

## Bypass Frame Replacement

Please read all the instructions before you begin the procedure. Confirm that you have all of the necessary tools and parts required. Allow about one hour to complete the replacement. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday –Saturday 9:00 – 5:00, EST.

---

### Tools Needed:

- 1/2” wrench and socket
- Putty knife
- WD-40, PB Blaster, or similar penetrant
- scissors
- 5/32” allen wrench (Keystone or Palladian)

### Hardware List:

- (2) 5/16”-18 x 1” bolts
- approx. 3’ of ½”gasket
- gasket glue
- Anti seize compound
- W- 164 Fireview bypass frame or W-250 Keystone/Palladian frame

### Recommended Tools

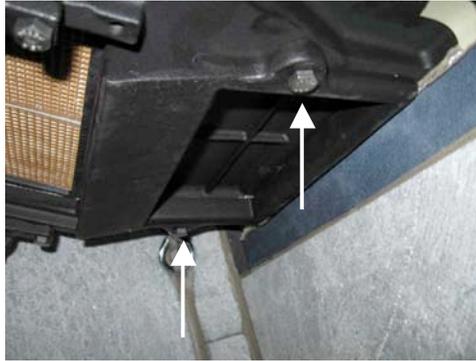
---

- Safety glasses
- Shop vac
- Flashlight or work light

1. Make sure the stove is cool.
2. Pre-treat all hardware to be removed with penetrating liquid. Reach into the firebox and remove the combustor scoop and metal diffuser by removing the single bolt that attaches it to the scoop support. Carefully slide the scoop toward the loading door and forward to completely release it. **Be very careful with the metal diffuser it is extremely sharp around the edges.**



- 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.



- Install the new bypass frame using (2) 5/16"x 1" bolts. Apply anti seize compound to the bolt threads.



- Replace the bypass frame gasket from the top side of the stove. The top lid of the Fireview can be removed for easy access. Keystone and Palladian owners will need to remove the cover plate with the 5/32" allen wrench to access the top area of the stove.



6. It will be helpful to disconnect the lift guide from the bypass cover for better access to the gasket channel. Use a ½” wrench to loosen the bolts. Prop the bypass door open. Dry fit the gasket in the channel and trim to fit if necessary. Place gasket glue into the channel. The break in the gasket should go in the center of the long length closest to the front of the stove. Re-connect the lift guide to the bypass cover.



7. Check the tension on 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 and do the same to the top nut. Make small adjustments until the proper seal is reached.

Fireview



Keystone/Palladian



8. Replace the top lid or cover plate to the stove.



9. Replace the combustor scoop and diffuser. Place the far end of the scoop onto the support at the top of the firebox. Angle the back edge of the scoop into the lip of the bypass frame. Using (1) 5/16"x3/4" bolt fasten the scoop to the support closest to the loading door.



10. Enjoy Your Stove!!

***Please call Woodstock Soapstone at any point during the process for any additional assistance at 1-800-866-4344***

**4/29/10**

**We need your help!** Woodstock Soapstone Co. takes pride in providing the highest quality products as well as the best customer service in our industry. We welcome your suggestions and input to help us achieve these goals. If you have any comments to improve our products, service, and information provided in these instructions please contact us at (800) 866-4344 or [info@woodstove.com](mailto:info@woodstove.com). Thank you.