

## Fireview Model 205 Combustor Pan Replacement (Pre-Assembled)

Please read all the instructions before you begin the procedure. If you have any questions please call us toll free at 1-800-866-4344, Monday –Saturday 9:00 – 5:00, EST.

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### Tools Needed:

- 7/16" socket or nut driver
- 1/2" wrench or socket
- 9/16" socket
- 5/32" allen wrench
- 1/4" gasket
- furnace cement
- large flat blade screwdriver
- caulking gun
- scissors

1. Make sure the stove is cool.
2. Remove the top lid of the stove by lifting straight up with the lid open. The hinge is not attached and the top will lift off.



3. Using a 1/2" wrench or socket, remove the two bolts and washers that hold the combustor cells and combustor frame (W-165/166) in place. (These bolts do not need to be reinstalled as they are for transport only).



4. Detach the bypass lift guide (W-178) by removing the two bolts that attach it to the top side of the bypass door (W-253). You will need a 1/2" wrench or socket.



5. Using the large flat blade screwdriver, remove the four bolts that hold the top half of the combustor assembly (air duct cover, W-163). Make a note of their positions as all the screws are not the same length. Lift the cover up and off the assembly.



6. Using a 9/16" socket remove the two nuts from the two eyebolts that hold the combustor to the vertical supports (under the combustor pan) and remove the eyebolts by tilting the eye off from the supports and pulling them downward.



7. Remove the flue collar(W-161) from the back of the stove by removing the four button head cap screws using a 5/32" allen/hex key wrench.



8. Reach into the firebox and remove the combustor scoop (W-249) and metal diffuser (W-305) by removing the single bolt that attaches it to the combustor pan scoop support (1/2" wrench or socket to loosen). Carefully slide the scoop toward the loading door and forward to completely release it. **Be very careful with the metal diffuser it is extremely sharp around the edges.**



9. From the top of the stove place one hand through the combustor port and pull the combustor pan (W-160) up and out of the stove.



10. Remove the air guide (W-172) from the front edge of the new combustor pan. It is held in with two bolts and two washers.
11. Turn the Combustor Pan upside down and run a bead of cement along the mating surfaces of the Combustor Pan (rear) and the Rear Frame (W-161) of the stove.



12. Place 1/4" gasket on top of the cement on the *Comb. Pan*. Hold it on with two pieces of masking tape. Otherwise it will fall off when it is turned right side up.

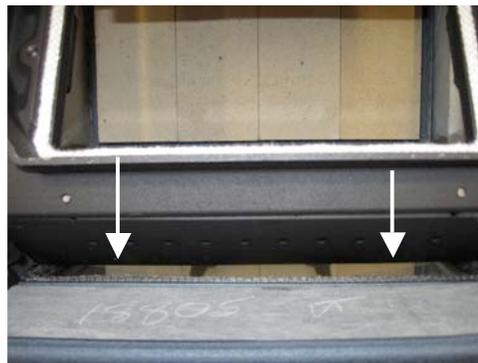


13. Reach inside the firebox and apply a generous bead of cement on the two seams on each side of the rear frame. This seam is where the vertical supports abut the rear frame.
14. Install Comb. Pan aligning it so that it is centered to the edges of the Rear Frame and make sure that the rear face of the Rear Frame and Combustor Pan is flush. The front rails of the Comb. Pan should fit inside the channel in the two front Spacers (W-175).



15. Install the eyebolts and tighten with a 9/16" socket.

16. Install the air guide with 1/4-20 X 5/8" hex bolts and washers, using a 7/16" socket or nut driver. Tighten it in place making sure there is a 1/4" gap between the guide and the window glass (a 1/4" drill bit works well as a measuring device for proper setting).



17. Run a bead of cement between the two spacers and the comb. pan, and then smooth out the cement with your finger to ensure cement gets pressed into the seams. (The size of the combustor pan varies a little. If need be, push a piece of gasket between the combustor pan and the spacer before cementing.)



18. If you are transferring your existing expanded metal diffuser than carefully remove the fastening nuts and bolts and reinstall on the new scoop. **BE VERY CAREFUL! THE EDGES ARE EXTREMELY SHARP!**



19. Place the scoop with the expanded metal upside down, with the sharp edge down, on a hard surface such as cement floor. Use the heel of your foot to apply pressure on the parts to bend the expanded metal outward so that the angle is not as sharp.



20. Slide the new scoop into the lip of the combustor pan and then slide it inward so that it sits into the two fingers. If the scoop will not go in easily it may be because the expanded metal is hitting the two bolts that fasten the cast air chute above the scoop.



In this case bend the metal more until it will fit.



21. Fasten the scoop to the single fingered support with the bolt and washer.
22. Place gasket (from plastic bag labeled "A") on all 3 air channel risers.



23. Install the air duct cover to the comb. pan. Move the cover as needed to align it with the pan.



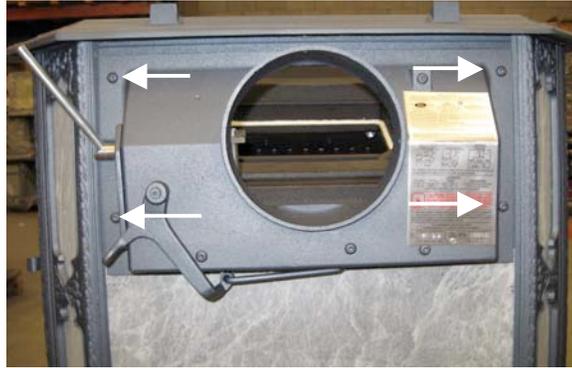
24. Install the four flat head screws into the air duct cover as follows: 2" in the right front, 4" in the left rear, and 5" into the last two, tighten.



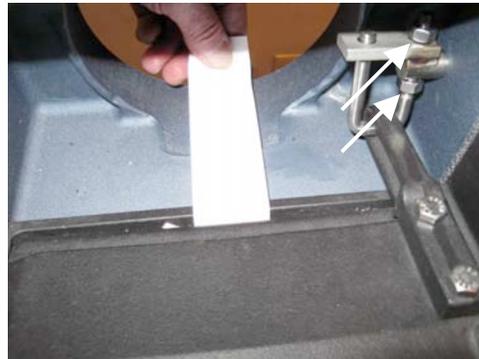
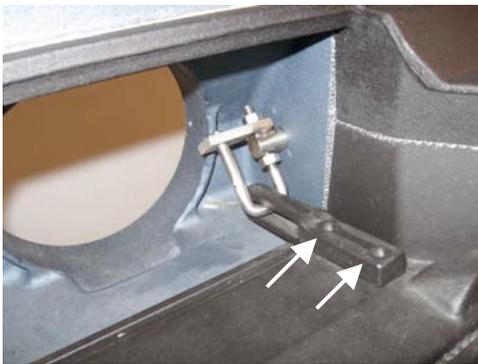
25. Replace the old cement on the flue collar with new. Replace old gasket with gasket from bag "A". Apply cement around the perimeter of the rear frame on the inside of the bolt holes where the rear frame will meet the flue collar. The bottom does not get cement.



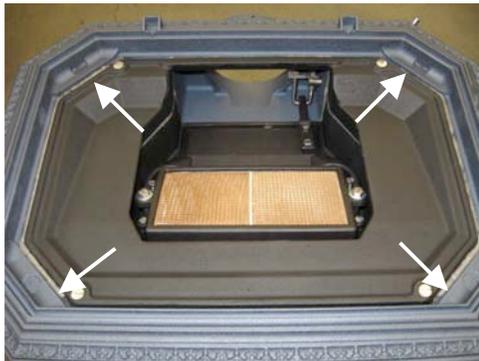
26. Apply cement to the bottom edge of the flue collar and install using the four 3/4" button head screws.



27. Attach the bypass lift guide to the bypass door using 1" stainless steel bolts and a 1/2" wrench or socket. Adjust for proper tension on the bypass door so it has a seal with the gasket underneath it. Slide a small piece of paper under it, close the bypass door, and pull the paper out. There should be resistance and the paper should curl up.



28. Apply cement in the gap around the top edge of the air duct cover and carefully place 1/4" gasket around the channel. Use 3/16" gasket in areas where the gap is too small for 1/4". If you press too hard the gasket will go through into the stove. Repaint if desired.



29. Recheck that the 1/4" gap has been maintained between the glass and air guide.  
Adjust to achieve the 1/4" gap as needed.
30. Allow the stove to cure for 48-72 hours prior to using the stove.
31. 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.

*6/10/10*