

# Technical Data Sheet

## Starlet Stone Replacement Instructions

*For Starlets Manufactured Prior to Sept 1999 – SN 3257 or Lower*

**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) Reaching through the top of the stove, place a block of wood against the corner of the stone clip. Tap the clip down with a hammer until it releases. The stone can now be slid through the back between the firebox and the corner posts.

#### **INSTALLATION OF STARLET STONES:**

- 1) To install the side stones, slip one of the side stones in between the firebox and corner posts. Make sure the beveled edge of the bottom stone meets the beveled edge of the top stone. Position it and install the clip. The clip is positioned with the dimples on the top and toward the stone. Place the clip on the rods on an angle and tap it into a horizontal position using a small block of wood and a hammer or mallet. Continue to tap it until it is approximately in the center of the stone.
- 2) Repeat with the upper side stone. 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.