

Part#W-164/W-250: Bypass Frame Replacement

Rev. Date 7/23/2021

Parts Needed:

(2) 5/16"-18 x 1" bolts
(3") .500" Graphite gasket
(1) Bottle gasket glue
(1) W-164 Fireview bypass frame
or
(1) W-250 Keystone/Palladian bypass
frame
Anti-seize compound

Tools Needed:

1/2" Wrench or socket
Putty knife
WD-40 or similar penetrant
Scissors
5/32" Allen wrench (Keystone/Palladian)

Recommended Tools:

Safety glasses
Shop vacuum
Flashlight or work light



Please read all instructions before you begin the procedure. Confirm that you have all of the necessary tools and parts required. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday- Saturday 9:00am – 5:00pm Eastern Time.

1. Make sure the stove is cool.
2. Pre-treat all hardware to be removed with penetrating liquid. For best results penetrant can be applied from the top and bottom.



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3. Using a 1/2" socket remove the two bolts that hold the bypass frame to the top of the firebox. Make sure that the gasket is also removed from under the bypass cover.

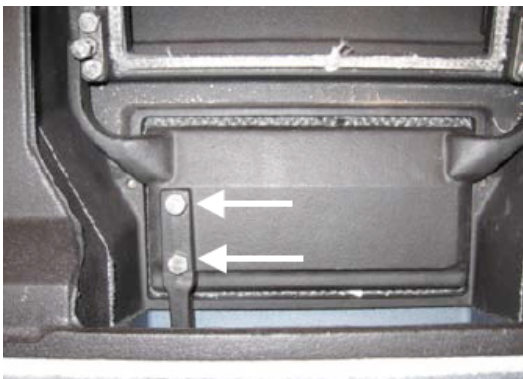


4. Install the new bypass frame using (2) 5/16" x 1" bolts. Apply a small amount of anti-seize to the bolt threads. The 'lip' of the frame should extend into the firebox for the back edge of the combustor scoop to sit on.

5. Replace the bypass frame gasket from the top side of the stove.
- a. Fireview stove: The top lid of the Fireview can be removed for easier access.
 - b. Keystone and Palladian stoves: Remove the cover plate or flue collar from the top or rear for access to the bypass cover.

The 1/2" bolts on the lift guide can be removed to enable the bypass cover to be tipped back out of the way.

6. Run a small bead of gasket glue in the channel created by new bypass frame. Starting at the center of the back, tuck gasket in. Avoid stretching it if possible. When back at the starting point, cut gasket slightly longer and tuck cut ends neatly together. Reconnect the lift guide to the bypass cover. Close bypass cover and let set for 15-20 minutes before using stove.



7. Check the tension of the bypass door. Slide a small piece of paper under the bypass door, close it, and pull the paper out. There should be enough resistance to curl the paper. To increase pressure on the bypass door, loosen the top nut on the U-bolt, and then turn the bottom nut counter clockwise. To decrease pressure on the bypass turn the bottom nut clockwise. Do the same to the top nut. Make small adjustments until the proper seal is achieved.

Fireview



Keystone/Palladian



8. Replace top lid (Fireview) or cover plate/flue collar (Keystone/Palladian)

For additional assistance call Woodstock Soapstone at 1-800-866-4344, 9am-5pm Eastern Time, Monday – Saturday.