Part# K-325 & P-326: Catalyst Base Plate Kit & Catalyst Top Replacement

Rev. Date 03/16/2026

Parts Needed:

- (1) P-325 Base Plate (w/ shield)
- (1) P-327 Bypass Door w/ shield
- (1) W-327 Bypass Lift Plate
- (2) W-371 Bypass Retainers
- (1) P-326 Catalyst Top (if replacing)

Hood Hardware

- (3) ¼-20 x 1” HH Bolts
- (2) ¼” Fender Washers
- (1) ¼” Flat Washer
- (1) 5/16-18 x 3.5” HH Bolt
- (2) 5/16-18 Nuts
- Packet of Anti-Seize

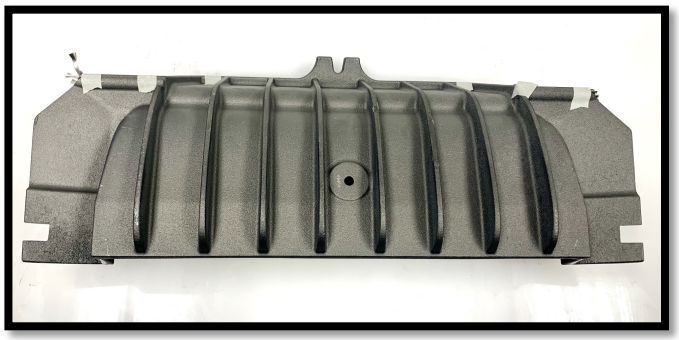
Catalyst Base Plate Hardware:

- (4) ¼-20 x ¾” HH Bolts
- (2) ¼” Flat Washers

Gasket:

- (2 ft) .312 (5/16”) Gasket
- (10 ft) .250 (1/4”) Gasket *(4’ already installed on catalyst base plate).*
- (9 ft) .500 (1/2”) Gasket
- (8 in) .625 (5/8”) Gasket
- (1) Bottle Gasket Glue
- (1) Small Tube of Furnace Cement

**These instructions cover both the replacement of the K-325 Catalyst Base Plate Kit and the P-326 Catalyst Top. When the P-326 Catalyst Top is ordered, it will come pre-gasketed.*



Tools Needed:

- 1/8” Allen Wrench
- 5/32” Allen Wrench
- 7/16” Socket or Open Wrench
- ½” Socket or Open Wrench
- ½” Torque Wrench (if available)
- Putty Knife
- Caulking Gun
- Scissors
- Masking Tape
- PB Blaster or similar penetrating liquid

Please read all of the instructions before you begin the procedure. Confirm that you have all the necessary tools and parts required. If you have any questions, technical support is available at 1-800-866-4344 Monday-Friday 9:00-5:00 & Saturday 9:00-12:00 ET.

Woodstock Soapstone Company, Inc.

66 Airpark Rd., West Lebanon, NH 03784
Phone: 1-800-866-4344
Email: info@woodstove.com
Web: www.woodstove.com

1. Make sure the stove is cool before starting.

2. Remove the top stone & cooktop from the stove and set aside.

3. Tie a piece of rope around the stove so as to hold all the components together when the top frame is removed. The rope should be located about 1/3 of the way down from the top of the stove. If you are top vented, remove the pipe from the flue collar.

4. Use a 1/8" Allen wrench to back out the set screws at the top of each cast corner.

5. Locate the ends of the four draw rods on the bottom side of the stove base. They are located near the corners and are fastened with hex nuts. Looking from the front of the stove each nut will be to the back side of the leg bolts. Remove all four nuts.
(The legs removed in photo below to show location of draw rod nut)

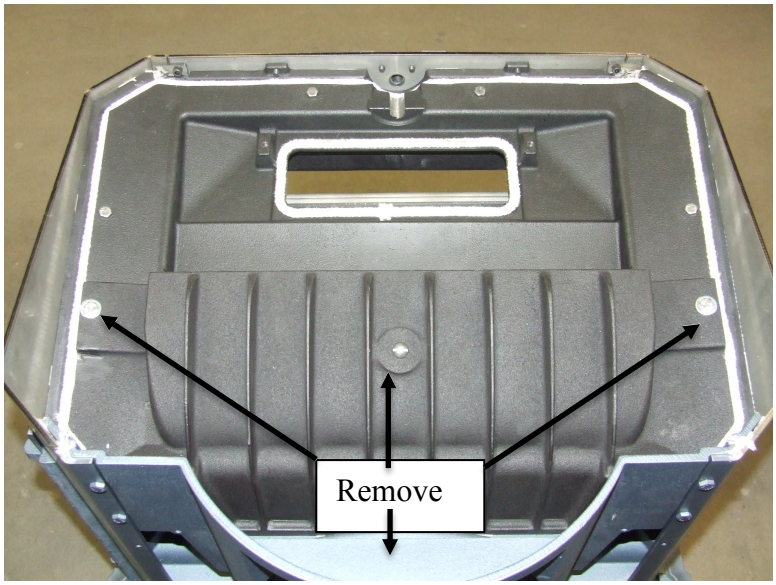
6. The draw rods pass through the body of the stove and are threaded into the top cast iron frame. Turn them clockwise to release them. Let the draw rods hang loose once they are removed from the top.

7. The top is very heavy. It will be helpful if two people lift it off of the stove body. Set the top frame upside down on work surface for gasketing in a later step.

8. Slide the catalytic combustor forward and remove it from the stove.

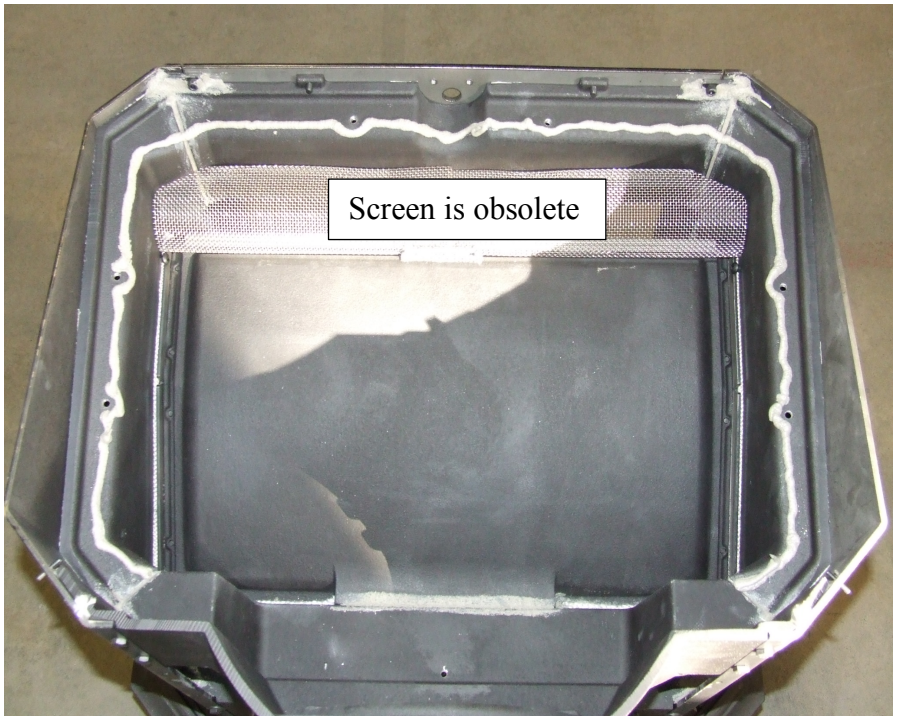
9. Use a 7/16” socket or wrench to remove the two bolts fastening the steel lift guide plate from the bypass door. This is the plate that keeps the bypass shaft linked to the bypass door.

10. Use a 7/16” socket to remove the three hex head bolts that hold the top half of the combustor housing in place (one located at the bottom rear of the housing).
If you are reusing your catalyst top, use a ½” socket and wrench to hold the locking nut, to remove the single 3.5” center bolt. The 3.5” bolt may need to be cut out. Remove the catalyst top from the stove.

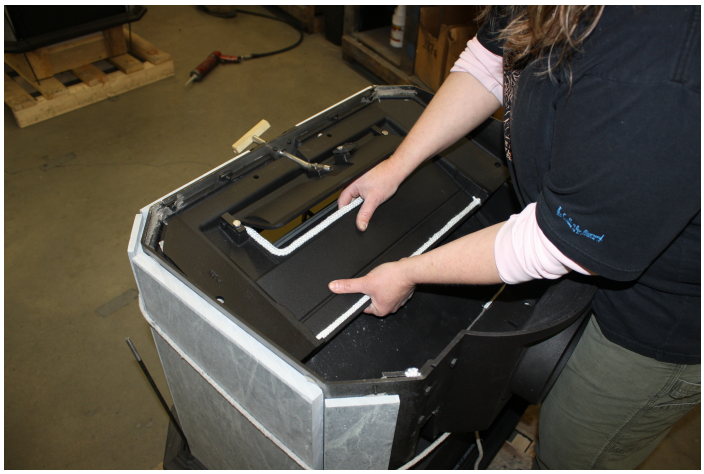


11. Remove the four hex head bolts that hold the catalytic base plate in place. There are two bolts at the front of the plate and one on each side. Remove the plate.

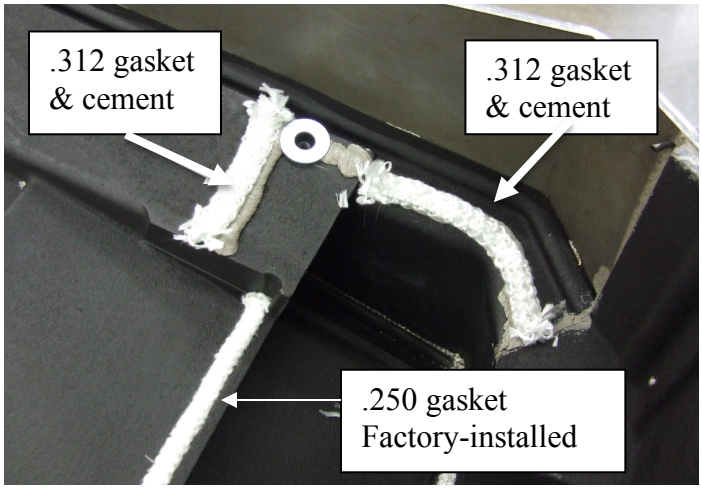
12. Lay a bead of furnace cement on top of the left air channel (P-320), the right air channel (P-321), and the front air manifold/wash (P-322) as shown below.
NOTE: Disregard the screen shot in this image. We stopped using the screens in production. If you still have the screen assembly in your stove, we recommend removing it.



13. Lower a catalyst base/bypass plate (P-325) into place onto the furnace cement. Loosely install the (2) ¼-20 x ¾ HH bolts and ¼" washers on the left & right of the base plate, and (2) ¼-20 x ¾" HH bolts (no washers) at the front of the stove. Do not tighten the bolts yet.

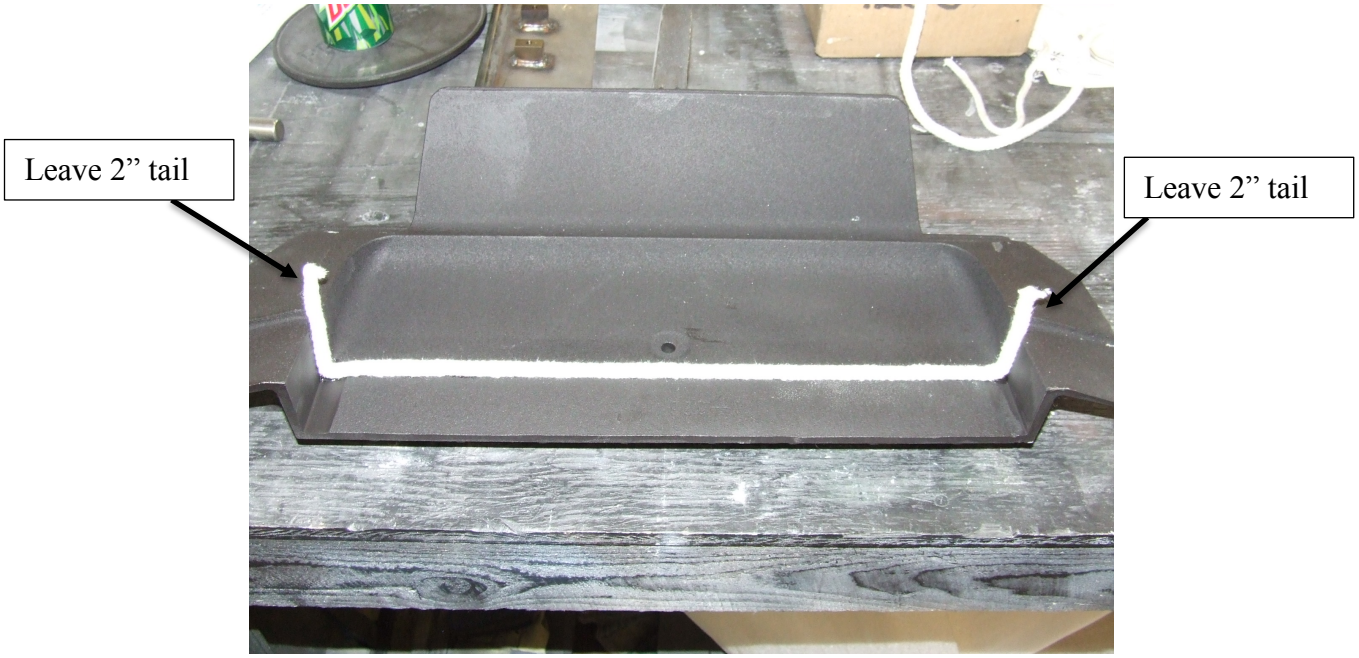


14. Place a bead of furnace cement behind the catalyst plate on the back right and back left corner bends and in front of threaded attachment hole for the catalyst top. Cut small strips of the .312" gasket and lay them on top of the stove cement as shown below.

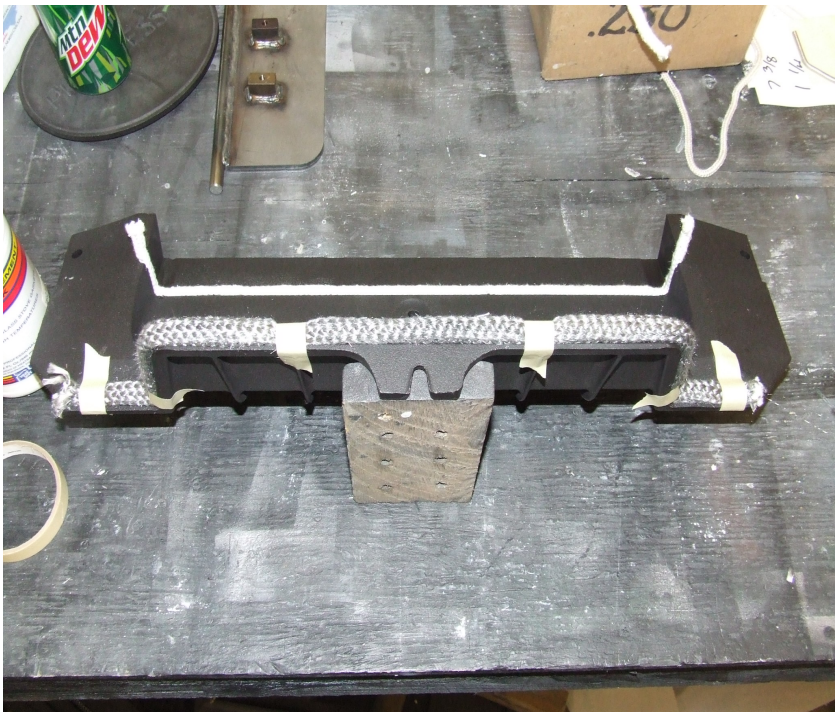


**If you are replacing the P-326 Catalyst Top then skip to step 17.*

15. Lay the catalyst top upside down on your workbench. Place a line of gasket glue in the catalyst gasket track and put .250" gasket in the track with and extra 2" of gasket on each end. **NOTE: It is helpful to use a few strips of masking tape to hold the gasket to the glue. Allow the glue to set for 30 minutes before turning the catalyst top over.**



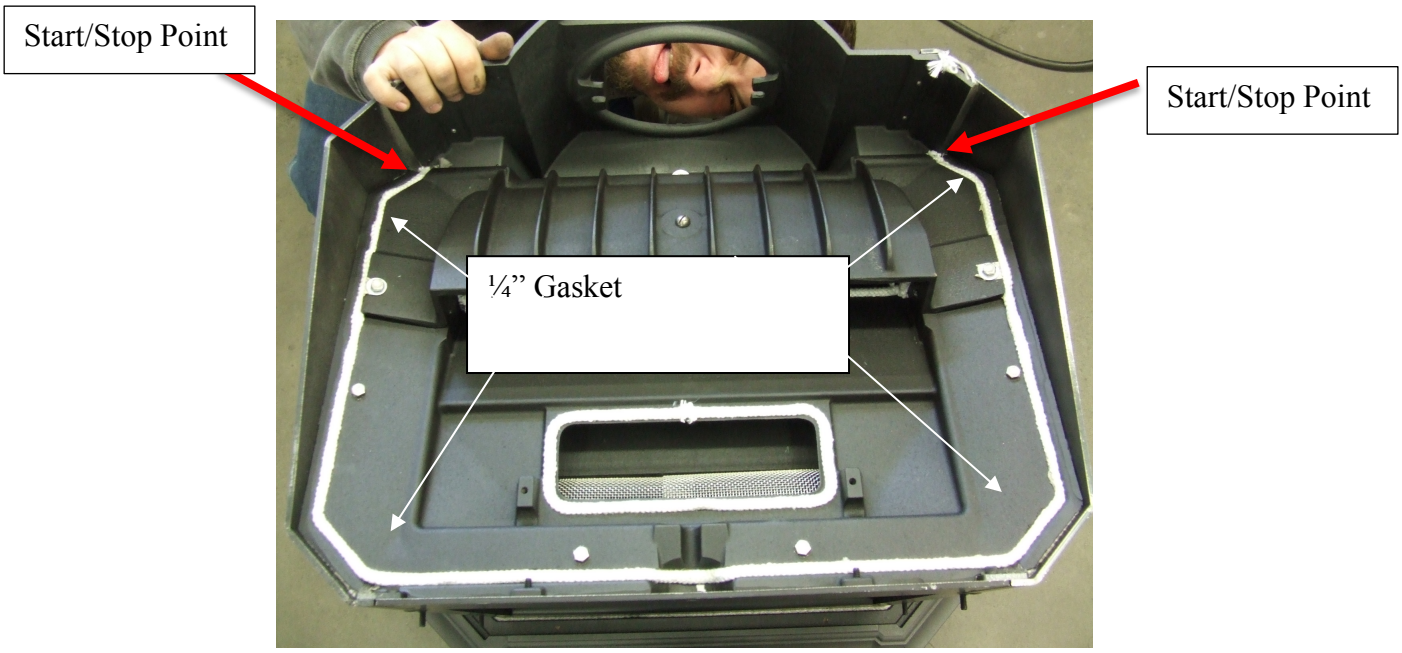
16. Place a bead of gasket glue on the rear gasket channel of the catalyst top and install .500” gasket in this track as shown below. Use (6) pieces of masking tape to hold the gasket to the glue.



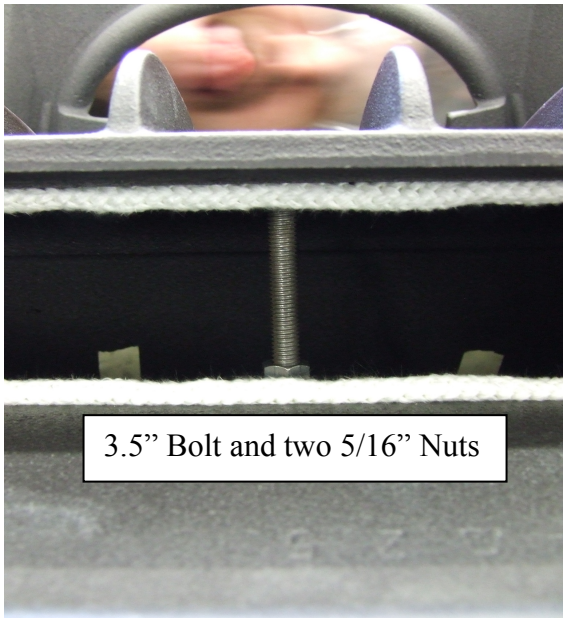
17. Lower the catalyst top (P-326) into place a secure the two side wings with (2) ¼-20 x 1" HHCS and (2) large fender washers. Secure the back using (1) ¼-20 x 1" bolt and (1) ¼" flat washer. Make sure the tab at the rear of the catalyst top is inside the lip of the rear wall as shown.

18. Tighten all the ¼-20 HHCS in the catalyst base and catalyst top.

19. Run a line of stove cement around the perimeter of the catalyst base plate with the start & stop locations. Install .250" gasket in this groove. **Note: There will be a break in the gasket at the front of the stove, where the bypass rod is installed, as a continuous piece of gasket does not fit under the bypass rod. Simply push the cut ends together under the bypass rod.**



20. Take a 5/16”-18 x 3 ½” HH Bolt and slide it through the hole in the catalyst top. Install the (2) 5/16”-18 nuts onto the bolt. Put anti-seize on the bottom of the thread and screw it into the catalyst base. Make contact on the catalyst top with the screw head and tighten only ¼ turn. Check the fit of the catalytic combustor before tightening the locking nuts.

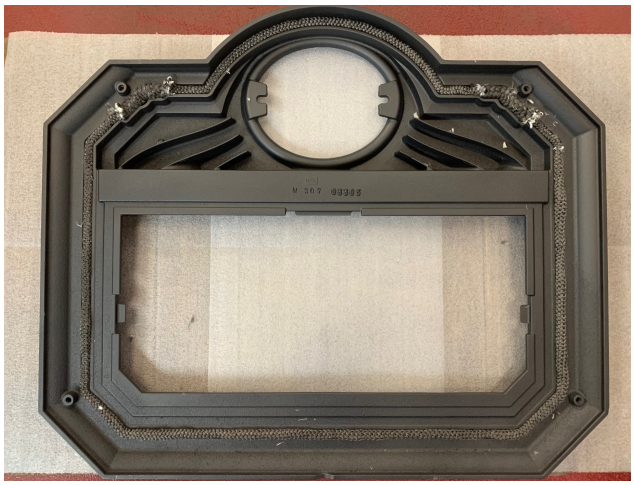


21. Trim the extra .250 gasket mentioned in step #14 to length, and glue the gasket to the sides of the inner hood/catalyst base chamber.

22. Remove the old gasket from the underside of the top cast frame that was set upside on a worksurface in step 7.

23. NOTE: No adhesive is used for the top frame gasket. Start by installing the (2) 4” pre-cut pieces of .625” gasket into the back two corners of the top cast frame. See picture below.

24. Next butt the .500 gasket up to the .625 corner gasket and lay it in the groove until you get to the second piece of .625 corner gasket. Cut the .500 gasket and butt the end to the .625” gasket. Repeat for the installation of the .500 gasket at the back of the top frame. Do not stretch the gasket as you are laying it into the channel.



25. Carefully place the top cast onto the stove body. Be sure the draw rod bosses clear the exterior stones. You will find the bosses when looking under the lip of the cast iron frame. In the following picture the cast iron bosses have been circled.

26. Insert each draw rod into the top frame and turn it about 4 full turns. It may be helpful to make a mark on the rods and count the revolutions.

27. Push down on the top cast to compress the gasket a little. Confirm it is seated evenly on the stove body.

28. Start the 5/16 nuts on each draw rod by hand.

29. Alternate between the four rods as you tighten the nuts. Make (5) half revolutions with a ratchet to start. Finish with 4-5 more half revolutions. If using a torque wrench set it to 15 foot pounds and tighten you achieve 15 foot pounds.

30. Use an 1/8” Allen wrench to tighten the set screws at the top of each cast corner.

31. Remove the rope.

32. Install the catalytic combustor

33. Place the cast iron cook top and top stones back on the top casting.

34. Allow 12-24 hours for the cement to start to cure before starting your stove.

If you have any comments to improve our products, service, and information provided in these instructions please contact us at (800) 866-4344 or info@woodstove.com. Thank you.