

SERVICE PROCEDURES 1995 DEFIANT ENCORE *Model 2550*

Replacing the Refractory Package

1. Open the damper and remove the handle stub ("faucet").
2. Remove the andirons; one 7/16" hex head bolt each.
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.
4. Remove the two wedges that hold the lower fireback in place.
5. Remove the lower fireback. Simply lift it out of the firebox.
6. Remove the left and right wear plates; two 7/16" hex head bolts each.
7. Remove the upper fireback. Two hex head bolts hold it in place. The heads are on the outside of the stove back. If cemented in, a dead blow may be needed through the flue collar opening to release the fireback. Swing the right end of the upper fireback assembly forward and let it drop into the combustion chamber.
8. Carefully pull the entire refractory package straight forward. Leave the steel heat exchangers in place in the left and right sides of the stove back.
9. From the back of the stove, remove the secondary air access cover and put to one side with the two Phillips screws. Unscrew the probe assembly and lift it off the linkage. Put it to one side.
10. Install the new refractory package. Replace the catalyst. Install the access panel.
11. If cemented was used, clean the upper fireback and mating stove surfaces and re-install the upper fireback assembly; fasten it in place with two 1/4"-20 x 1-1/2" hex bolts and seal with furnaces cement.
12. Attach the handle and its 'faucet' to the damper handle rod with the Allen bolt, and test the damper for smooth action.
13. Re-install the left and right wear plates, each with their two bolts.
14. Re-install the lower fireback, and secure it with two wedges.
15. Replace the throat hood and re-install the andirons.
16. To reinstall the probe, pilot (with your hand) a small hole into the combustion package through the hole in the back of the stove with a bit of smaller diameter than the probe. Replace the assembly by inserting it into the hole, hooking it onto the linkage and screwing it back onto the firebox.