



Technical Data Sheet

Top Casting & Stone Replacement On The Mansfield 8011*

Top Cast #2010-801 (Matte)

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TOOLS REQUIRED:

9/16" Wrench	Vise-Grip Pliers
9/16" Deep Socket	7/16" Wrench
Bungee Cord(s)	Hammer
Putty Knife	Stone Chisel (optional)
Rubber Mallet	Wood Blocking
Flat-tip Screwdriver	

BEFORE YOU BEGIN:

Work on a cold stove. Disconnect the stovepipe. Reach in through the flue collar with a 7/16" wrench and remove the two nuts that secure it to the top. Lift the flue collar off the top and save it for reassembly. Wrap a bungee cord(s) tightly around the body of the stove.

Note: Use two people when removing the top casting containing stone.

**This part also fits on the older model 8010, however you will need a new support grid and new top stones, as the original stones will not fit in the new top. You will also need four new beveled nuts for the top of the rods. See your dealer for availability.*

PROCEDURE:

1. On the model 8011, the top is secured to the stove with four 3/8" threaded rods that pass through the body of the stove and are fastened with beveled nuts recessed into the top casting and standard hex nuts underneath the bottom casting. **The bottom nuts also secure the feet to the stove. Place suitable blocking under the four sides of the stove to prevent the stove from falling off its feet during repairs.**
2. Locate the bottom nuts – and if possible, add a second nut to the bottom of the rod, then tighten the two nuts together. Use the wrench on the upper nut and turn the rods until they drop out of the top nuts (recommended). Otherwise you will have to remove the corner posts to access the rods and manipulate them with the vise-grip pliers (see step 4). On the model 8010 the four threaded rods are threaded directly into the top casting. If you need to use vise-grip pliers, take care to grip the smooth parts of the rods near their middle so that the threads on either end are reusable. Once the rods drop down, remove the bottom nuts.
3. Place bungee cords snugly around the stove body (near the top) to keep the side posts in place. Using a rubber mallet, tap upward along the underside of the top casting until the stove cement seal is broken.
4. If you cannot use the double nut procedure outlined in step 2, remove the bottom nuts from the rods, follow the procedure in step 3, then lift the top enough so you can remove the corner posts, retain any gasketing removed for reinstallation. Grip the rod with the vise-grip pliers, and then turn the rod until it drops down. Take care to not damage the adjacent stones.

5. Remove the top with the stone still installed (use two people). With a person on each side, lift the top straight up until clear of the sides of the stove. Remove the threaded rods from the stove.
6. For the model 8011, remove the top stones and support grid from the top casting, and retain for reinstallation in the new top. If you have the Mansfield model 8010; you can now discard the original top and stones.
7. Use a rubber mallet to carefully tap the top stones free of the cement. Avoid prying tools as you could easily gouge or break a stone. Carefully clean all old cement from the stones and support grid. Replace any broken stones or components.
8. Using a hammer and a flat chisel (or flat-tip screwdriver), carefully chip off any old cement from the top edge of the now exposed stone sidewalls.
9. Reinstall the corner posts and gasketing if removed in step 4. Ensure the posts seat completely in their pockets on the bottom casting. Place bungee cords snugly around the upper body of the stove to hold the corner posts in place.
10. Apply a ¼" to ½" bead of stove cement to the top, inside edge of the stone walls.
11. Set the new top casting on the stone walls and corner posts. Maneuver the top until it seats down flush and level on the top of the stone walls.
12. Install the top nuts (bevel down) on the rods (at least four or five threads). Place the four threaded rods back into position in the stove by sliding them down through the mounting holes in the top casting, through the corner posts, and out through the holes in the bottom casting.
13. Ensure the feet are correctly positioned. Place one 9/16" nut on the bottom of each rod (below the bottom casting and feet) and tighten them until snug (do not over tighten). Make sure the rods are not turning as you tighten the nuts. If the rods start to turn, simply apply pressure to the top of the rods with your finger to prevent them from turning. **Ensure the rods do not project above the nuts resting in the bevels in the top casting.**
14. Place a ¼" bead of cement around the inner top edge of the top casting and push the stone grid into the top. Level the grid into the cement seal.
15. Work on one stone at a time; apply a ¼" bead of stove cement to the underside of each stone. Place this ring of cement where the thin edge of the stone steps up to the thicker, center portion (see illustration).
16. Place the stones into the grid. Position and level the stones immediately (while the cement is soft). Tap higher stones gently with a rubber mallet or your fist to seat them. Carefully remove any excess cement.
17. Set the flue collar back in place and tighten it.
18. Allow the stove cement to cure for 24 – 48 hours before firing the stove. We suggest at least one break-in type fire before the stove is burned in a high firing mode.

