

## Resealing Fireback to Rear Wall (behind Air Damper)

**Please read all the instructions before you begin the procedure.** Confirm that you have all the necessary tools and materials. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday-Saturday 9:00 – 5:00 ET

### **Tools Needed:**

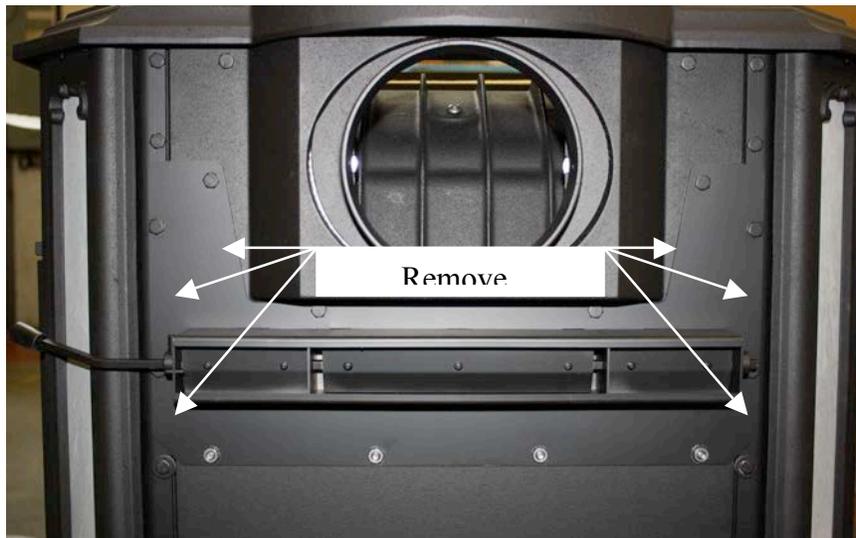
- 7/16" socket and ratchet
- 7/16" open end wrench
- Putty knife
- Caulking gun
- Scissors
- Flathead Screwdriver
- Hammer

### **Materials Needed:**

- .187 Gasket
- Furnace cement
- Water

**Note:** It will be helpful to soften the furnace cement before beginning this procedure. Fill the sink or large bowl with hot water. Soak the unopened tube in the hot water for 15-20 minutes prior to use.

1. Remove the rear heat shield from the stove. Remove the spacers and threaded studs as well.
2. Use a 7/16" socket to remove the bolts and nuts that secure the damper assembly to the back of the stove. An open end wrench should



- be used to remove the bolts at either end of the damper assembly.
3. Use a putty knife to scrape away the original cement on the back of the stove and on the back of the air damper assembly. Be sure that all the residue is removed completely.
  4. Remove the old cement and gasket in the rectangular opening where the secondary fireback meets the rear wall. You may need to use a small screwdriver and hammer to chisel away the old brittle cement.
  5. Apply a bead of cement all the way around the gap between the fireback and the rear wall, making sure you fill the bottom edges (right & left) with a generous amount of cement.



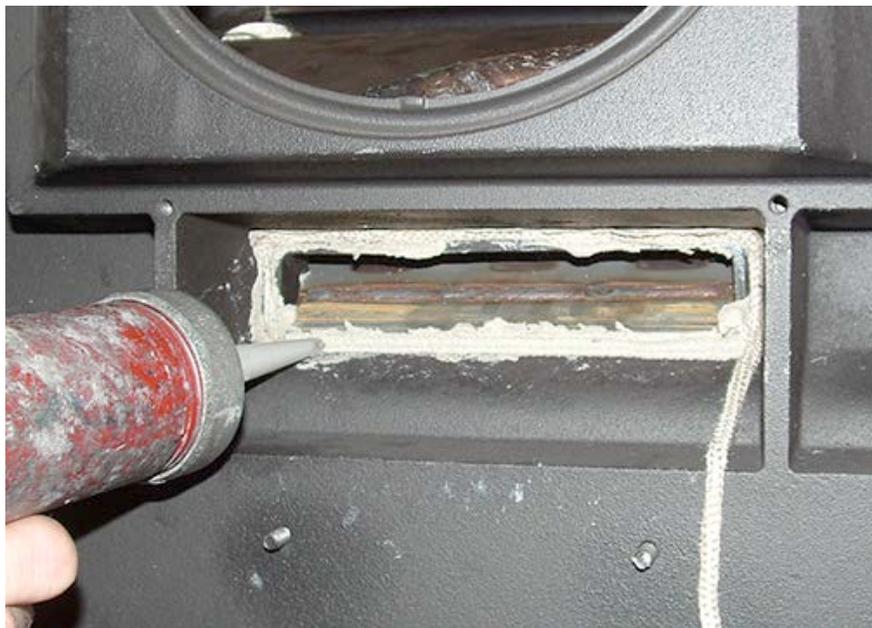
6. Starting in the bottom right-hand corner, push in the .187 gasket using a putty knife, you'll want the gasket to insert just under the fireback along the bottom edge. **Note:** You may have to use your putty knife and a hammer to gently tap the .187 gasket under the stainless steel lip of the fireback.



7. Continue the gasket all the way around the fireback opening, meeting up with the bottom right-hand corner.



8. Take your cement and apply one more bead across the bottom edge, then tuck one more length of gasket into the bottom cement, tucking the gasket in with a putty knife. Cut any remaining gasket with scissors.





9. Starting on the inside right chamber of the fireback apply a generous amount of cement, do the same on the left side, then apply additional cement around the outer perimeter.





10. With wetted fingers smooth the cement, to help ensure a smooth airflow into the secondary fireback.



11. Through the loading door, apply cement along the bottom of the secondary fireback.



12. With wetted fingers smooth the cement pressing it into the area between the secondary fireback and cast iron frame.



13. Apply a bead of the furnace cement to the back of the stove as shown in the photo below. The cement will make a seal between the back of the stove and the damper assembly.



14. Use the four lower bolts as a guide to align the damper assembly with the back of the stove. Press the assembly into the cement evenly and gently pull up on the assembly to align all the holes. Start the two outside nuts at the bottom corners. Start the two bolts at the upper corners. Start the remainder of the nuts and bolts.
15. Tighten each bolt and nut evenly; alternate side-to-side and top to bottom. **Do not over tighten.** A strong, firm snug on the bolts is sufficient
16. Remove excess cement with a putty knife.
17. Install the rear heat shield.
18. Allow 48-72 hours for the cement to properly cure. Once you've waited the allotted time, have 1-2 small kindling fires to gently remove any remaining moisture in the cement.

Please call 1-800-866-4344 with any questions.