



# Technical Data Sheet

## Homestead Front Stone Replacement

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### FRONT STONES:

- 2 #1141-251 Front Top (2- 3/4" x 9-1/2")
- 2 #1141-252 Bottom Front (3-3/4" x 9-1/2")
- 4 #1141-253 Front Corner (2-19/32" x 9-1/2")

### TOOLS REQUIRED:

- 1 – 9/16" Wrenches
- 1 – 7/16" Wrench
- Rubber Mallet
- Flat Screwdriver or Chisel
- Bungee Cord
- Stove Cement
- Hammer
- Phillips Screwdriver
- Putty Knife

**BEFORE YOU BEGIN:** Work on a cold stove. If the stove is installed, disconnect the stovepipe. Place a bungee cord around the body of the stove. Due to the weight of the top casting, this procedure will require two people. Remove the ash lip by lifting it up from the front of the lip.

### **PROCEDURE:**

1. To replace the front stones, you will need to first remove the top casting. To remove the top, locate the threaded rods running through the right and left hand stones walls. Using a 9/16" wrench, remove the nuts under the bottom casting to free the rods. The top is also adhered to the body of the stove with stove cement. To break this seal, tap the top from underneath with a rubber mallet until the top breaks free on the stove. With assistance, remove the top casting and place it out of the way.
2. Open the front door and lift it straight up and off the stove. Be sure to save the hinge pins and shim washers for reassembly. Remove the frame by turning out the four screws with a Phillips screwdriver.

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3. To remove the stones above or below the front door, place the blade of a flat screwdriver under the stones and gently pry the stones until they break free. To remove them, place the blade of the screwdriver under the joint of the stones and pry them out on an angle from the center point where they meet. This should allow you to remove the top or bottom stones without disturbing the corner stones.
4. To remove the corner stones place the blade of a flat screwdriver between the stones and gently pry to loosen the top stone. To also remove the bottom corner stone, place the screwdriver under the stone and pry it up until it is free.
5. Before installing the replacement stones, clean the stove cement off the component parts that will be reused including stones, cast iron parts, and steel splines that are placed between the stones. To clean the cement, chip it off using the blade of a screwdriver and a hammer.
6. Be sure to seal the new stones with stove cement as you rebuild the stove. Cement should be applied where the stones fit against cast parts and between the stones. When sealing stones to the top and bottom casting, apply the cement toward the inside of the casting. This should allow any excess cement to push out inside the stove, not on the outside of the stove where it would be seen. When sealing between the stones, remember to replace the steel splines. With a spline placed into the slot of a stone, apply a thin bead of cement to the inside exposed portion of the spline. Place the appropriate stone into place. Once the stone front is reconstructed, apply a bead of cement to the inside of the stone seams. This can be done with a putty knife, or by hand with disposable rubber gloves.
7. Inspect the gaskets on the front door and front door frame. Replace the gasket if it has become frayed or compressed. Place the frame onto the stove and secure it by replacing the four screws. Place the door onto the frame – carefully replacing the hinge pins and shim washers.
8. Prepare the top by cleaning out the stove cement as described in step five. Apply a bead of fresh cement to the channel in the top, keeping the cement toward the inside of the channel. Place the top onto the body of the stove. Maneuver the top until it drops into position on the stone walls. If needed, rapping it with the mallet can knock it down into position on the stove. Thread the two rods back into the top and secure them by tightening the nuts underneath the stove with the 9/16” wrench.
9. Drop the ash lip back onto the stove. Allow 24 to 48hours for the cement to cure before burning the stove. Follow the break-in procedure as outlined in the owner’s manual.