

Challenger Vent Adaptor Installation Instructions



CHALLENGER Vent Adaptor Installation

Purpose: To provide information to properly install Concentric Vent Adaptor or a 3" 2-pipe Vent Adaptor.

Step 1: Removal of existing adaptor if required

Remove front cover of the Challenger and the existing Vent Adaptor.

1. Remove the front cover of the Challenger.
2. While holding the flue tube in place, rotate the existing Vent Adaptor counterclockwise less than $\frac{1}{4}$ turn until it can be removed.



3. Remove the o-ring from the adaptor. Save this o-ring to be installed onto the New Adaptor.



Step 2:

Install the New Adaptor.

1. Install the o-ring onto the New Adaptor. (two pipe adaptor shown)



2. Place the New Adaptor onto the top of the Challenger, positioning the flue tube inside the adaptor. The test port should face the front of the Challenger and the o-ring should fit into the top cover of the Challenger.



- 3) Rotate the New Adaptor (Clockwise) until it clicks into place (less than $\frac{1}{4}$ turn) and is square with the front of the Challenger.

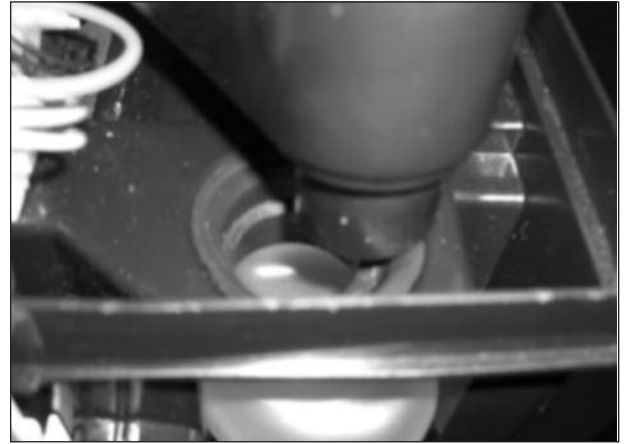


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Step 3:

Inspect Condensate Pan and Reinstall the Front Cover.

1. With the new Adaptor in place inspect the Flue and Condensate Pan to ensure proper fit.
2. Push up on the Condensate Pan underneath the heat exchanger while pushing down on the Condensate Pan where it engages with the Condensate Trap.



3. Inspect the connection with the Condensate Trap to ensure the Condensate Pan fits snugly in the gasketed connection to the Condensate Trap.

5. Reinstall the front cover of the Challenger.

⚠ WARNING

Improper installation may result in flue gas leakage which may result in severe personal injury or death.

4. This condition where the Condensate Pan does not engage into the Condensate Trap is not acceptable and will result in flue gas recirculation, harming the boiler. Adjust the Condensate Pan to properly engage into the Condensate Trap gasket.

⚠ WARNING

Failure to properly support the vent and air piping at the appliance may result in severe personal injury or death.