

## Encore 2550 Service Procedure - Instructions

### Remove and/or Replace Upper Firebrick Assembly

# VERMONT CASTINGS

1. Open the damper and remove the handle stub (faucet). Use an Allen key wrench to loosen the Allen bolt in the base of the damper handle stub. Pull the handle off the damper rod.
2. Remove the andirons. Loosen the hex head bolts if they do not slide out.
3. Remove the throat hood; swing its bottom edge forward and then slide the hood to one side until the trailing end drops from its supports. Take it out of the stove. Figure 1.

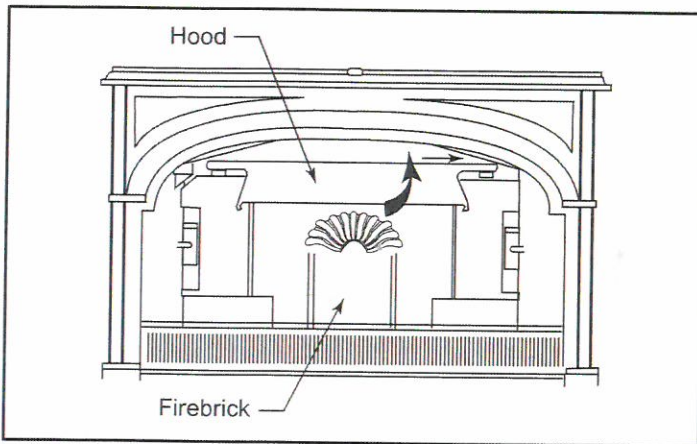


Figure 1 - Remove the throat hood

4. Use a hammer to tap the two wedges upward and out of the stove. Figure 2.

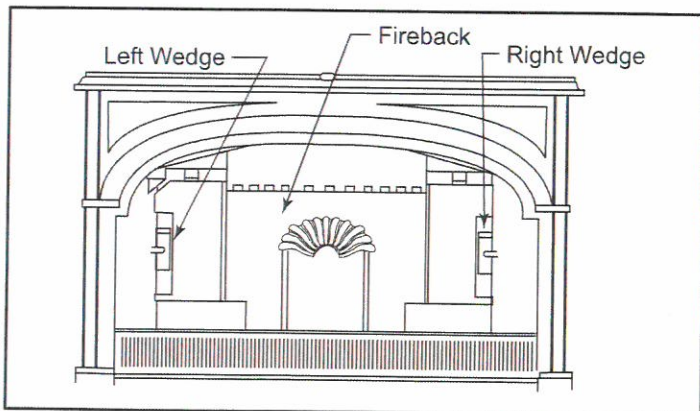


Figure 2 - Tap the wedges out with a hammer

5. Remove the lower fireback by pulling the upper edge toward the front of the stove. Then lift it and angle it out of the stove through the front door. Scoop out any ashes in the bottom groove where the lower edge of the lower fireback sits. Inspect the gasket on the back of the fireback and replace if damaged. Figure 3.

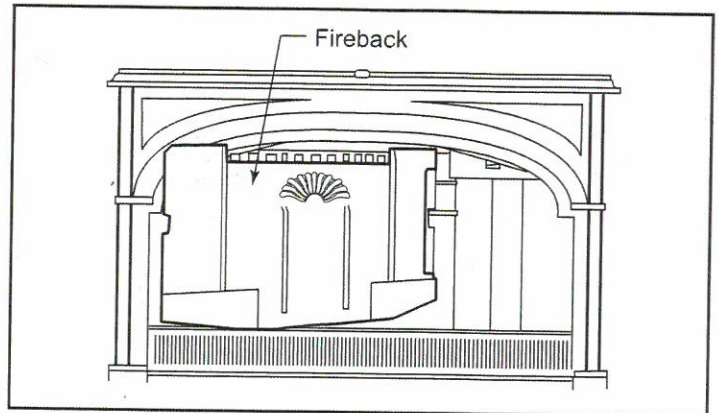


Figure 3 - Lift out the Lower Fireback

6. Remove the left and right air plates (inner walls). 7/16" hex head bolts at the top and bottom hold them in place. These air plates have rope gaskets sealing them to the ends of the stove. With the bolts removed, pry the forward edges of the plates toward the center of the firebox and remove them through the front or griddle opening.
7. If the stove has a rear heat shield, remove the four bolts holding it in place and put it to one side. Four hex head bolts hold it in place.
8. Remove the upper fireback. A hex head bolt on each side of the stove outside upper back holds the upper fireback assembly in place. Remove the bolts and washers. If in place for a long time, the bolts may snap off. So drilling and re-tapping may be required along with new bolts 1/4"-20 x 1 1/2" SS, washers and nuts. From inside the firebox, pull the right hand end of the upper fireback toward yourself; you may need to use a flat head screwdriver to pry the fireback loose from the rear panel behind it. Slide over and down clearing the damper rod out of the left side. Make sure to keep the washer that keeps the rod from sliding out and the sleeve that is around the rod in the left end.
9. Re-install the upper fireback assembly. If held in place with gasket, ensure it is in good condition before reinstalling. If held by cement, clean the grooves in the rear of the stove and the rear of the upper fireback before re-cementing. Fasten it in place with two 1/4"-20 x 1-1/2" hex bolts and washers. Make sure to install the washer that keeps the rod from sliding out and the sleeve that is around the rod in the left end. Figures 4 & 5.



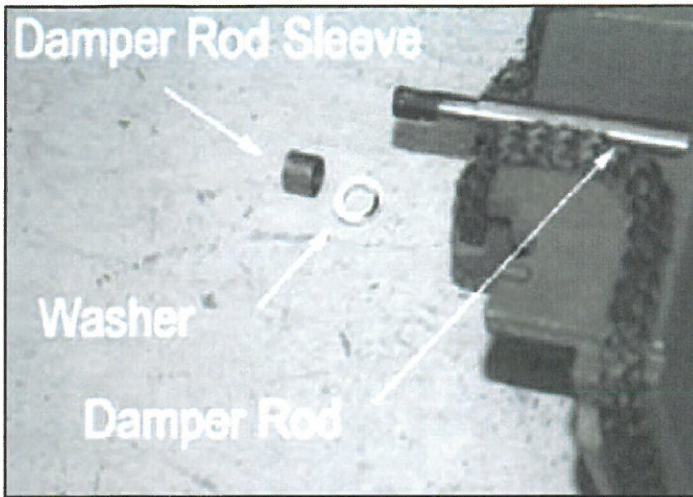


Figure 4



Figure 5

10. Attach the handle and its 'faucet' to the damper handle rod with the Allen bolt, and test the damper for smooth action.
11. Re-install the left and right wear plates, each with their two bolts.
12. Re-install the lower fireback, and secure it with two wedges. Gently tap with a rubber mallet to make sure the top of the fireback seats tightly to the bottom of the upper fireback. If not, clean the groove it sits in again and/or loosen the two bolts that hold the upper fireback in place and re-install the lower fireback. Tighten the upper fireback outer bolts when finished.
13. Replace the throat hood and re-install the andirons.