



Technical Data Sheet

Castleton 8030 Top to Rear Exit Conversion

Publish Date: 3/10/2016

INCLUDED IN KIT:

N/A

TOOLS REQUIRED:

7/16" Wrench (Open ended /box)

9/16" Wrench (Open ended /box)

Vise-Grip-Locking or standard slip joint pliers

BEFORE YOU BEGIN: If the stove has been burned, make sure the fire is out and the stove is cool to the touch.

PROCEDURE:

1. Locate the single rear 3/8" threaded rod that runs from the bottom of the stove to the top (see photo #1). Using a 9/16" wrench, loosen the 3/8" nut on the bottom of the stove, but do not remove it. This will allow you to turn the rod out by reaching in through the flue collar and turning it out with the vise-grips or pliers. **Note:** With this rod dropped out of place, you have more room to work in the flue collar area.



Looking down through the flue collar, you can see the top of the tamper resistant cone nut that holds the 3/8" rod in place.

PHOTO # 1

2. Using the 7/16" wrench, take out the four bolts that hold the top flue collar to the top casting of the stove. Remove the flue collar.
3. Using the 7/16", reach in through the top and remove the two top bolts from the rear flue plate.



4. Loosen the two bottom bolts, but do not remove them. Leaving the bottom bolts in place, loosen them until you can pull the flue plate off the back of the stove.
5. While holding the two bottom bolts in place, position the flue collar onto the back of the stove. Start the two bottom bolts into the threaded holes in the flue collar, do not fully tighten these bolts yet. Insert and start the two top bolts. Use the 7/16" wrench to tighten all four bolts to hold the flue collar in place.
6. Before placing the flue plate onto the top of the stove, fold a paper towel into an approximately 1-1/2" x 1-1/2" square. Place this wad of paper towel on top of the cone nut shown in photo #1. When the flue plate is placed on the top, this wad of paper towel will hold the cone nut in place. Place the flue plate onto the top of the stove and turn in the four bolts. Tighten the four bolts with the 7/16" wrench.
7. With the rod lowered under the stove using the lock pliers hold the rod and back the nut off 3 full turns. Lift the 3/8" rod up and line it up with the cone nut (be sure the wadded paper towel is still holding the cone nut in place). Using the vise-grips or pliers, tighten it into threads of the cone nut (about 5 full turns) reaching through the now rear flue collar (if you have an extra 3/8-20 nut you can "double nut" and tighten the rod that way). Finally, with the 9/16" wrench tighten the 3/8" nut loosened in step 1.

Note: The paper towel can stay in place in the stove, it will simply burn away as the stove is used.