



Technical Data Sheet

H-I Side Plate Replacement Instructions

Assembly #91-58141

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ASSEMBLY CONTENTS:

Side Plate
2 – 1/4" -20 x 1" Self Tapping Bolts
2 – 1/4" Flat Washers

TOOLS REQUIRED:

3/8" Socket or Wrench
Ash Shovel
Ash Container
Penetrating Oil or Spray

NOTE: Some older stoves may require the following additional materials: furnace or stove cement, wire brush, prick punch, 7/32" drill bit, power drill, 1/4" -20 tap, and a felt tip marker.

BEFORE YOU BEGIN:

Allow the stove to completely cool down. It will be necessary to thoroughly clean the ashes out of the bottom before starting this repair. As the ashes are removed with a shovel, place them in a covered noncombustible container made for this purpose.

Some early models of the H-I will have a bolt joining the side plate to the back plate. If present, remove it with a 3/8" wrench. If not, proceed to the step 1. It is not necessary to replace this bolt when reassembling. If the back plate is also being replaced, it will not have a hole drilled into it for this purpose.

PROCEDURE:

1. With the ashes cleaned from in front of the side plate, locate the two bottom tabs. To remove the plate, it will be necessary to remove the bolts that run through these tabs. The bolts are turned into threaded holes in the air channel that the plate is standing on. To try and save these threads, apply penetrating oil to the bolts and allow it to set for a few minutes. Remove the bolts with the 3/8" wrench.

NOTE: If the cement has fallen off the stone seams behind the plate, clean the exposed stone seams with a wire brush and reseal them by applying a fresh bead of stove or furnace cement.

2. The side plate can now be taken out of the stove.
3. Place the new side plate into the stove. Use the self-tapping bolts provided to reattach the plate. In most cases the repair will be completed, however, on some older model stoves the tabs may not line up with the holes in the bottom casting. In this case, place the new plate into the stove, line up one of the tabs with an existing hole and mark the location for the new hole with a felt tip marker. Remove the plate. Place a prick punch on the mark and make an indent by striking the punch with a hammer.



Drill a hole in this spot with a 7/32" bit. Thread the hole with a 1/4"-20 tap. Place the new side plate back into the stove and secure it with the two bolts provided. The bottom tab of the new plate may cover the original hole. It is important to seal the unused hole with furnace cement, an extra bolt, or both.

IMPORTANT WARNING: If all the ashes have been removed from the bottom casting to make this repair, it will be necessary to replace a layer of sand or ash approximately 3/4" deep (up to the top of the ridges in the bottom cast plate). Burning a fire on a bare bottom casting will cause it to crack.