

## Keystone/ Palladian Top Assembly

Please read all of the instructions before you begin the procedure. Confirm that you have all of the necessary tools and materials. If you have any questions technical support is available toll free at 1-800-866-4344, Monday through Saturday 9:00 – 5:00 E.T.

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These instructions can be used for gasket replacement as well as top stone replacement. The appropriate materials will be provided depending on the circumstance.

### Tools Needed:

- 5/32" Allen wrench
- 7/16" wrench or socket
- 1/2" wrench
- Putty knife
- Wire brush

### Materials Needed:

- Materials included will depend on the procedure being performed. Replacement stone, gaskets, and gasket glue may be required.

1. Make sure the stove is cool
2. Disconnect connector pipe from the flue collar
3. Remove the four allen head bolts that hold the cover plate in place, and remove the cover plate, to access the catalytic combustor. The cover plate may be located on the stove top or at the back of the stove.



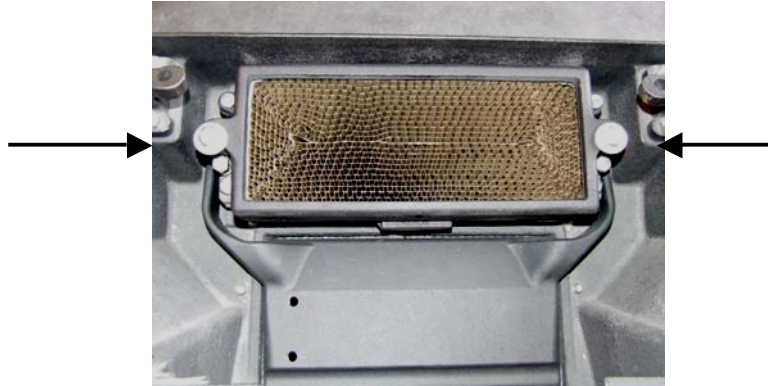
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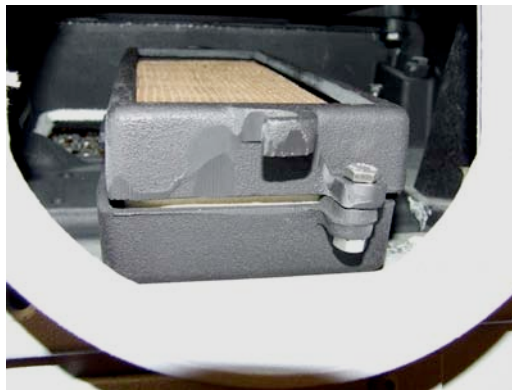
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4. Use a 7/16" wrench to remove the bolt that attaches the heat shield to the combustor assembly. Remove the heat shield from the stove.

5. If you have not already done so, use a ½” wrench to remove the shipping bolts that hold the combustor assembly in place. These bolts are only necessary when the stove is being transported and do not need to be replaced.



6. The catalytic combustor is housed in a two piece cast iron frame. It will be necessary to rotate the combustor assembly 90 degrees to remove it from the stove.



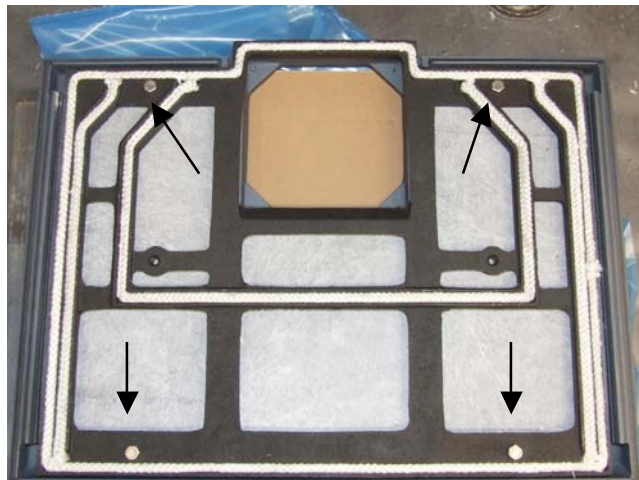
7. Locate the two bolts that fasten the top assembly to the two mounting brackets. They are found to the left and right of where the combustor assembly was located. Remove these (2) bolts with a 1/2” wrench.



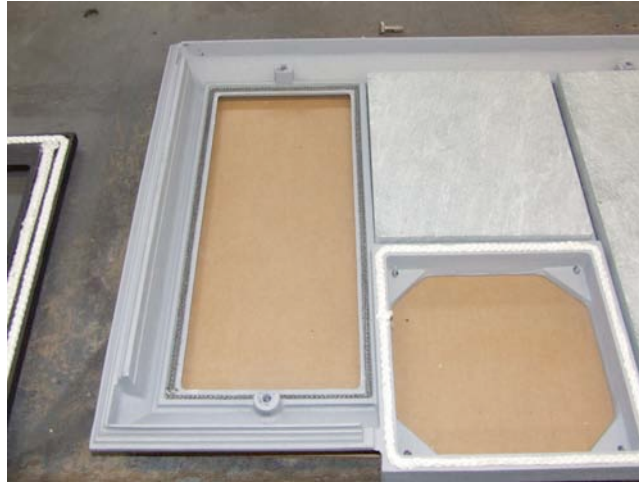
8. The top is now free from the stove. It is very heavy and care should be taken while removing it from the stove. Place it upside down on a suitable work surface.



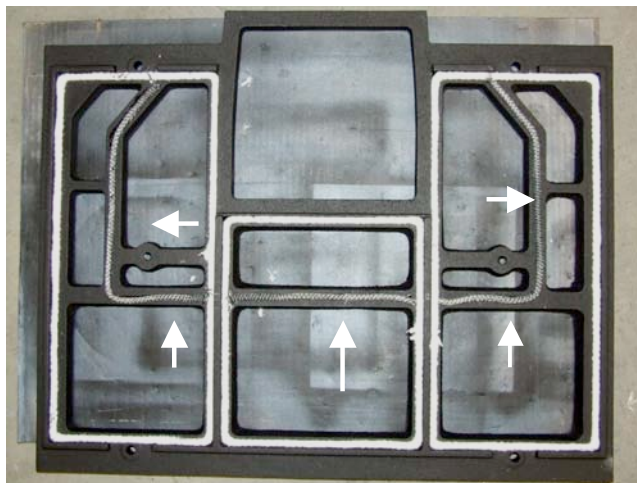
9. If you are replacing the gasket on the bottom side of the clamp frame, remove the existing gasket and clean any remaining debris from the gasket channels.
10. Apply a small bead of gasket glue to the gasket channels one at a time starting with the outside perimeter. Work the gasket into the channels starting with the outside perimeter. Press the gasket into the channels with your hands to seat it. Do not stretch or compress the gasket. Cut it slightly longer than needed to ensure a good seal.
11. If you are not replacing any other gasket or top stones, proceed to step 17
12. If you are replacing top stones you must remove the clamp frame. Use a ½” wrench or socket to remove the four bolts that secure the clamp frame to the cast iron top. Lift the clamp frame off of the stone and top.



13. Remove the desired stone. Remove the gasket that protects the stone from the top, and clean any residue from the gasket channel.



14. Apply a very small bead of gasket glue to the channel, and set the new gasket in place. Set the replacement stone in place.
15. Before returning the clamp frame to the top, confirm that the gasket between it and the stones is still in place. Pay attention to the smaller gaskets. If the gaskets are being replaced, apply a small bead of gasket glue directly onto the clamp frame. Let the glue get tacky (1-2 minutes). Gently press the gasket into the glue and let it stand for 5 minutes.



16. Place the clamp frame over the stone/top assembly. Use your hands to start the bolts that secure the clamp frame. It is very important to apply even pressure on these bolts. Use a ½” socket or wrench to tighten the bolts in a diagonal pattern until they are all snug.

17. Carefully return the top assembly to the stove. Use the indent in the rear wall as a guide to lower the top in place. Watch your fingers!



18. Start the bolts up through the mounting brackets by hand. You may need to shift the top left to right and back to front to get the bolts to line up. Once started, use a ½” wrench to tighten each bolt a little bit at a time. Alternate between the two bolts until they are tight.
19. Return the combustor and heat shield to the stove.
20. Install the cover plate and connector pipe.
21. Enjoy your stove.

**We need your help!** Woodstock Soapstone Co. takes pride in providing the highest quality products as well as the best customer service in our industry. We welcome your suggestions and input to help us achieve these goals. 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](mailto:info@woodstove.com). Thank you.

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