



Technical Data Sheet

H-I Back Plate Replacement Instructions

Assembly #91-58140

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ASSEMBLY CONTENTS:

Back Plate
2 – 1/4“-20 x 1-1/4” Hex Head Bolts
2 – 1/4” Lock Washers
2 – 1/4” Flat Washers

TOOLS REQUIRED:

3/8” Socket or Wrench
7/16” Wrench & Socket
Ash Container
Ash Shovel

NOTE: Some older stoves may require the following additional materials: furnace or stove cement, wire brush, prick punch, 1/4” drill bit, power drill, 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. No hole is provided in the new back plate for this bolt and it is not necessary to reinstall it.

PROCEDURE:

1. With the ashes cleaned from in front of the back plate, locate the two bottom tabs. To remove the plate, it will be necessary to remove the bolts that run through these tabs. Hold the head of the bolt with the 7/16” wrench and turn off the nuts (located underneath the bottom casting) with the 7/16” socket wrench. It may be necessary to break the bolts to remove them.

NOTE: If necessary clean the exposed stone seams with a wire brush and reseal the seams by applying a fresh bead of stove or furnace cement.

2. The back plate can now be maneuvered out of the stove.
3. Place the new back plate into the stove. Use the bolts provided to reattach the plate. In most cases the repair will be completed, however, on some older models 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 1/4” bit. Replace the plate and install and tighten the bolts. 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 $\frac{3}{4}$ " 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.