

Technical Data Sheet

Starlet Stone Replacement Instructions

For Starlets Manufactured After Sept 1999 – SN 3257 or Higher

Date: 1/8/2003

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TOOLS REQUIRED:

11/32" Open End Wrench
3/8" Deep Socket or Nut Driver
3/8" Deep Socket or Nut Driver
Phillips Screwdriver
Hammer or Mallet

OTHER SUGGESTED MATERIALS:

60" 3/8" Rope gasket and gasket glue
60" 3/4" Tape gasket
Small Block of Wood

BEFORE YOU BEGIN:

Work on a cold stove. Disconnect stovepipe from the stove.

HINT: The top and side stones are the same size. The top stones have polished bevels on all four sides, the side stone on 2 sides.

PROCEDURE:

- 1) Lift the three top stones up and off of the stove.
- 2) Open the front door and lift it straight up off the stove. Note the number of flat washers (if any) on the hinge tabs and save for use in reassembly.
- 3) Using a Phillips screwdriver, remove the 4 bolts that hold the front door frame to the firebox. Remove the frame. Inspect the gasket on the back of the frame. Replace if the gasket is frayed, compressed, or otherwise worn out. The 3/8" rope runs in the channel and the 3/4" tape runs outside the channel on the bottom and both sides. The 3/8" rope will require gasket glue to hold it in place.

- 4) The stones below the front door can now be carefully removed.
- 5) To remove the 4 front corner stones, first use a 3/8" socket or nut driver to remove the 2 bolts that secure the rear shield shell to the top of the firebox (now exposed with the top stones out of place). Push the rear shield shell toward the back of the stove. This will allow you to remove the nuts, with an 11/32" wrench, that hold the front grill in place. Carefully set aside the nuts, flat washers, and lock washers for reuse.
- 6) The front corner stones can now be taken out of the stove.
- 7) To remove the side stones, it will be necessary to completely remove the rear shield shell. First remove the flue collar by removing the 4 bolts that secure h with a 3/8' socket or nut driver. Once the flue collar is removed, the shell will slide out through the back of the stove.
- 8) 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.

INSTALLATION OF STARLET 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 a hammer handle as a pushing tool, shove 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 upper stone on top of the bottom stone. Hook onto the bottom edge of the stone clips so you can position each clip up until they are approximately positioned in the center of the stone.
- 2) Repeat on the other side of the stove.
- 3) To replace the front stones, position the 2 bottom corner stones. Insert the 2 small stones between the 2 corner stones. Adjust the position of the stones to eliminate gapping. Place the top front corner stones over the bottom stones. NOTE: you may want to gently pry the springs out with your finger to insure tension on the front corner stones.
- 4) Reposition the grill. Replace the flat washer, lock washer, and nut. Before tightening, make sure the grill is all the way up against the top casting so the doorframe will fit in place.
- 5) Replace the door frame, tighten bolts with Phillips screwdriver.

- 6) Slide the rear heat shield shell into position and replace the bolts with the 3/8" socket or nut driver. Reinstall the flue collar.
- 7) Set the front door back in place, remember to replace the washers between the hinges.
- 8) Replace the top stones by setting them back in place on the top.

