

Technical Bulletin

Cleaning Heat Exchangers behind the Brick Board

Product Models covered: Countryside Series and 7500 furnace Biomass/Corn/Wood Pellet Appliances.

Topic: This technical bulletin will be addressing how to clean the heat exchangers primarily behind the brick board and other proper maintenance of the appliance, and how repairs are handled so that normal operation can be resumed.

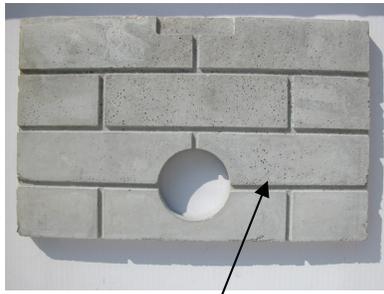
Proper maintenance and cleaning is imperative if your appliance is to operate correctly. One area of cleaning forgotten most often is cleaning behind the brick board, where there are two clean out plugs.

To gain access to the back clean out ports you will need to remove the firepot and brick board. On some appliances, find the set screw on the collar that is located on the fuel stirrer driveshaft. Loosen the set screw and slide the collar towards the firepot, make sure the fingers on the fuel stirrer are straight up and down (this will allow you to lift the firepot with the fuel stirrer out of the cradle). On newer models just slide the fuel stirrer collar to the left. Take the firepot out and set it off to the side.

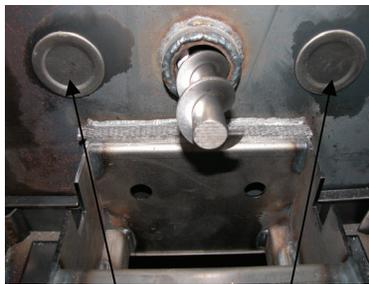
When removing the brick board hold the bottom of the board, and gently pull toward you. The top of the board is secured by a clip, so once the board has cleared the clip remove it from the stove. Or on some appliances, the brick board is in two pieces, do the same as instructed above for both sides of the brick board.

Two cleanout ports, an inch and a half in diameter will be exposed. It is important to make sure this area remains free of ash. If the ash builds up in this area it will slowly interfere with the air flow, eventually smothering the fire. It is best to clean this area with the small narrow attachment that came with your ash vac. If you do not have an ash vac an old wire coat hanger, or a small flexible brush can be used. Pull out the clean out slides (located on the front of the unit), and put the wire down one of the cleanout plugs. This will help break up and force the ash down into the ash pan. For stoves that have been neglected for a long period of time, it might be necessary to push the wire up in the clean out hole to help clean out the ash as well.

Depending on the quality of the fuel being used, will determine how often this cleaning will have to be done. It is recommended that this area be checked during the monthly shut down and cleaning of the stove.



Brick Board



Cleanout Plugs



Plugged Area