

Tech Data Sheet

HARVEST Prod 8401, Harvest MOD 8402 & Harvest MOD A 8402
REAR COVER/CATALYTIC TRAY/CATALYTIC COMBUSTORS
/PROBE/CATALYTIC CELL REPLACEMENT

YOU WILL NEED:

7/16" Wrench
Screwdriver

BEFORE YOU BEGIN:

Work on a cold stove. Remove the rear heat shield.

PROCEDURES:

REAR COVER

1. Using a 7/16" wrench, remove the 1/4" - 20 x 1 1/4" bolt, 1/4" flat washer, 1/4" lock washer, 3/8" flat washer, and 1/4" nut from the chamber back and rear cover brackets found at the bottom of the rear cover.
2. Using a 7/16" wrench, remove the two 1/4" nuts which hold the rear cover to the studs in the chamber back. Empty ashes into the nonflammable container when you remove the rear cover.
3. The original rear cover or a replacement cover can be returned to the assembly by reversing procedure. Tighten the nuts only until they are snug.

CATALYTIC TRAY

1. Remove the rear cover as outlined in the corresponding instructions.
2. The catalytic tray may be removed as one unit by simply pulling it out. If the tray does not pull easily from the cell, it will be necessary to use the screwdriver to pry it loose. Wedge the screwdriver between the cell and tray as illustrated. Lever it downward to release the tray up from the cell tabs which hold it in. Pull the tray out taking care not to damage the combustors.
3. The original catalytic tray or a replacement tray can be replaced by returning it to its original position.
4. The rear cover can be returned to the assembly as outlined in the corresponding instructions.

CATALYTIC COMBUSTORS

1. Remove the rear cover as outlined in the corresponding instructions.
2. Remove the catalytic tray as outlined in the corresponding instructions.
3. The catalytic tray cover can be removed from the tray by pulling it off. Note its original position.
4. Remove the combustors and fiberboard gaskets. Note their original positions.

5. To return the new combustors to the original tray, or a replacement, first position the two #4 fiber board gaskets on each side of the tray. Wrap the 28 ½" length of 2" x 1/16" interim gasket around one combustor and position it in the tray as illustrated. Set the second combustor into the tray. Wrap remaining interim over the second combustor. Position fiberboard #3 on top of the combustors. Return the catalytic tray cover to the tray.
6. The catalytic tray can be returned to the catalytic cell as outlined in the corresponding instructions.
7. Before closing the cover, remove ashes from the smoke passages of the catalytic cell beneath the tray.
8. The rear cover can be returned to the assembly as outlined in the corresponding instructions.

CATALYTIC PROBE

1. Remove the rear cover as outlines in the corresponding instructions.
2. Remove the catalytic tray as outlined in the corresponding instructions.
3. To remove the probe, use two hands to push it out from the catalytic cell and pull it out from the chamber back simultaneously. The cement seal may be difficult to break at first.
4. The original probe, or a replacement or a replacement probe, can be replaced by inserting it into the cell from the outside of the chamber back.
5. The catalytic tray can be returned to the catalytic cell as outlined in the corresponding instructions.
6. The rear cover can be returned to the assembly as outlined in the corresponding instructions.

CATALYTIC CELL

1. Remove the rear cover as outlined in the corresponding instructions.
2. Remove the catalytic tray as outlined in the corresponding instructions.
3. Remove the catalytic probe as outlined in the corresponding instructions.
4. The combustor cell is bolted directly to the back panel with two ¼"-20 x 1" bolts, two ¼" flat washers, two ¼" lock washers, and two ¼" nuts.
5. The nuts can be accessed inside the firebox. Remove them with the 7/16" wrench.
6. Pull the cell out through the back of the stove. Note the two fiberboard gaskets that are set under the cell. Be sure they are in place before returning the cell to the chamber back
7. To replace the original catalytic cell, or a replacement cell, to the chamber back, simply reposition it, and rebolt it to the back panel. Make sure fiberboards #2 and #5 are in place.
8. The catalytic tray can be returned to the catalytic cell as outlined in the corresponding instructions.
9. The rear cover can be returned to the assembly as outlined in the corresponding instructions.