

Technical Data Sheet

Homestead 8570 Side Stone Replacement Instructions Same for Freestanding and Hearth Mount Models

NEEDED TO COMPLETE THE REPAIR:

1541-730: Side Stone(s)
Stove Cement
3/8" Medium Density Rope (6 ft.)
Gasket Adhesive

TOOLS REQUIRED:

Pair of Work Gloves
Bungee Cord
9/16" Wrench or Socket
Rubber Mallet
Putty Knife
Hammer
Flat Screwdriver
Chisel
Safety Glasses
Utility Knife
Shop Vac.

BEFORE YOU BEGIN: *Always work on a cool stove.* Clean out all the ashes and debris from the firebox. **Due to the weight of the top, you may need two people to lift off the top casting.** Read the instructions thoroughly before starting the repair.

- (1) Wrap a bungee cord around the body of the stove.
- (2) On the underside of the bottom casting, you will see two 3/8" nuts – one on the left and one on the right side. These turn onto the threaded rods that go up the body of the stove and turn into tamperproof nuts in the top casting. Remove these nuts with a 9/16" wrench or socket. Once removed, save the nuts and lock washers for the reassembly of the stove. The threaded rods should remain in place, still turned into the top casting.
- (3) Using a rubber mallet, hit around the underside of the top casting lip. Continue to strike around the top until it breaks free from the stone walls. If the stove has been burned for over a year, the cement should break free easily. If it is newer, the cement seal will be stronger and the blows from the mallet will need to have greater impact. Once it breaks free, the top should be lifted off and set aside (you will need a second person to lift off the top). The three stones will remain in the top and it will have to be lifted high enough so that the rods clear the top stone in the firebox.
- (4) You can now lift the corner posts straight up and off the stone. Use care not to scratch the stones in this process. If you are only replacing stone(s) on one side, they only have to be removed from the side being worked on.
- (5) Using a utility knife, score the cement on the seams of the stones that you are removing.

- (6)** Using the rubber mallet, gently tap on the stones until they break free from any remaining cement seal. You can also pry the inside seams with a flat screwdriver to loosen the stone. Once the stones are loose, they can be pulled straight up and out of the stove. They will need to be lifted high enough to separate them from the lip on the back panel that runs through the stone slot on the back of the side stones. Be sure to remove and save the metal spline that runs horizontally between the two side stones.
- (7)** Clean all the surfaces that have old cement on them. Use a hammer and small chisel (or flat screwdriver) to remove cement that is still adhered to the stone or cast iron parts that will be reused. In the same manner, clean out the old gasket and stove cement from the channel in the top casting.
- (8)** Vacuum any remaining stone dust, ashes, or loose debris from the area that you are working on. This will allow for a clean, permanent surface to apply fresh stove cement to.
- (9)** Apply a thin continuous bead of stove cement to the channel in the bottom casting. Keep it on the firebox side of the channel. This will allow any excess cement to ooze into the firebox, not on the outer surface. Also apply cement to the spline that runs through the seam exposed in the front stones and on the lip on the rear cast iron panel.
- (10)** Before placing a new stone into the stove, make sure it is properly oriented so that the vertical cutout up the inside of the stone lines up with the hole where the threaded rod will pass through it. As you install the stone, make sure the front spline and rear panel lip are sliding into the slots on the edges of the stone.
- (11)** Return the horizontal spline into the slot on the top edge of the stone that was just installed. Using a putty knife, apply a bead of cement to the exposed half of the spline on the inside edge of the spline. The spline and cement will create a seal between the top and bottom stone. Making sure it is properly oriented; place the top stone into the stove on top of the bottom stone. Make sure it sits down flush to the bottom stone.
- (12)** If both sides have cracked or damaged stones, repeat steps number four through eleven on the opposite side.
- (13)** Reinstall the corner posts; take care not to scratch the stones. Install one corner at a time, stretching the bungee cord out on each corner to allow each one to be placed back into the stove. Make sure they seat down into the socket in the bottom casting.
- (14)** Apply a thin, continuous bead of stove cement to all of the inner stone seams. Also where the stone and bottom casting come together and where the back panel and stones fit together. Smooth the cement out using a putty knife. This will help seal the stones – the smoothing is just for the aesthetics.
- (15)** Apply a thin bead of gasket adhesive to the channel in the top casting to adhere the new gasket to the top. The gasket should be centered along the rear of the top casting and along the outer edge of the three remaining sides.

- (16)** Apply a bead of stove cement to the inside edge of the top stones and across the top of the rear panel. The combination of gasket and stove cement will create a seal between the top casting and the firebox once the top is drawn down to the body of the stove.
- (17)** With help from a second person, lift the top casting up high enough to allow you to drop the rods back down through the body of the stove. With some maneuvering, the rods will drop into the holes in the bottom and the top will seat down onto the firebox. It may be necessary to pound the top down into place with the rubber mallet.
- (18)** Place a lock washer and nut (that was saved from the disassembly) onto one of the treaded rods that are now extending down through the bottom casting. Fingers tighten the nut. Do the same on the opposite side. You can now tighten the nuts with the 9/16" wrench or socket. Tap the top casting with the rubber mallet as you tighten the nut, this will get the top to seat correctly.
- (19)** Remove the bungee cord. Visually inspect the sides and top. Clean any excess cement from the outer surfaces.
- (20)** The new cement should be cured. Follow the break in procedure outlined in the manual to do this.