

Instructions

Combustion Chamber Replacement

All Two Pound Roaster Models



CAUTION:

Failure to follow these instructions could lead to appliance damage, personal injury, or even death.

Fully read and understand these instructions before performing any work.

Tools needed:

- Adjustable wrench
- #2 Phillips screwdriver
- 1/8"(3 mm) Allen Wrench
- 5/32"(5 mm) Allen Wrench

Note: Using a cordless screwdriver with bit inserts, will make the job a bit easier.

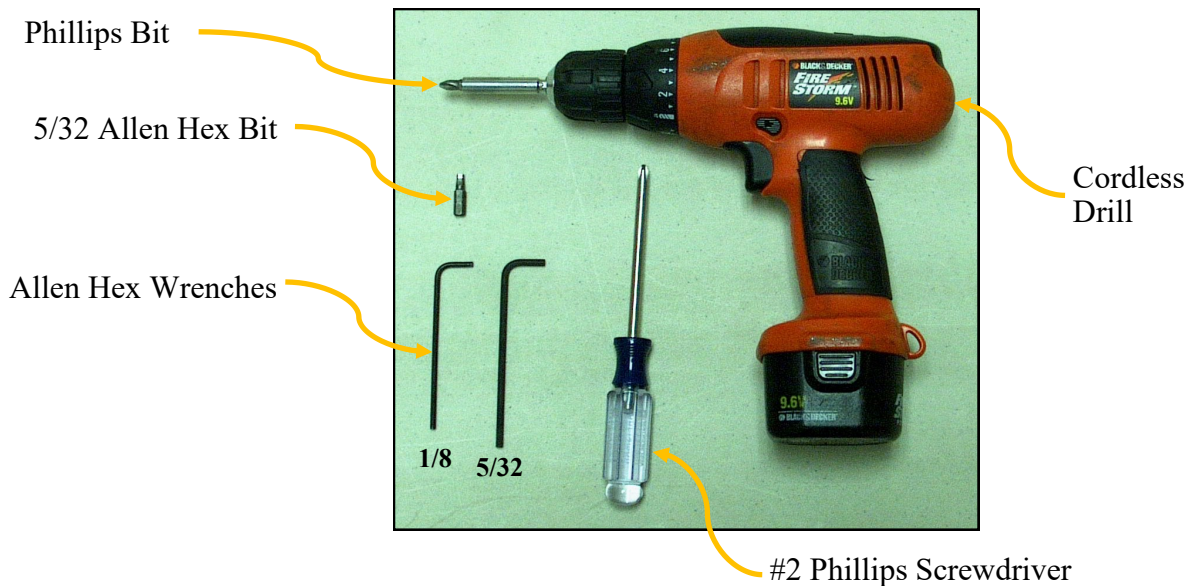


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1. Preparation

Preparation is important for the success of this procedure. The roaster will need to be flipped on its side and maneuvered in various ways to access fasteners. Begin by clearing adequate room around the roaster.

Start by disconnecting power, gas supply, and any ventilation attached to the roaster. Remove the glass roasting chamber completely from the immediate work area to avoid accidental damage.

Caution:

Disconnect power and gas supply before starting work to avoid injury.

Disconnect power to the roaster.



Turn off gas supply and disconnect gas line from to the roaster.



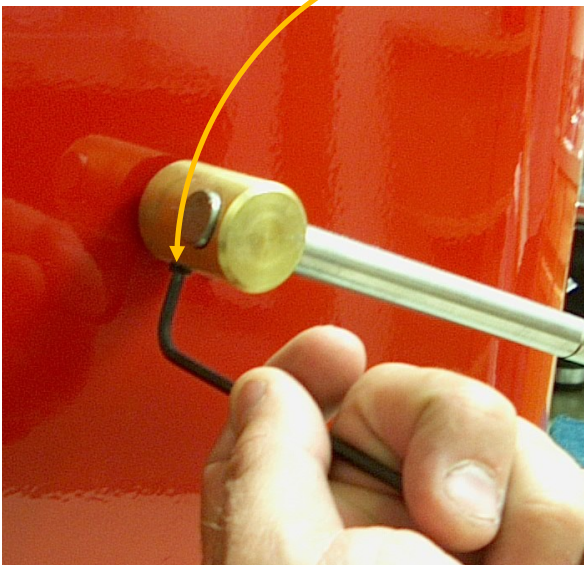
2. Outer Casing Removal

- Remove six (6) brass screws from the chrome top plate.
- Lift top panel and let it hang on the vertical stanchions.
- Remove two (2) screws to remove the control board.
- The control board will not be removed from wiring harness.

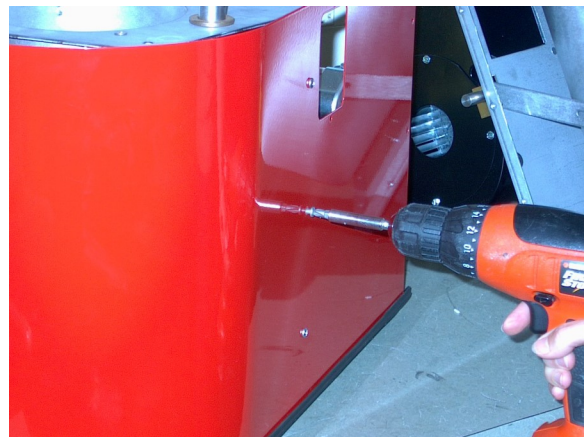


Remove the lift handle by removing the inner set screw using a 1/8" Allen hex wrench.

Inner set screw



- Remove fourteen (14) screws from U-shape (7 per side) using Phillips screwdriver.
- Remove the outer casing from the lower gasket.



3. Combustion Chamber Removal

After removing the outer casing, the combustion chamber can be removed as shown below.

Note the lift stanchions are removed for clarification in this document, there is no need to remove them as part of this procedure.

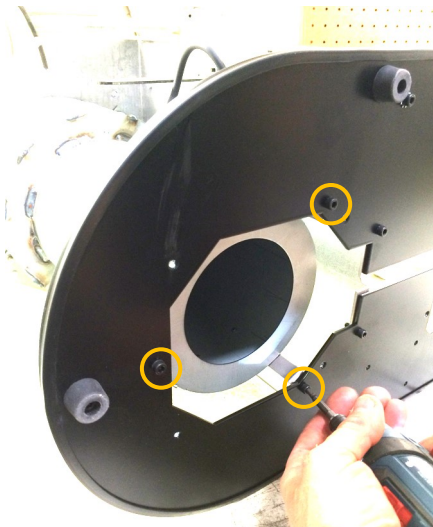
Combustion chamber assembly



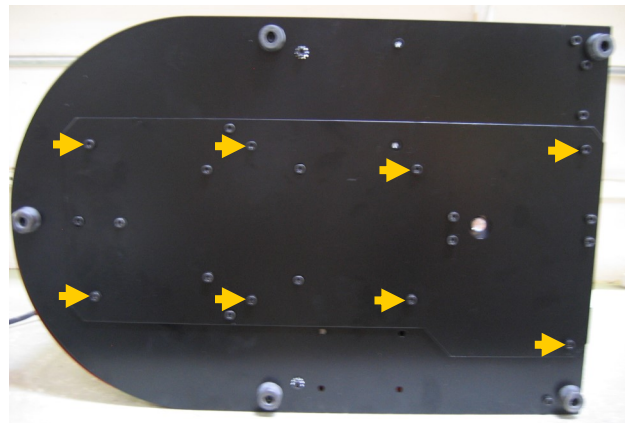
Remove the spark cable from the ignitor probe with a gentle pull.



- Flip the roaster on its left side.
- Using the 5/32" Allen wrench, remove three (3) fasteners that hold the combustion chamber support legs as indicated in yellow circles.



- Remove eight (8) screws to remove the gas valve assembly from the bottom of the roaster.
- The eight screws are indicated by the yellow arrows below.
- Remove the fuel system and disconnect the red and white wires from the gas valve.

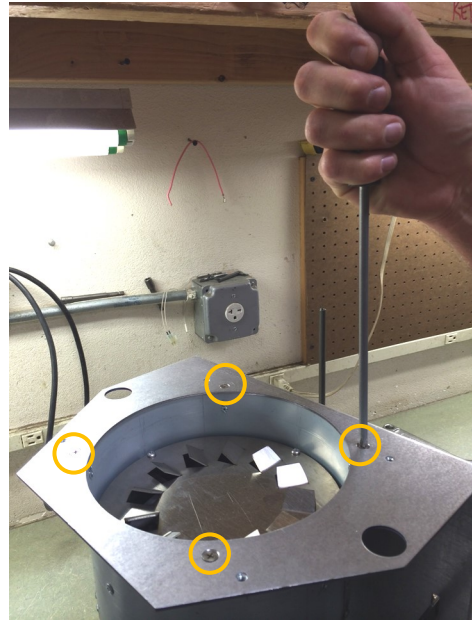


Lift top plate gasket to gain access to the combustion chamber mount screws.

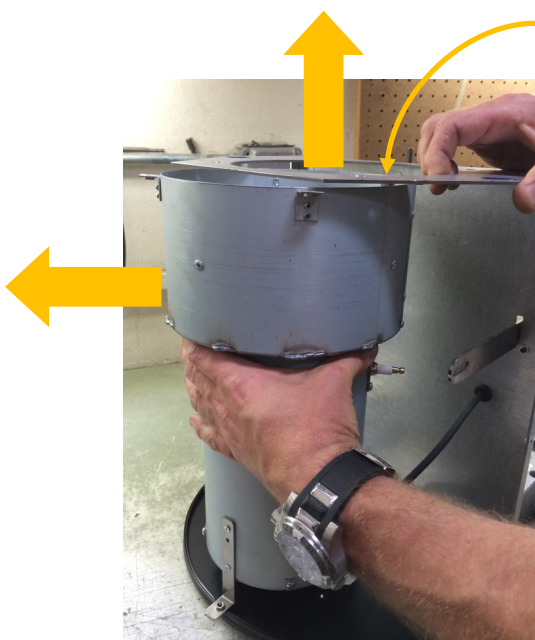


Top plate gasket

Remove mount screws (4) using a Phillips screwdriver.



Remove the combustion chamber by sliding it straight forward while lifting the horizontal wall flange.



Lift horizontal wall flange

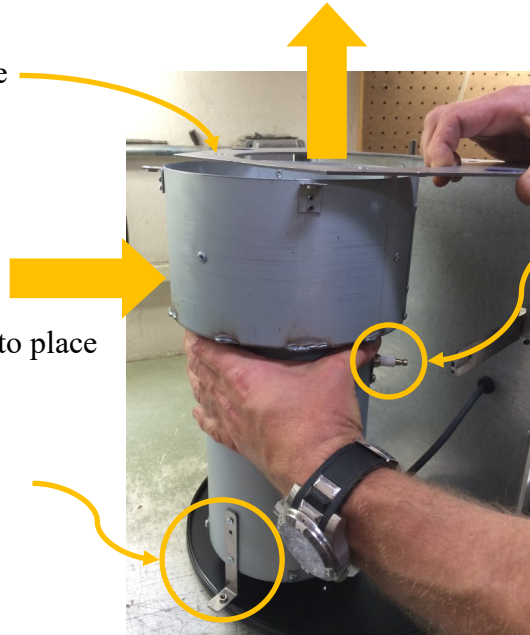
Combustion chamber removed.



4. Combustion Chamber Installation

Position the combustion chamber so that the support leg faces forward and the ignitor probe faces back and to the right. Install the new combustion chamber by sliding it straight in and lifting the horizontal wall flange slightly.

Lift horizontal wall flange

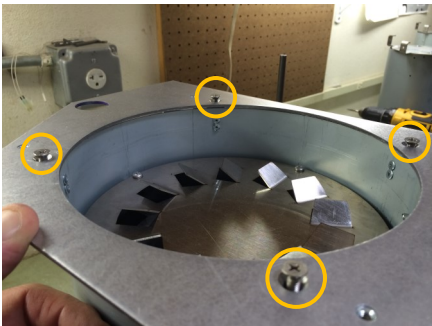


Slide straight into place

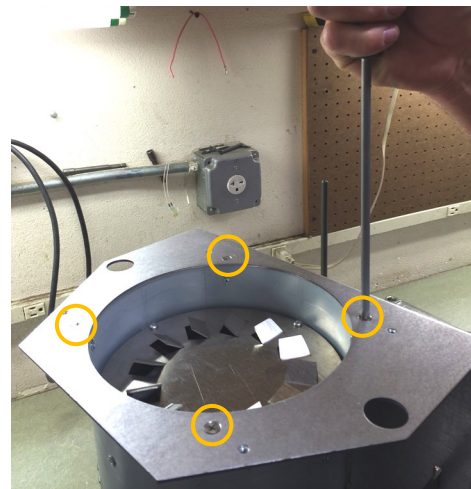
Support leg should be facing toward front of roaster.

The ignitor probe should be in the right rear orientation.

Insert mount screw one at a time by threading in only a couple of turns.



Tighten each screw a few turns at a time until each are tight.

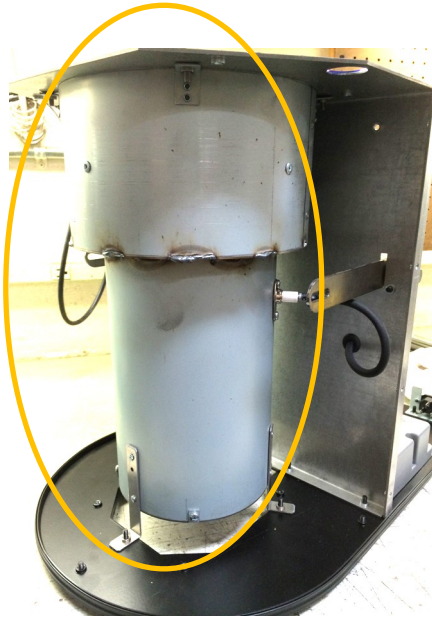


Ensure there are no excessive gaps around the perimeter of the combustion chamber to the wall flange.

Note: there may be a slight gap, but not more than the width of a piece of paper.

Replacement of the combustion chamber is complete, reverse the prior steps to reassemble the roaster.

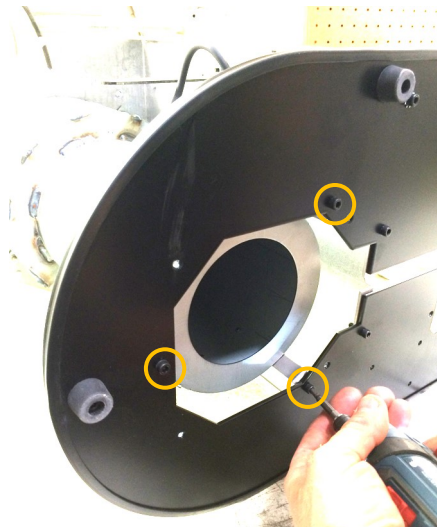
Properly installed combustion chamber.



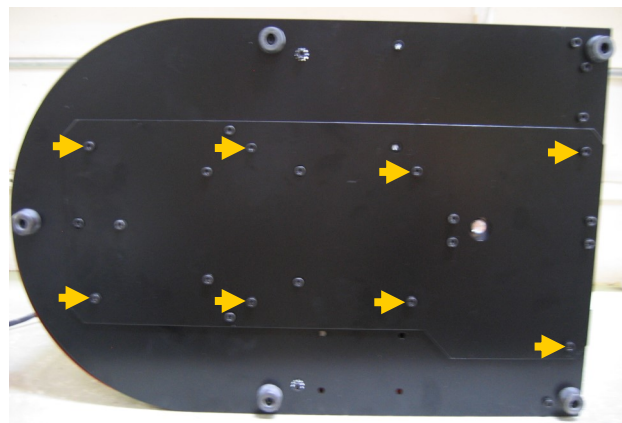
Attach the spark cable to the ignitor probe with a gentle push. Ensure the cable is secured with a gentle pull test.



- Flip the roaster on it's left side.
- Using the 5/32" Allen wrench, install three (3) fasteners that hold the combustion chamber support legs as indicated in yellow circles.



- Connect the red and white wires from the gas valve and replace the fuel system and install to roaster.
- Install eight (8) screws to secure the gas valve assembly to the bottom of the roaster.



5. Install Outer Casing (U-Shape)

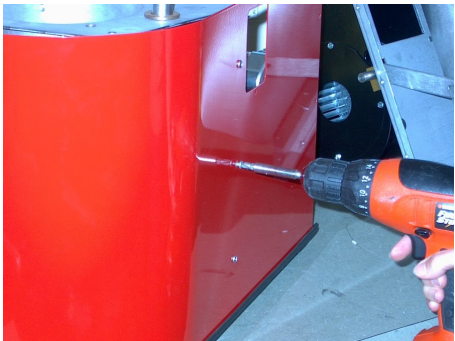
Install the u-shape by inserting the panel into the lower extrusion starting on the left side of the unit. Install four screws on the left side to hold U-shape in place.



Gradually insert u-shape into bottom extrusion all the way around to the right hand side. Ensure that the u-shape is properly seated.



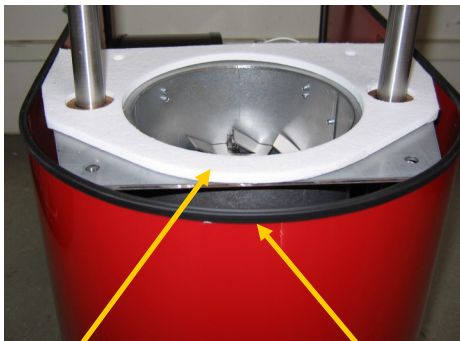
- Reinstall the remaining screws to secure u-shape using Phillips screwdriver.



Install two (2) screws to secure control board to the U-shape.



Ensure that top plate gasket is in place and properly centered round the brass bushings. Reinstall top extrusion on to top of u-shape.



Top plate gasket

Top Extrusion

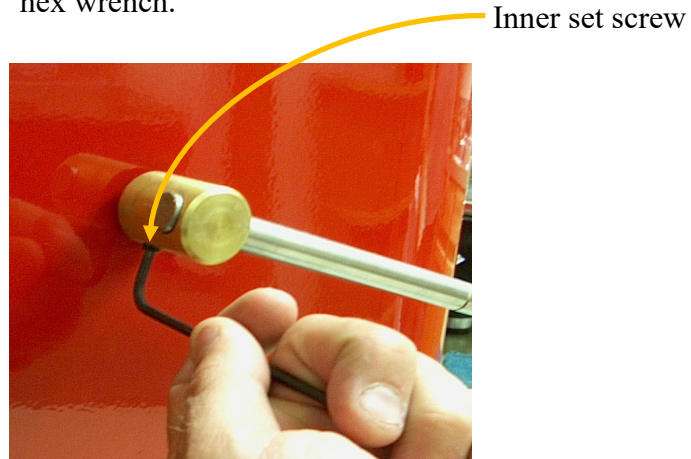
Lower the top plate into place and install six (6) brass screws to secure chrome top plate using Phillips screwdriver.



6. Finishing Up

Take this opportunity to double check all of the fasteners to ensure all are installed and secure.

Install lift handle by installing the inner set screw using a 1/8" Allen hex wrench.



Connect gas line and turn on gas supply to the roaster.



Connect power to the roaster.

