INSTALLATION INSTRUCTIONS FOR RETURN AIR BASE KITS (65W75, 50W98, 50W99 AND 51W00) USED WITH GAS FURNACES INSTALLED IN THE UPFLOW POSITION

Shipping & Packing List

Package 1 of 1 contains the following:

1 - Return air base
1 - front plate
1 - back plate
1 - base plate
1 - right hand side rail
1 - left hand side rail
1 - patch plate
12 - Screws

Application

Use return air base kits 65W75, 50W98, 50W99 and 51W00 with A, B, C and D cabinet size gas furnaces installed in the upflow position. See table 1 for kit number to cabinet size and figure 6 for the unit and return air base dimensions.

Assembly

The return air base comes un-assembled in the shipping carton. See figure 1 for assembly.

**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 installer (or equivalent), service agency or the gas supplier.

**CAUTION**

As with any mechanical equipment, personal injury can result from contact with sharp sheet metal edges. Be careful when you handle this equipment.

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**Figure 1**

[Diagram of return air base kit with parts labeled: front plate, back plate, base, right hand side rail, left hand side rail, open return air, patch plate (when required)]
TABLE 1

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Cabinet Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>65W75</td>
<td>A</td>
</tr>
<tr>
<td>50W98</td>
<td>B</td>
</tr>
<tr>
<td>50W99</td>
<td>C</td>
</tr>
<tr>
<td>51W00</td>
<td>D</td>
</tr>
</tbody>
</table>

NOTE - Install the opening of the return air base on the same side of the furnace as the side return air opening. See figure 2.

![Return Air Base with Side Return Opening](image)

**Installation**

Attach the assembled return air base to the bottom of the furnace before installing the furnace.

1. Remove front access panel.
2. Place the furnace on its back.
3. Remove blower access panel.
4. Remove the two screws that secure the bottom cap to the furnace. Pull the bottom cap down to release the bottom panel. Remove and discard the bottom panel and bottom cap. **Keep the existing furnace screws.**
5. Slide the lock seam of the return air base onto the furnace flange. They must fit together properly to create an airtight seal. See figure 3.
6. Align the holes on the furnace’s cabinet with the holes on the return air base. The return air base must go under the furnace’s flange. Use the screws from the furnace to secure the furnace cabinet and the return air base together. See figures 4 and 5.

![Attaching Base to Furnace](image)

7. Stand the furnace upright.
8. Install the furnace according to the furnace’s installation instructions.

**NOTE** - Both unit and base return air openings must be connected to and entirely covered by a single plenum or IAQ accessory opening. Consider sizing requirements for optional IAQ equipment before cutting side return opening.
Furnace Flange and Return Air Base

Furnace

Return Air Base

Figure 5

Figure 6

OPTIONAL RETURN AIR BASE

INDOOR AIR QUALITY CABINET (PCO, Filter Cabinet, etc.)

FRONT VIEW

14-1/2" (368) A Width (65W75)
17-1/2" (446) B Width (50W98)
21" (533) C Width (50W98)
24-1/2" (622) D Width (51W00)

FURNACE FRONT

AIR FLOW

IF BASE IS USED WITHOUT IAQ CABINET, A SINGLE RETURN AIR PLENUM MUST COVER BOTH UNIT AND RETURN AIR BASE OPENINGS

OPTIONAL RETURN AIR BASE

3-1/4 (83)

7-1/4 (184)

SIDE RETURN AIR OPENINGS (Either Side)

5-5/8 (143)

26-7/8 (683)

23 (584)

3/4 (19)

1 Minimum 11 (279)

2 Maximum 14 (356)

1 22-7/16 (570) Overall (Maximum)

1 23 (584) Overall (Maximum)

SIDE VIEW

INDOOR AIR QUALITY CABINET (PCO, Filter Cabinet, etc.)