

# GAS UNITS KITS & ACCESSORIES

506458-01

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Supersedes 07/2010

## HORIZONTAL SUSPENSION KIT

### INSTALLATION INSTRUCTIONS FOR HORIZONTAL SUSPENSION KIT (51W10) USED WITH GAS FURNACES IN HORIZONTAL APPLICATIONS

#### Shipping and Packing List

##### Package 1 of 1 contains:

- 6 – Suspension Brackets
- 1 – Support Rail
- 12– Steel washers
- 6 – 1/4 hex nut
- 6 – 1/4 x 1-1/2” bolts
- 12 – Rubber washers
- 6 – #8 x 1/2” screws

#### Application

The horizontal suspension kit provides support for units installed in horizontal applications with evaporator coil.

#### **⚠ 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.

#### **⚠ CAUTION**

Brackets must be secured to unit and blower access panel must be in place before lifting to prevent damage or injury.

#### **⚠ IMPORTANT**

Improper installation may lead to to unit sagging.

#### Installation

- 1 - Remove front access panel and blower access panel.
- 2 - Carefully lay furnace on its side. For the ease of installation remove bottom cap.
- 3 - Use the bracket as a template to drill the four 1/4” holes.

At return end, drill a hole by placing one bracket edge at 3/16” from the front, and aligning other edge to bottom of the unit. See figure 1.

Drill second hole by aligning corner of the bracket to the bottom back corner of the unit

- 4 - Position support rail inside return air end of the unit as shown in figure 1. Align support rail holes with the two holes drilled in step 3. Secure brackets to cabinet using provided bolts, washers and nuts. See figure 1.
- 5 - At the supply end of cabinet, position bracket at the corner of the cabinet as shown in figure 2. Use the bracket as a guide to drill the third hole in the side of the cabinet. Secure bracket to cabinet using provided bolts, washers and nuts.
- 6 - Position bracket adjacent to screw on side of cabinet as shown in figure 2. Use bracket as a guide to drill the fourth hole. Secure bracket to cabinet using provided bolts, washers and nuts.
- 7 - Use the provided #8 screws to secure metal strapping to the overlapping side of the bracket. Install furnace level side to side but tilt slightly forward to help drain the evaporator coil.

**NOTE** – On high efficient gas furnaces an 8” service clearance is required for the condensate trap.

#### Evaporator Coil

- 8 - Repeat step 6 and 7 for the evaporator coil cabinet. See figures 4 and 5. Make note of dimensions for location of brackets on discharge air right figure 5.

**NOTE** – Service and access clearances must be considered before installing unit.



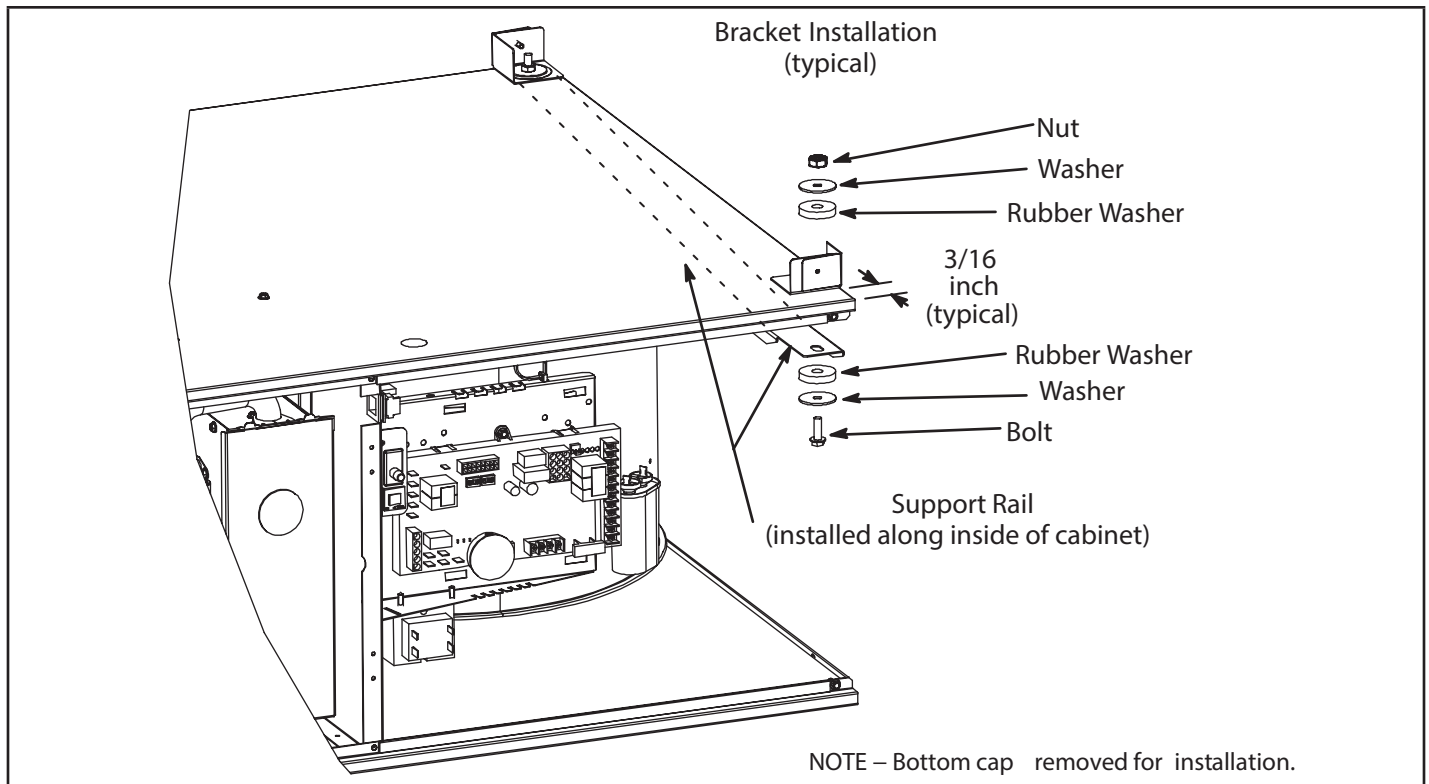


FIGURE 1

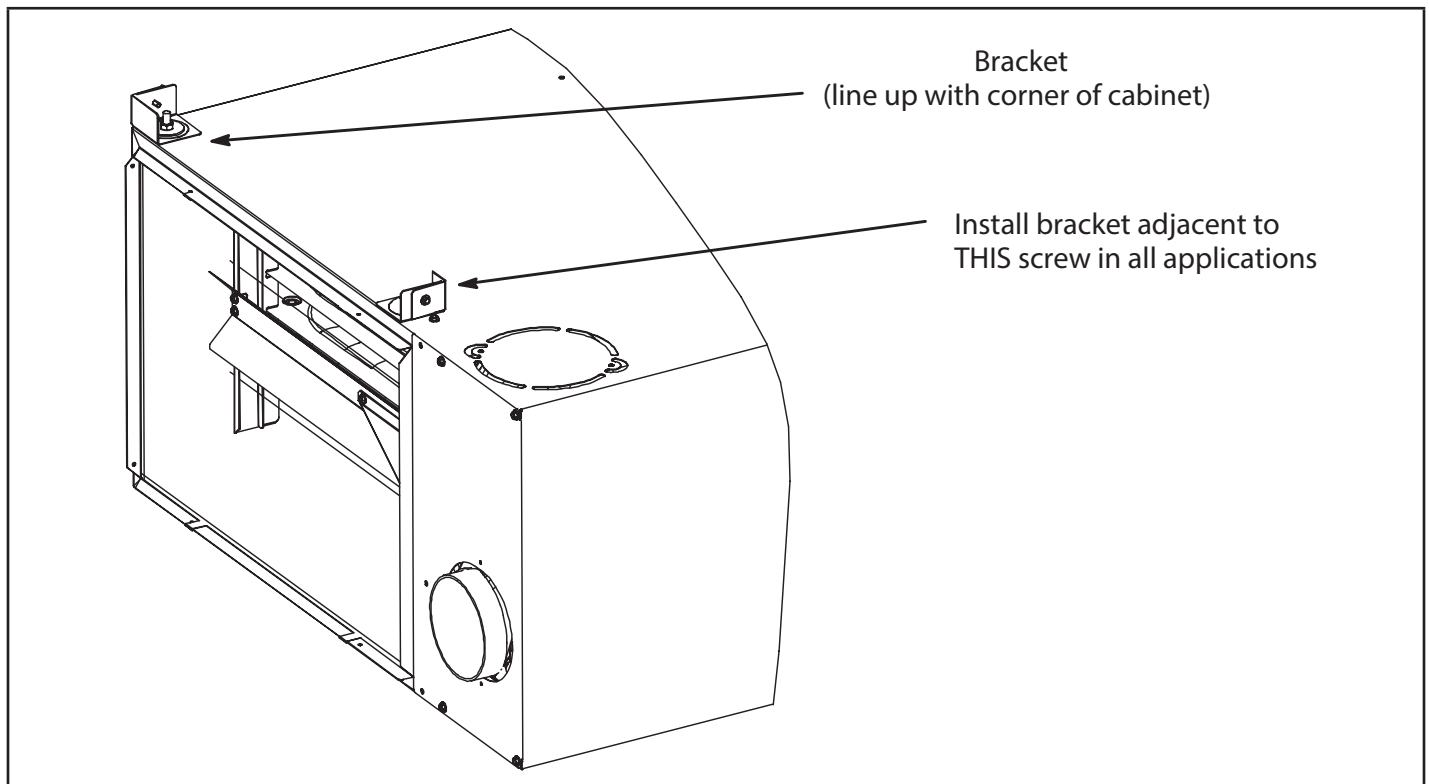


FIGURE 2

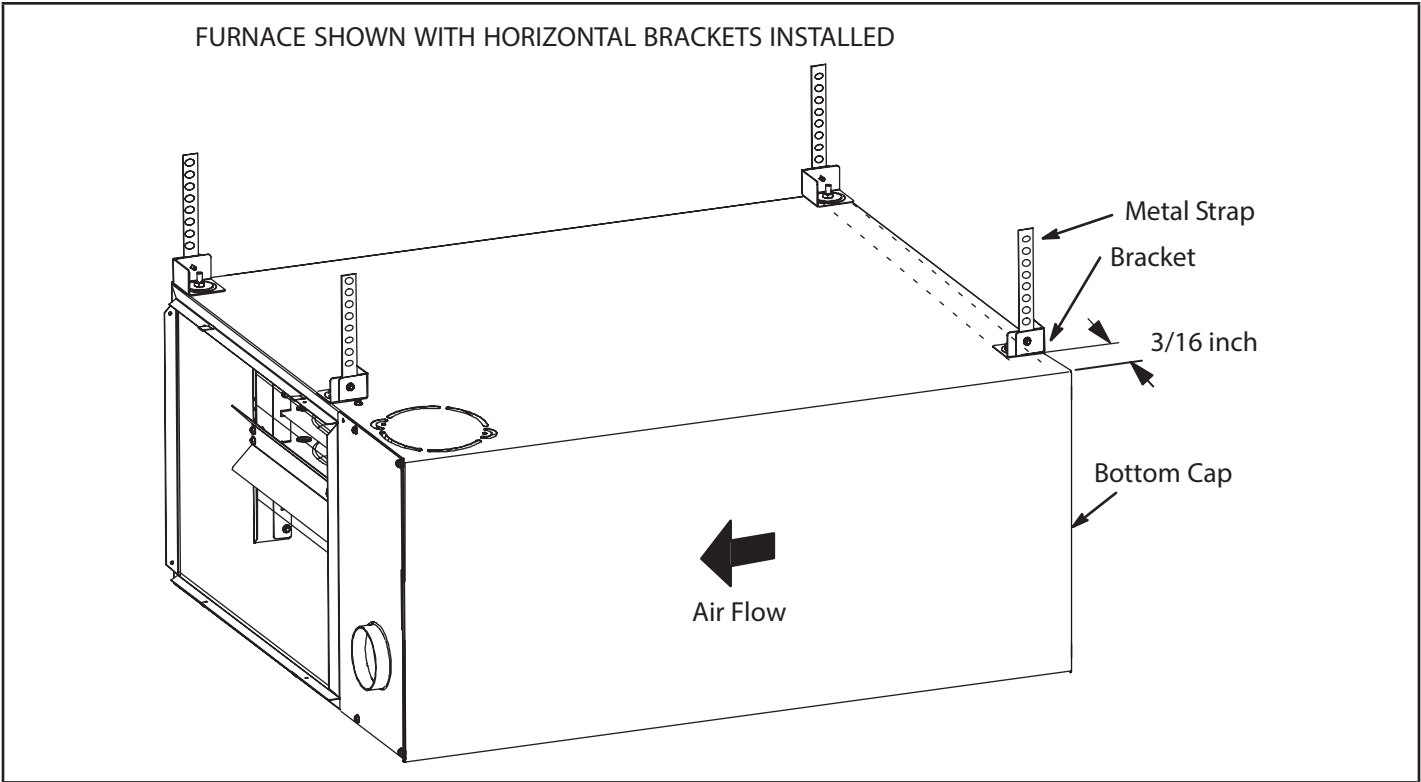


FIGURE 3

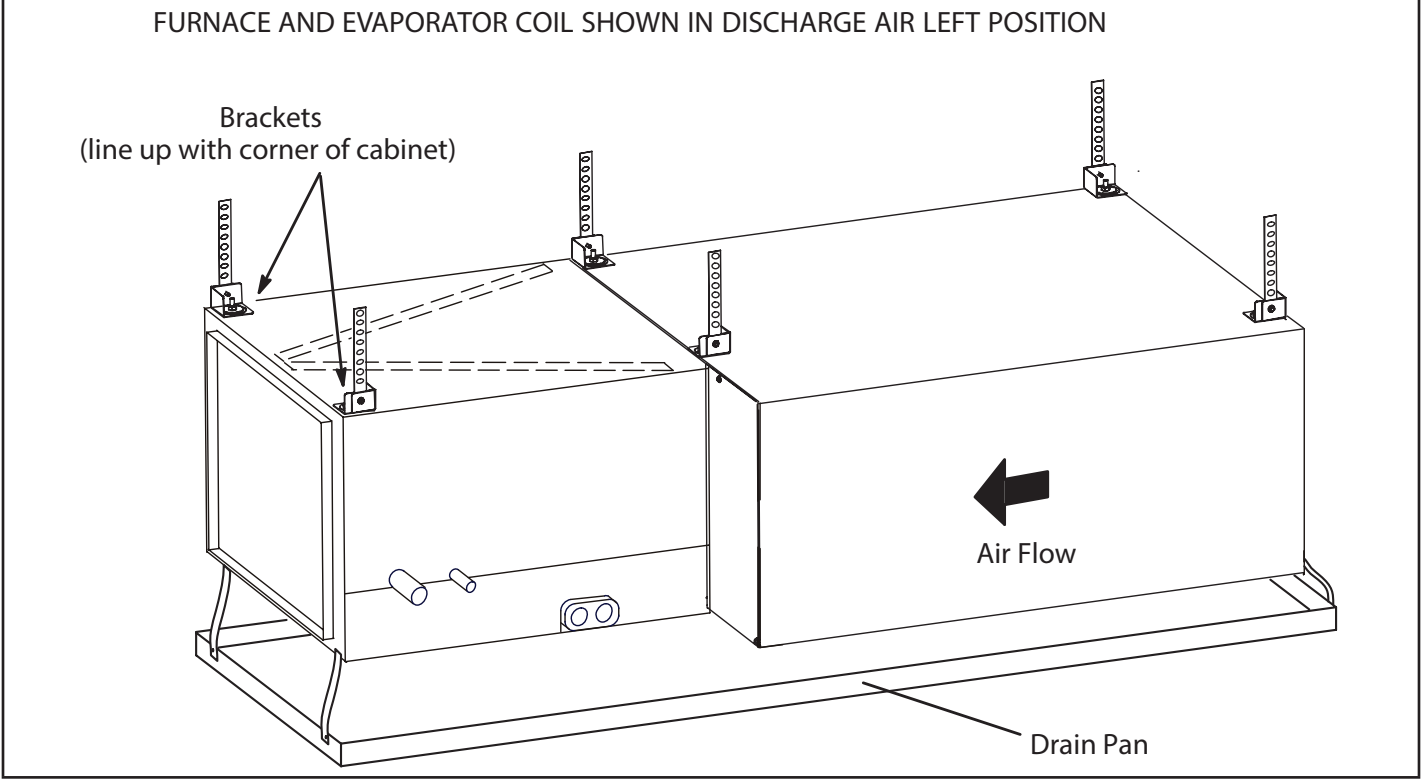
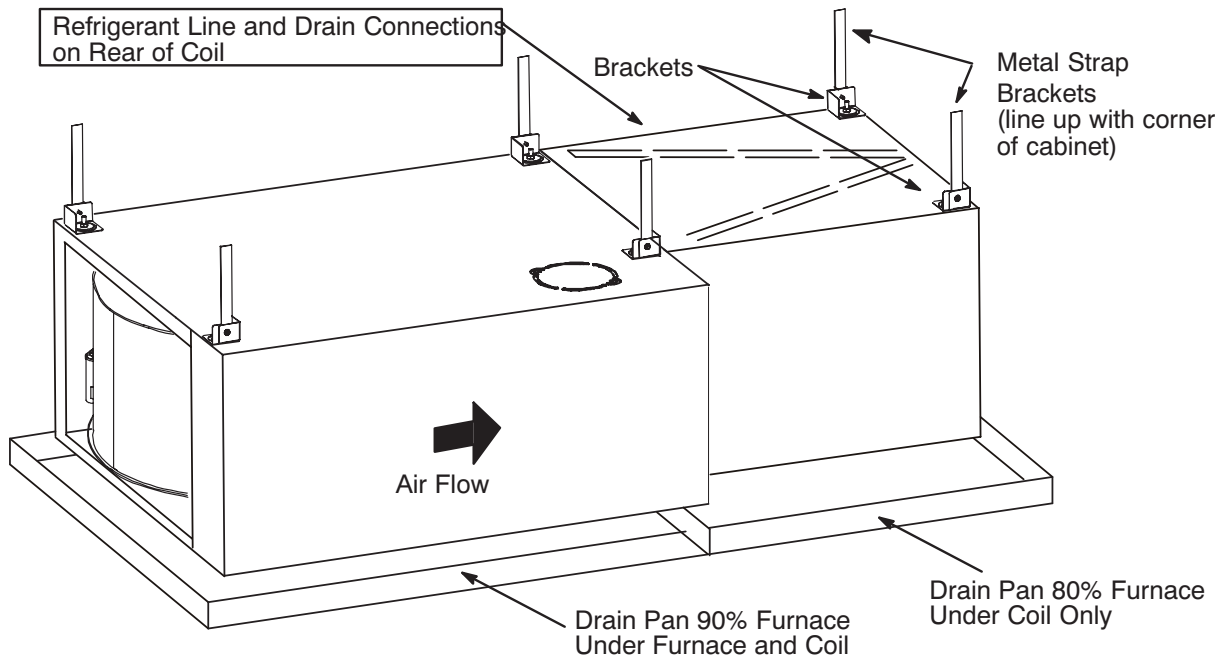


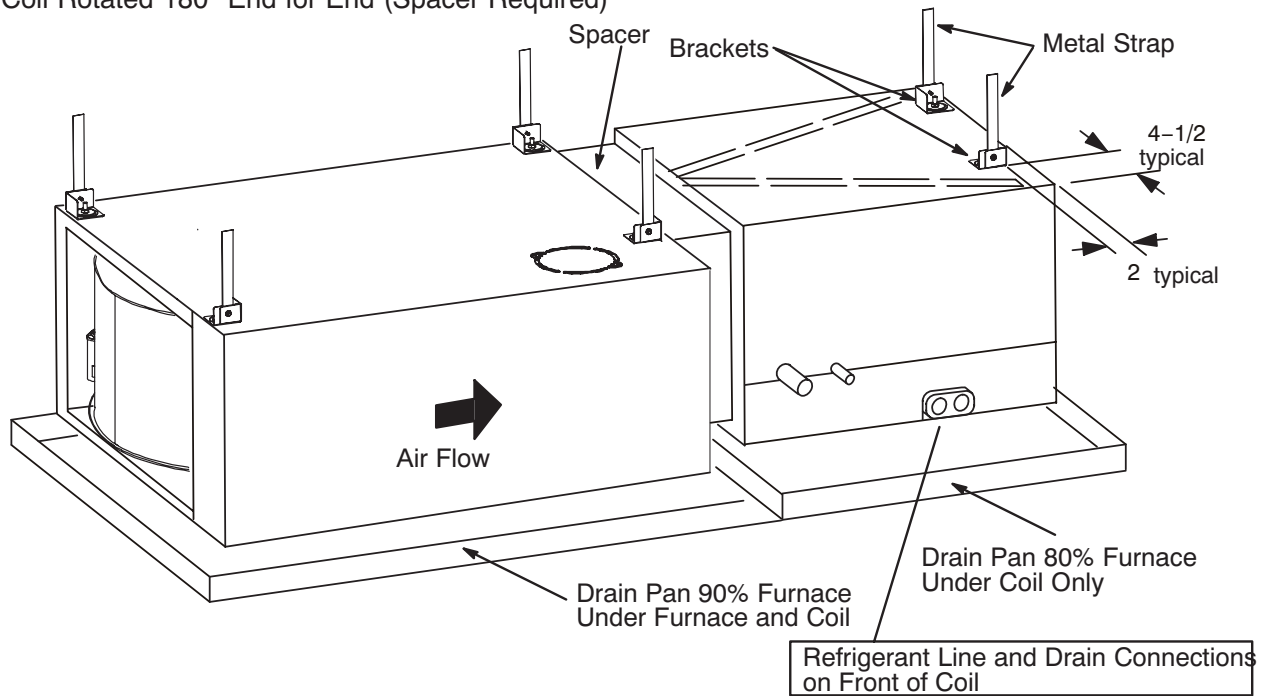
FIGURE 4

## FURNACE AND INDOOR COIL - RIGHT-HAND AIR POSITION

PREFERRED AIRFLOW - Refrigerant Lines and Drain Connections on Rear of Coil



OPTIONAL AIRFLOW - Refrigerant Lines and Drain Connections on Front of Coil  
Coil Rotated 180° End for End (Spacer Required)



**FIGURE 5**