



Technical Data Sheet

Sterling Stone Replacement – For Repair or Complete Change
This Procedure Can Be Used For All Of The Following Sterling Models: 8501, 8520, & 8530. It Will Also Be Used On Model 8521 Up To Serial Number 15,833 And Model Number 8531 Up To Serial Number 4327.

Date: 12/31/2002

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KIT CONTENTS:

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 has a bevel)
- 4 - Front Corner Stone 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
- Hammer or Mallet
- 11/32" Wrench
- Thin Block Of Wood (Approx .12")

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

PROCEDURE:

Removing the Front Stones:

- 1** Lift and remove the top three 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 a cardboard surface or in another safe area. Be sure to save the

hinge pins and spacers 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 front door frame removed, the six front stones (and the warning label) can be taken out of the front 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 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.
- 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 in position on the frame. Close the door and secure it by 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.
- 2 Looking inside the stove at the side stones, locate the stone clips (see illustration). Place the block of wood, or a hammer handle, onto the edge of one of the stone clips. Gently tap the clip down with the mallet or hammer until it falls off the threaded rods. Remove the loose stone clip. Carefully place the now free top stone down behind the bottom stone, placing it as far in toward the firebox as it will go. Tap the stone clip off the bottom stone. The bottom stone can be removed on an angle through the corner posts. The top stone can now be taken out in similar fashion. Repeat this process on the opposite side.

Replacing the Side Stones:

- 1 Insert what will be the top stone in through the corner posts with the beveled edge facing down (placing it as far in toward 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 proper position, tap one of the stone clips into place. To properly place the clip in position, put the clip onto the threaded rod on an angle that will allow the slots on the ends of the stone clip to slide over the threaded rods. **Important:** the stone clip will be properly positioned when the dimples in the clip are placed so that they are against inside of the stone surface. Using the block of wood and mallet or hammer, tap the stone clip down until it is horizontal and centered. Lift the top stone up and place it on top of the bottom stone. Repeat the procedure to install a stone clip to hold the top stone in place. Repeat this procedure on the opposite side of the stove.

- 2 Rehang 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 three 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 back into an outlet.