INSTALLATION INSTRUCTIONS FOR REPLACEMENT COMBUSTION AIR INDUCER KITS FOR USE ON 80% EFFICIENCY SINGLE-STAGE AND TWO-STAGE GAS FURNACES

Shipping and Packing List

Package 1 of 1 contains:

1 - Two-stage combustion air inducer (CAI) assembly
1 - Single-stage combustion air inducer (CAI) assembly
1 - Replacement gasket
4 - #8-18-1/2” screws
1 - 9” length of tubing

Application

See table 1 for furnace type and combustion air inducer replacement kit.

<table>
<thead>
<tr>
<th>Furnace Type</th>
<th>Kit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-Stage Upflow/Horizontal (UH)</td>
<td>73W09</td>
</tr>
<tr>
<td>Two-Stage Downflow (DF)</td>
<td>70W38</td>
</tr>
<tr>
<td>Single-Stage Upflow/Horizontal (UH)</td>
<td>74W55</td>
</tr>
<tr>
<td>Single-Stage Downflow (DF)</td>
<td>74W56</td>
</tr>
</tbody>
</table>

Installation

**WARNING**

Disconnect power before servicing unit. Shut off main gas supplies to appliance until installation is complete.

**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.

1 - Turn off the electrical power and gas supply to the furnace.
2 - Remove the flue pipe and top cap.
3 - Disconnect the wires from the existing combustion air inducer motor from the integrated control.
4 - Disconnect the pressure switch tubing from the pressure tap or barb fitting located on the inducer housing.

**DF Units Only** -- Remove the screw that secures the internal flue pipe to the inducer. See figure 1. It is not necessary to separate flue chase from internal flue pipe.

5 - Remove the four securing screws (figure 2) that secure the combustion air inducer to the flue collector box. Remove the inducer from the furnace.

**UH Units Only** -- Remove the flue transition from the existing inducer and install it on the replacement inducer.

6 - Replace the gasket between the replacement inducer and orifice plate with the provided gasket.
7 - Use the four provided screws to secure the replacement inducer to the flue collector box.
8 - Reconnect the provided tubing to the pressure tap or barbed fitting on the inducer housing and the pressure switch. If necessary, cut to length using the existing tubing as a measurement.
9 - Reconnect the wires from the replacement inducer to the integrated control.
11 - Reinstall the cabinet top cap and access panel.

12 - **DF Units Only** -- Scrape away existing Silicone sealant from the internal flue pipe. Apply RTV/high temperature silicone sealant between the internal flue pipe and the combustion air inducer. See figure 3.

13 - **UH Units Only** -- Reconnect the vent connector or vent pipe to the flue transition.

**DF Units Only** -- Secure the internal flue pipe to the combustion air inducer using the existing screw. See figures 1 and 3.

14 - Restore the electrical power and gas supply to the furnace. Initiate a call for heat and check that the furnace is operating properly.

15 - See the unit installation instructions for the start-up procedure.

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**Combustion Air Inducer Assembly**

- Flue Chase
  - (Downflow Only)

- Internal Flue Pipe
  - (Downflow Only)

- Orifice Plate

- Inducer

- Screw

- Gasket

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**FIGURE 1**

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**Securing Screw Locations**

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**Downflow Unit Internal Flue Pipe and Chase**

- Internal Flue Pipe
- Flue Chase
- Screw
- RTV Silicone Sealant
- Combustion Air Inducer

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**FIGURE 3**

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**FIGURE 2**