

## **Keystone Model 204 Palladian Model 202 Bypass Cover Replacement**

Please read all the instructions before you begin the procedure. Confirm that you have all of the necessary tools and parts required. Allow about one hour to complete the replacement. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday –Saturday 9:00 – 5:00, ET.

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### **Tools Needed:**

- 5/32” allen wrench
- 1/2” wrench
- 1/2” socket
- 7/16” wrench
- WD-40, PB Blaster, FreezeOff, or similar penetrant

### **Recommended Tools**

- Safety glasses
- Shop vac
- Flashlight or work light

### **Material List:**

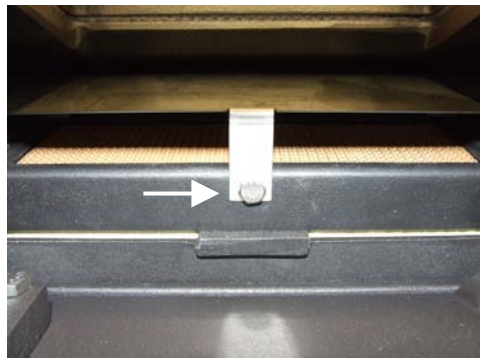
- (1) W-253 Bypass cover
- (2) 5/16”- 18 x 1" bolts
- Anti seize compound

It will be helpful to have a flashlight or work light handy for this procedure.

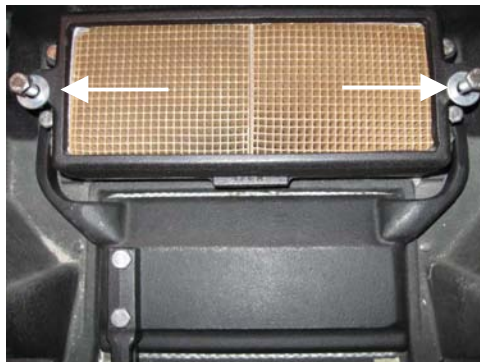
1. Make sure stove is cool.
2. Remove the cover plate from either the top or back of the stove using a 5/32” allen wrench.



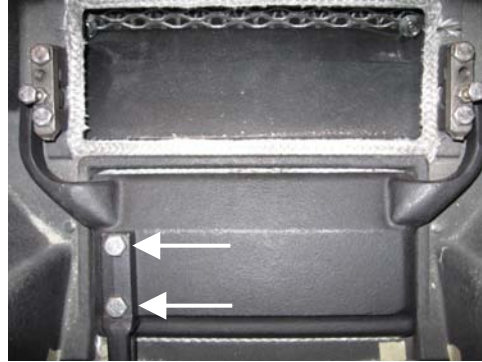
3. Remove the combustor heat shield using a 7/16" wrench or nut driver. Turn the shield 90 degrees and remove it from the stove. Remove the catalytic combustor.



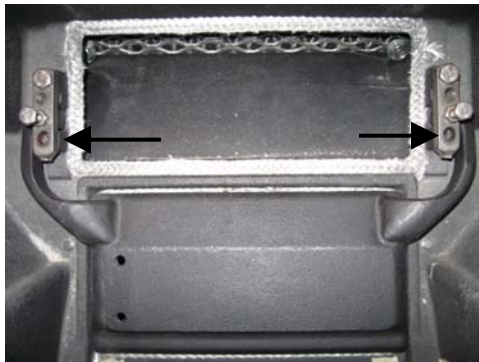
4. Pre-treat all hardware to be removed with a penetrating liquid. Let stand for 15 minutes. Do not spray penetrating liquid directly on the catalytic combustor. If you have not already done so, remove the two transport bolts that hold the combustor assembly in place using 1/2" wrench or socket. (These bolts do not need to be reinstalled as they are for transport only). Remove the combustor and frame assembly from the stove.



5. Detach the bypass lift guide by removing the two bolts that attach it to the top side of the bypass door using  $\frac{1}{2}$ " wrench or socket.



6. Completely remove the rear bolt from each of the bypass retainers, and loosen the front bolt using a  $\frac{1}{2}$ " wrench. It may be necessary to remove the center  $\frac{1}{4}$ "-20 x1" bolts, (loosen lock nuts first) using  $\frac{7}{16}$ " socket or wrench, to access them. Twist the retainers out of the way and remove the bypass cover.



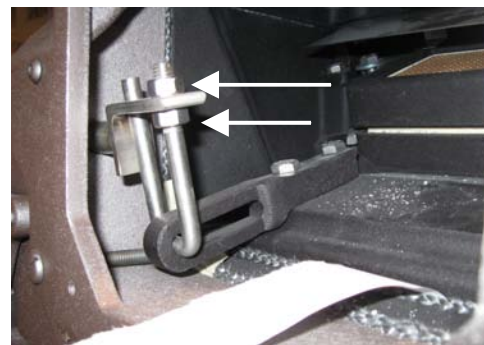
7. Place the new bypass cover into position. Apply anti seize compound to the bolt threads. Swivel the retainers back into position, and secure them with the bolts provided.



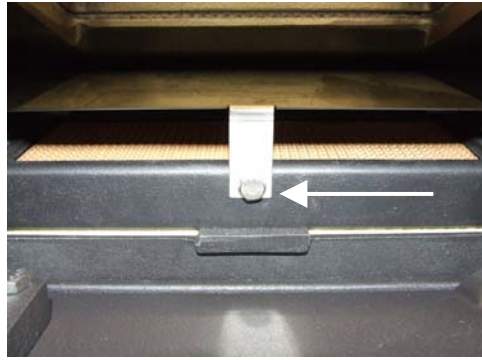
- When installing the  $\frac{1}{4}$ "-20x 1" bolt in the center of each retainer, pull the bypass door upward so that it is pressed against the under side of the retainers. With the door held in this position tighten the middle bolt until it just touches the door hinges. Now you may release the door. Tighten the bolts one full revolution using the bolt code on the bolt head for easy positioning reference. Tighten the lock nut to keep the bolts in that position.



- Attach the bypass lift guide to the bypass door using (2) 5/16-18x 1" bolts. It may be necessary to adjust the tension on the bypass door so it has a seal with the gasket underneath it. Slide a small piece of paper under the bypass door, close it, and pull the paper out. There should be resistance and the paper should curl up. To increase pressure on the bypass door, loosen the top nut on the U-bolt, and then turn the bottom nut counter clockwise. To decrease pressure on the bypass turn the bottom nut clockwise, and do the same to the top nut. Make small adjustments until the proper seal is reached.



- Place the combustor assembly back into position and place the heat shield back into position.



11. Replace the cover plate using 5/32" allen wrench.



12. 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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