

# Installation Instructions 9301, 9302, 9303, 9304 Vent Extension Kits

FOR USE WITH GRAVITY DIRECT-VENT WALL FURNACES

These instructions cover the installation of the following kits only:

9301 Vent Extension Kit (9-15 Inch)

9302 Vent Extension Kit (15-24 Inch)

9303 Vent Extension Kit (15-24 Inch)

9304 Vent Extension Kit (9-15 Inch)

**CAUTION:** Refer to your **OWNERS MANUAL** and furnace **RATING PLATE** to be sure that the Vent Extension Kit listed above is of the type and design required for use with your furnace.

## To Install a Vent Extension Kit

1. Refer to your OWNERS MANUAL and perform the installation steps "Find the Studs", "Cut Vent Opening", and "Install Spacer Plate".
2. Measure thru the 9 inch diameter hole to determine dimension "X". (Note dimension "X" is the thickness of the wall)
3. Calculate the proper tube lengths from the appropriate model group as follows:

|               |                     |                                  |
|---------------|---------------------|----------------------------------|
| MODELS - 9301 | Flue Tube Extension | A – Add 2" to dimension "X"      |
|               | Air Inlet Tube      | B – Add 3/4" to dimension "X"    |
|               | Air Inlet Shield    | C – Add 9/16" to dimension "X"   |
| MODEL - 9304  | Flue Tube Extension | A – Add 2" to dimension "X"      |
|               | Air Inlet Tube      | B – Add 1-1/16" to Dimension "X" |
|               | Air Inlet Shield    | C – Add 7/8" to Dimension "X"    |

4. Measure and cut tubes to the calculated lengths. NOTE: Do not cut the wrongs ends of the tubes.  
(See Figure 1) cut lines and flanges.
5. Remove Air Inlet Tube and Flue Extension Tube from the furnace and replace them with the trimmed tubes from your kit using the same screws.
6. Refer to OWNERS MANUAL and perform the next step, "Furnace Mounting"
7. Refer to figure 5, page 8 in your OWNERS MANUAL and to figure 1 on this sheet. From the outside, push the Air Inlet Shield "J" over the Air Inlet Tube "C". Rotate Air inlet Shield until the notches on the end of the Shield are straddling the standoff tabs on the Mounting Spacer Plate "A". Push the Air Inlet Tube until the notched end is resting against the screw heads holding the Air Inlet Tube to the furnace. Tube ends should now be flush with the outside wall. If not, recheck for proper tube positions. Adjust or trim the tubes as necessary.