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## OVAL FIREBRICK REPLACEMENT

Instructions for fire brick replacement kits: #1234 - replaces one piece brick  
#1220 - replaces older model oval 6, 4 or 2 piece brick

Instructions are also for single brick replacement.  
Follow instructions as they apply to left or right side brick.

1. Remove keyplate lift handle from keyplate, and lift out keyplate. (figure 1)
2. Undo the two bolts and clips that hold the left cast liner in place, and remove the liner. Right cast liner need not be removed
3. 1) Clear out all the old brick and make sure there is no debris where the brick rests.  
2) Back out any screws that are protruding into the firebox that may interfere with installation of the brick.  
3) Older model Ovals may have machine screws, and will have to be filed down enough so that the brick will fit into place.
4. To install the two piece replacement brick, (see figure 2)

- Ⓐ install the right one first by placing it in the firebox area
- Ⓑ first, slip the front of the brick in under the right cast liner.
- Ⓒ then, slip the rear of the brick in.

Note: if the brick will not easily fit under the cast liner then the cast liner will have to be loosened or removed, then install the brick.

**Right cast liner removal.** Depending on the age of your oval, you may have a 3 piece cast liner, which is held on by 2-3 screws, newer models are a single piece liner held on by 1-2 screws, thru the top of the oven and thru the back of the stove. Heartland models have a single screw, thru the top of the oven.

Heartland models with Firebrick right liner is held in place with a single clamp at the front of the firebox, undo the screw that holds the clamp, remove the clamp and the brick can then be removed.

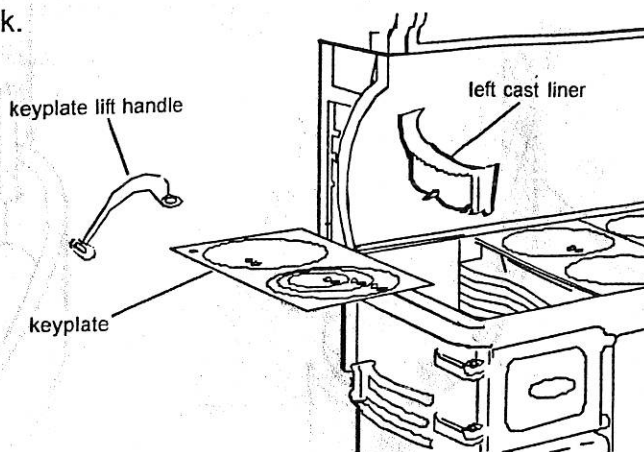


figure 1

Note: newer Oval units have a brick in place of a cast iron liner, however replacement procedure is the same

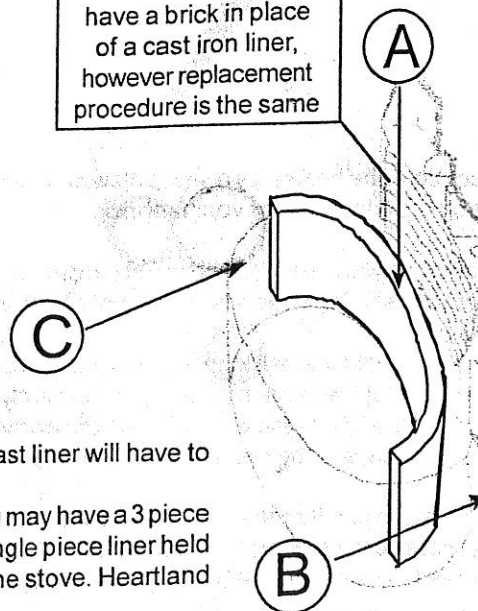


figure 2  
view inside firebox

5. Install the left brick. (**figure 3**) After the brick is in place, install the brick holders at the front and rear of the brick. To install, slide the holders down to cover where the left and right side of the bricks meet, then slide the bottom tab under the brick to secure holder in place. (**figure 4**) If the brick holders fit tight, gently tap them into place with a mallet.
6. If the brick seems to fit tightly, remove the brick and check for screws or other obstructions protruding into the firebox, the screws will have to be filed down enough so that the brick will fit into place.
7. If the brick still seems to fit tight, gently tap the brick down into place with a rubber mallet, until it seats.
8. Replace the left liner and clips. (**figure 5**) and the right liner if you had to remove it. Replace keyplate and lift handle. Turn in any screws that were backed out.



figure 3

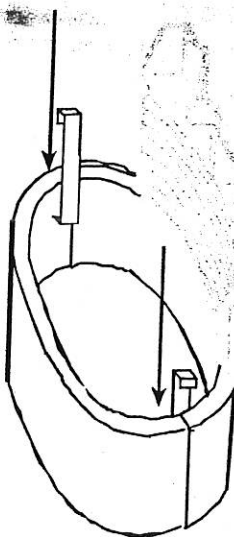


figure 4

views from inside firebox

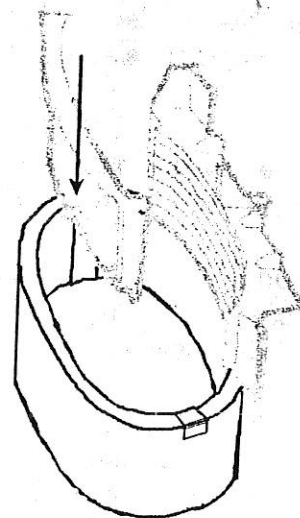


figure 5

## BREAK-IN FIRE

Firebrick could be broken by a sharp blow or thermal shock. A little extra care and thoughtfulness during the break-in period will help promote a long life for your firebrick.

The firebrick will have picked up moisture during shipping and storage.

During the break-in period it is important to let the firebrick slowly dry out and avoid thermal shock, caused by strong hot fires.

- Build a small kindling fire and add small pieces of kindling.
- Let the stove burn for approximately one hour on the first firing.
- Let the stove cool keeping the doors closed.
- Repeat the process for a few days or until you have had six break-in fires.

**NOTE:** Failure to follow the break-in procedure will result in pre-mature crumbling of the firebrick. Some cracking may occur and will not effect the operation of the firebrick. If desired the cracks may be patched with firebrick cement. Larger cracks may be repaired by carving a 1/4" deep groove where the crack is and then applying stove cement.

**Attention Findlay Oval and Elmira Stoveworks Oval owners:** in some case the early fireboxs were constructed in such a way as to allow minimum or no clearance for the installation of the new fire brick, particularly at the ends. The solution is to use a rasp or a portable grinder with a masonry disk and trim the ends of the firebrick enough to allow the brick to slip into the firebox.