



# Technical Data Sheet

## Mansfield 8010/11 & Heritage 8020 Rear Heat Shield Installation

*Kit #90-57200*

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### **KIT INCLUDES:**

- (1) 5930-2010 Rear Heat Shield
- (1) 5930-2013 Middle Heat Shield Clip
- (2) 5930-2009 Bottom Heat Shield Clips
- (2) 4500-0540 Screws ¼"-20 x 3/8" Pan Heads
- (2) 4500-3435 Screws 8-32 x 3/8" Type F
- (2) 4500-1876 Screws 10-24 x ½" Pan Heads

### **TOOLS REQUIRED:**

- Phillips Screwdriver
- 7/16" Wrench
- Stubby Phillips Screwdriver

 **NOTE:** This heat shield fits the both the Mansfield Models 8010 and 8011 and the EPA certified Heritage Model 8020, non-catalytic woodstove. It is not intended for use with the EPA exempt American Heritage previously manufactured by NHC Incorporated, nor the newer Heritage model 8021.

### **BEFORE YOU BEGIN:**

Identify all the components in the kit. The bolts in the rear trim of the Mansfield are turned into threaded holes in the rear of the stove; the bolts in the Heritage are fastened with lock nuts located inside the firebox.

### **PROCEDURE:**

- 1) **Mansfield Only:** Loosen the two screws in the trim steel located on the back of the Mansfield, but do not remove them. Just loosen them enough to allow the middle clip to slide between the trim steel and the bolt heads.
- 2) **Heritage Only:** If you are installing the heat shield on a Heritage, open the side loading door and place a 7/16" wrench or socket on the nuts that hold the rear trim steel bolts in place. Turn the heads of the screws on the back with a Phillips screwdriver until there is enough room to slide slots in the middle clip between the bolt heads and the trim steel (it is not necessary to fully remove the nuts).
- 3) With the middle clip in place, tighten the two screws. Loosely fit the ¼" x 3/8 screws into the holes on the face of the middle clip.
- 4) Locate the screws on the underside of the rear of the bottom casting and loosen the two outermost screws as shown in photo #1.

 **Note:** These screws are also used to mount the optional outside air adaptor. If you will install both the rear shield and outside air adaptor, remove these screws and substitute the 10-24 x ½" pan head screws provided with this kit.



**Photo #1**

Middle bracket is installed and ¼" screws are properly placed on the face of the bracket. Note that these screws are not tightened.

Loosen the outermost screws on the under side of the stove for installation of the bottom clips.

- 5) The two bottom clips are interchangeable. With the clips positioned as shown in photo #2, slide the slots on the clips between the bottom cast and the previously loosened screw heads underneath the stove. Snug, but do not fully tighten these screws.



**Photo #2**

The bottom clips are installed as shown here, one on the left and one on the right. The clips are interchangeable.

Slide the slots in the clips over the previously loosened screws underneath the stove.

- 6) The bottom clips should straighten as shown in photo #3. With the bottom clips in this position, tighten the screws with the Phillips screwdriver.



**Photo #3**

Straighten the bottom clips and tighten the screws.



**Photo #4**

This is the proper orientation of the installed clip set. It is now ready to accept the rear heat shield.

 **Note:** If you are intending to use the accessory blower (kit #90-57000), install it on the stove now – before the rear heat shield is installed (see photo #5). Follow the instructions that come with the blower for proper installation.

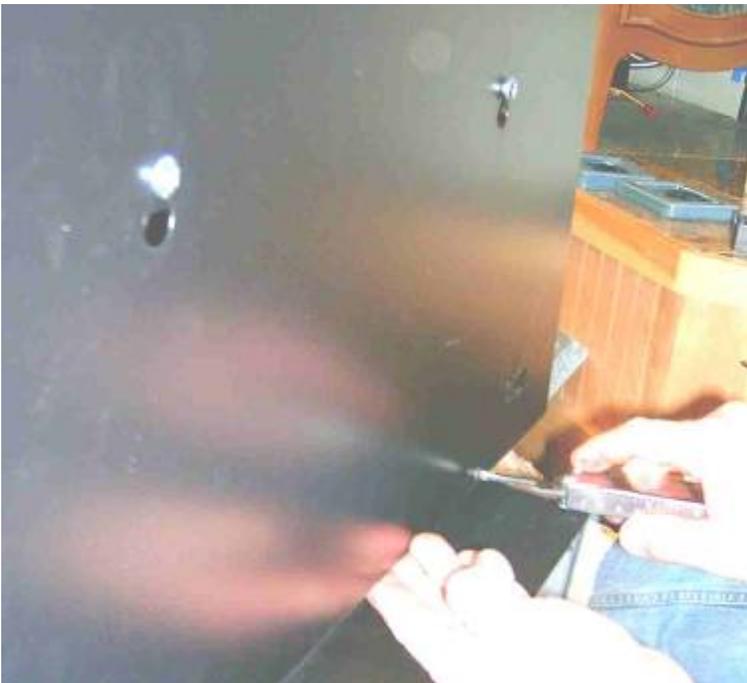


**Photo #5**

If you are adding the accessory blower in combination with the rear shield, mount it to the stove now.

 **Note:** The shield can be used by itself to reduce the clearances off the rear of the stove to combustibles. For the blower to work properly, it must be installed with the heat shield.

- 7) Place the shield onto the stove. Ensure the lip on the shield is on top, slip the keyholes in the shield over the screws that extend out from the middle bracket as shown in Photo #6. Install the 8-32 screws provided into the holes in the bottom of the shield that line up with holes in the bottom clips. To finish the installation, tighten all screws.



**Photo #6**

Place the keyholes on the shield over the screws on the middle bracket and allow it to drop onto the back of the stove.

Line up the holes in the shield with the holes in the bottom brackets and insert the 8-32 x 3/8" screws provided with this kit.

Tighten all screws.