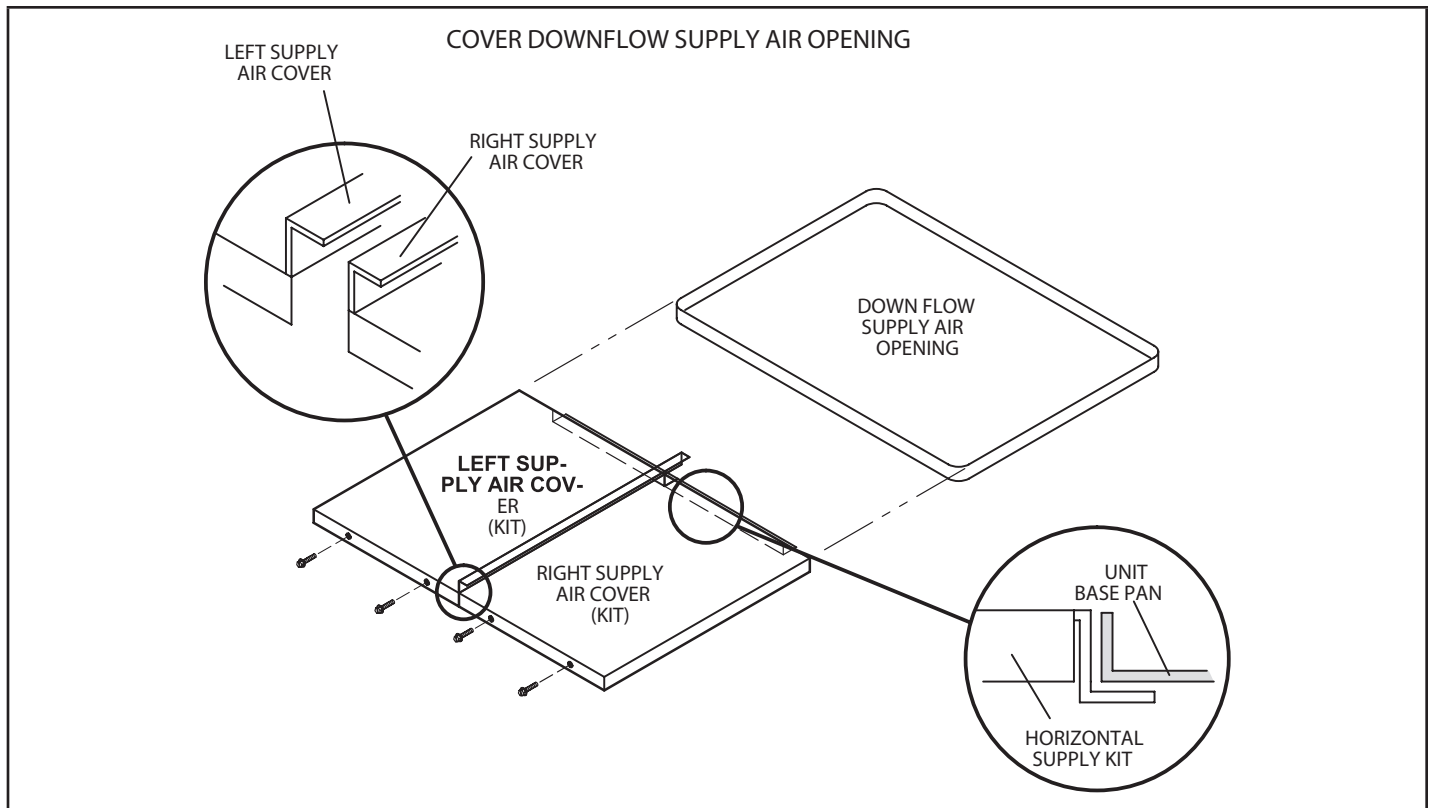


FIGURE 4

- 4 - Remove 2 screws from each bracket securing the long copper tube on the left and right side.
- 5 - Remove the single screw on the upper right securing the log copper tube to the shorter copper tube.
- 6 - Remove the long copper tube from the unit. Discard tube.
- 7 - Cap the remaining shorter copper tube's open end (shorter copper tube is 7/8" copper pipe).
- 8 - Install the supply air covers over downflow supply air opening. Center flanges will overlap and rear flanges fit underneath unit base pan. Secure cover in place with 4 screws provided. See FIGURE 3 and FIGURE 4.

NOTE - The tube's brackets should remain installed. If brackets are removed, at a minimum, screws originally securing brackets to unit should be reinstalled to eliminate holes.

C-All Units (Return Air)

- 1 - Remove the end panel and install the return air support bracket. See FIGURE 5 and FIGURE 6. Insert one end of panel onto return air opening crown and rotate to fit the other end in opening.
- 2 - Position the return air panel over the return air opening with the offset edge toward the unit. Fit the offset edge under the return air opening crown. See FIGURE 7.
- 3 - Secure return air panel to the support bracket using screws provided. See FIGURE 8.

- 4 - Secure the return air cover to the return air opening crown with screws provided. Two screws are positioned on top of the cover and three screws are positioned on the front edge.
- 5 - When no optional outdoor air accessory (economizer, outdoor air damper, etc.) is installed, replace the unit end panel. Discard the return air duct panel provided in kit.
- 6 - When an outdoor air accessory is installed, secure the return air duct on the end of the unit and replace the rear horizontal return air cover. See FIGURE 1.

NOTE - Outdoor air hoods, packaged with outdoor air accessory, are installed above the return air duct panel.

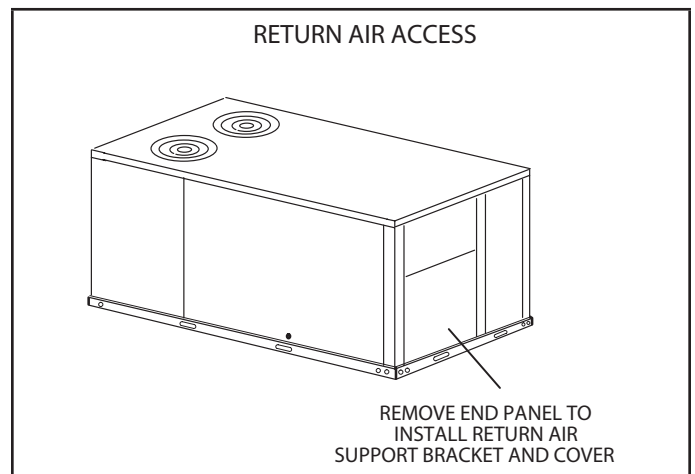


FIGURE 5

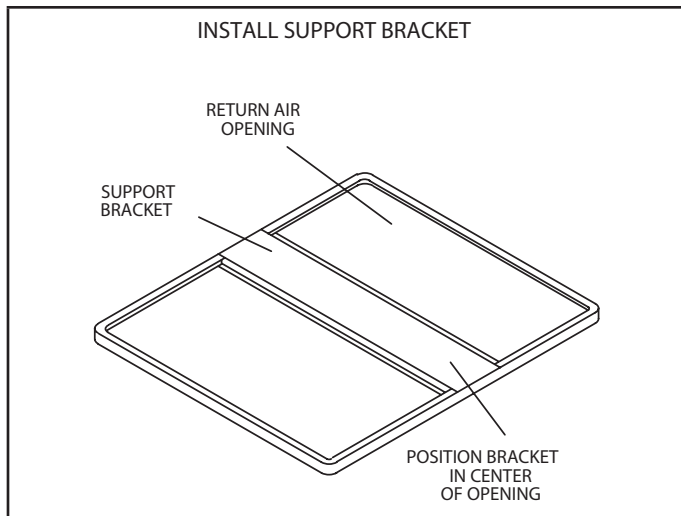


FIGURE 6

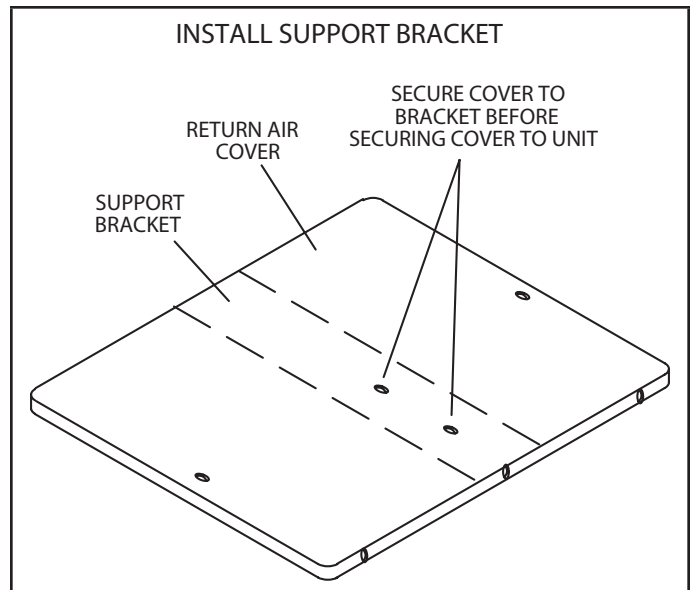


FIGURE 8

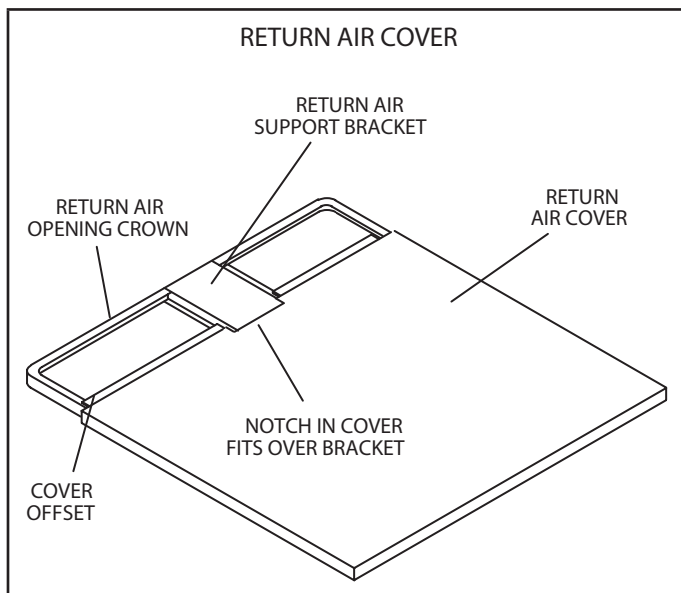


FIGURE 7