

Technical Data Sheet

Sterling Stone Replacement Instructions

This Procedure Is Used On The Sterling B-Vent Model 8521 With Serial Numbers Higher Than 15833, And On The Sterling Direct Vent Model 8531 With Serial Numbers Higher Than 4327.

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STERLING STONES:

- 3 – Top Stones 8” x 9-1/2” (all four edges have bevels)
- 4 – Side Stones 8” x 9-1/2” (one edge bevels)
- 4 – Front Corner Stones 3-1/2” x 9-1/2”
- 2 – Front Bottom Stones 2-1/2” x 8-1/2”

TOOLS REQUIRED:

- #2 Phillips Screwdriver
- #3 Phillips Screwdriver
- 11/32” Wrench

BEFORE YOU BEGIN: Work on a cold stove. Shut off the gas supply to the stove. If equipped with a blower, unplug it.

PROCEDURE:

Removing the Front Stones:

1. Lift and remove the three top stones.
2. Locate the rear grill and remove it by removing the two Phillips screws with the #2 phillips screwdriver.
3. Locate the top radiation shield that is suspended from the top casting. Bend the four clips and drop the shield onto the top of the firebox. Slide the shield back, moving it through the opening in the back of the stove.
4. Using the #2 phillips screwdriver, remove the retention screw in the front door. Lift the door up and off the frame. If the stove is enameled, be careful not to drop the door on the ash lip. Place the door on cardboard or in another safe area. Be sure to save the hinge pins for reassembly. Remove the front door frame by removing the four Phillips screws with the #3 phillips screwdriver.

5. Looking down through the top of the stove, locate the two nuts that hold the front grill in place. While holding the front grill, remove these nuts with the 11/32" wrench. Save the nuts for reassembly. The grill can now be pulled off the front of the stove. With the grill and door frame removed, the six front stones (and the warning label) can be taken out of the stove. Gently push on the firebox to allow these stones to be taken out.

Installing The Front Stones:

1. Place the four front corner stones (3-1/2" x 8-1/2" stones) into position, placing the bottom stones into the stove then placing the upper stones on top of them. **Important:** to insure the proper positioning of these stones, make sure the beveled edge on the long edge on each of the stones is facing out toward the firebox. Now you can place the bottom stones (2-1/2' x 8-1/2") into position between the installed corner stones. Make adjustments by pushing the corner stones either in toward the firebox, or out toward the corner posts. In this way you can center the stones and make sure there are no gaps between the stones. Make sure to replace the warning label before replacing the door frame. Note: this warning label has been eliminated on the current Sterling stove.
2. Reinstall the front grill and the front door frame. Place the hinge spacers onto the front door frame tabs as they were originally placed. Place the hinge pins into the front door hinge tabs and carefully set the door back into place on the frame. Close the door and secure it tightening the front door retention screw.

Removing the Side Stones:

1. From the top of the stove, locate the two hanging radiation shields. Remove them by Lifting them straight up and out of the stove. When they have been removed, note the hook-like tabs on the bottom of the radiation shield. These shields will be used as a tool to install the replacement side stones.
2. Looking inside the stove at the side stones, locate the stone clips. By gently bending the stone clips, they can be taken off the threaded rods. Once loose, remove the stone clips. Carefully place the now free top stone down behind the bottom stone, placing it as far in toward the firebox as it will go. The bottom stone can now be removed on an angle through the corner posts. The top stone can now be taken out in similar fashion. Repeat this procedure on the opposite side.

Replacing the Side Stones:

1. Insert what will be the top stone in through the corner post with the beveled edge facing down (placing it as far in towards the firebox as it will go). Place the bottom stone, with the beveled edge up, in front of the top stone. While holding the bottom stone in its final position, place one of the stone clips onto the threaded rods. Using the side radiation shield as a tool, push the stone clip as far down as it will go behind the bottom

stone. Place the top stone clip on threaded rods and push it down until only about 1/4" is showing above the bottom stone. Place the top on top stone of the bottom stone. Using the hook-like tab on the radiation shield to grab the bottom edge of the stone clips, pull each clip up until it is approximately positioned in the center of the stone. Repeat this procedure on the opposite side of the stove.

2. Replace the side radiation shields. Slide the top radiation shield back in through the back of the stove (the shorter tabs toward the front). Bend the tabs so that the shield will once again hang from the top casting.

Final Touches:

1. Carefully place the top stones onto the top of the stove. Place the rear grill back into its original position on the back of the stove. Secure it by tightening the two Phillips screws.
2. You can now turn on the gas supply to the stove. Follow the instructions for lighting the stove in the owner's manual. If equipped with a blower, it can be plugged into the outlet.

