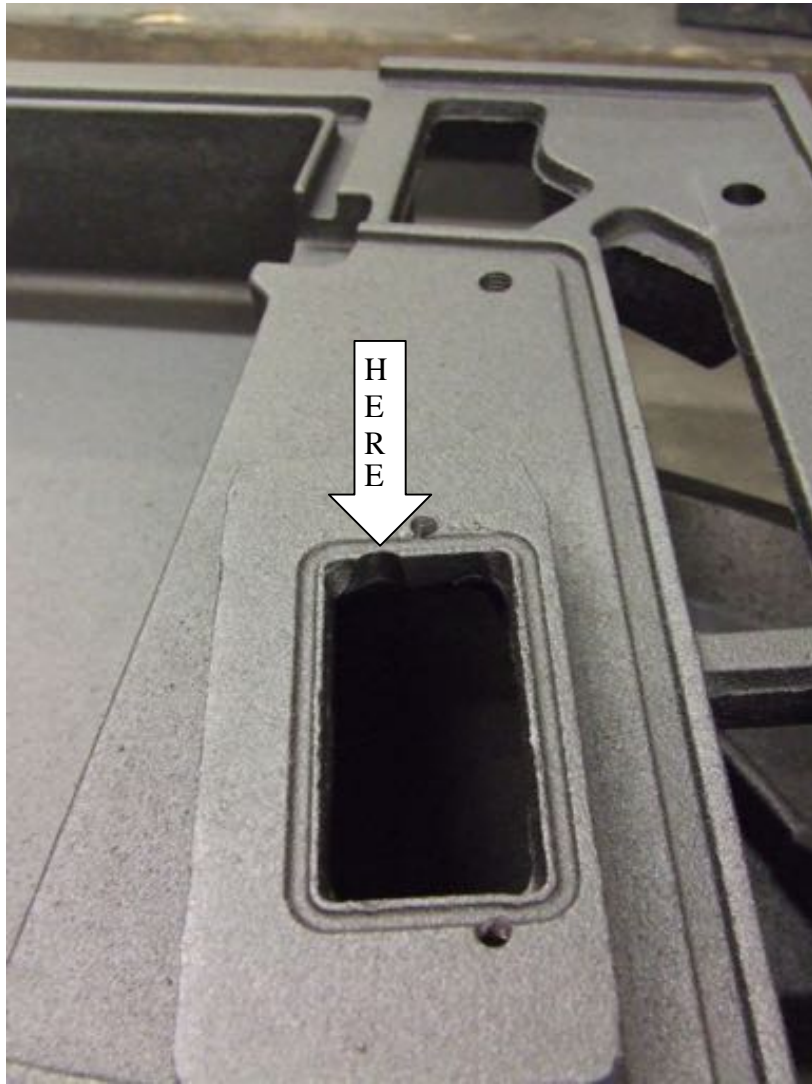


Dear Customer,

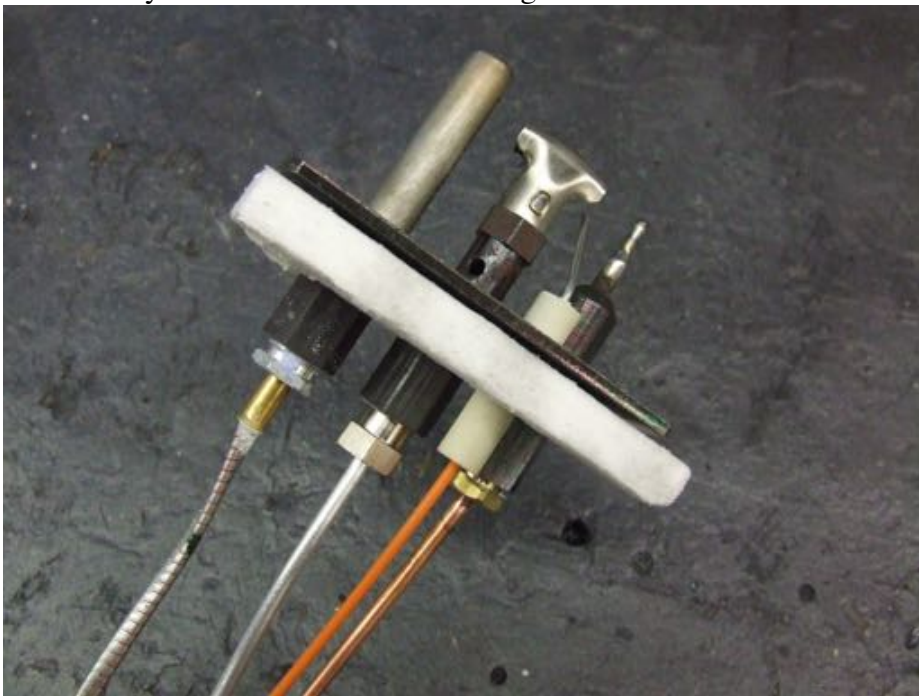
Please have your local gas technician install your new pilot assembly, check the operation of the new components, and test for any possible gas leaks on all the new connections. If the technician has any questions during the process please call us at 1-800-866-4344 for assistance, Monday-Saturday 9:00AM-5:00PM EST.

### **Changing Pilot Assembly Instructions – SIT to PSE**

1. Turn off the valve to the gas supply line.
2. Remove the front cast, the glass window, and the logset from the stove (See owner's manual for details).
3. Remove the transport screw that holds the burner pan locked in position. It is found behind the center of the glass window rail. Remove the pan by lifting it slightly at the front edge and pulling out toward the front of the firebox.
4. Remove the controller cover at the back of the stove by removing the three button head cap screws on the left of the cover using a 5/32" hex wrench and the two screws to the right of the cover with a 5/16" nut driver or regular screwdriver.
5. Disconnect the wire from the igniter button (piezo) and then lift the cover up over the control knobs and set the cover aside.
6. Disconnect the lines between the pilot assembly and the controller using 7/16" wrench for the pilot line, a 3/8" wrench for the thermocouple and a Phillips screwdriver for the thermopile leads. Pay attention to the location of each connection to be able to install the new lines properly.
7. Remove the two bolts/screws that fasten the pilot assembly to the base of the stove.
8. Straighten the wires and pull the old pilot assembly out of the stove.
9. Clean up the gasket cement from the mounting area using a putty knife. Note: If your stove does not have cement then simply skip this step as we eventually discontinued the use of cement in this area during our manufacturing process.
10. The hole in the base of the stove is too tight for the new assembly. Use a metal file on the edge of the opening toward the rear of the stove to make the opening just large enough for the new pilot assembly to fit. You should only have to remove about .150" of material. SEE PHOTO BELOW.



11. Place the pre-cut, *cement free* gasket on the bottom side of the new pilot assembly. Make sure you run each connector through the correct hole.



12. Lower the new pilot assembly into position with the Thermopile (the tall cylindrical component of the pilot assembly) toward the front of the Fireplace and the pilot hat jets directed toward the burner pan. Gently bend the lines back toward the back of the stove.

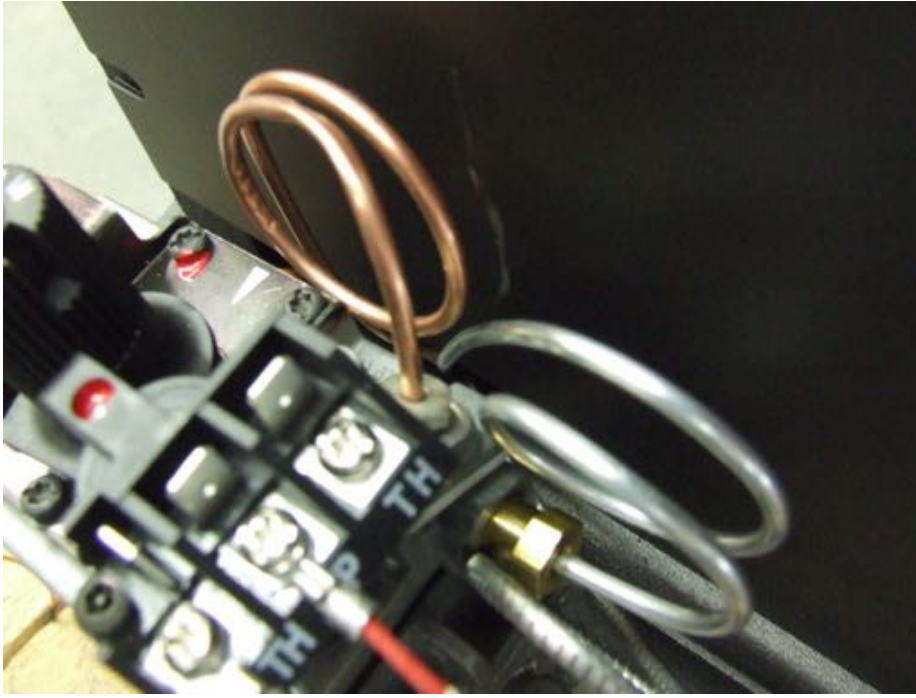
**IMPORTANT NOTE:** DO NOT install the perforated pilot shield on the new PSE assembly if your SIT pilot assembly had one. It is not necessary in the new pilot assembly. In fact due to the fact that it is too tall for the PSE assembly, it will create an obstruction between the pilot flame and the thermopile.

13. Mount the pilot assembly to the base using (2) 10-32 X 1/2" Round Head Screw. Tighten the screws until the gasket is compressed as in this next photo. Not too much or the pilot will sit too low.



14. Support the end of each line where it connects to the pilot assembly with one hand to keep the stress off from the pilot assembly and bend each one up through the opening at the rear of the stove between the back panel and the control valve. Be careful that you do not kink any of the lines as each one is critical to the operation of your stove and your safety.

15. Wrap the ends of the thermocouple line (copper) and the pilot line (aluminum) around a D-cell battery or any round object that has about a 1" diameter twice leaving the connectors at an angle that permits them to screw into the controller. Connect them to the controller using the same wrenches as before and make sure that all connections are tight, but do not over tighten. **Note: About the thermocouple. This connector is positioned at a difficult angle. DO NOT force it in as you could ruin the threads on the brass fitting. Tighten the fitting snug, but do not over tighten. Tip: When you are ready to give up on this step, walk away from the stove for a few minutes then come back and try again.**



16. Wrap the two-conductor wire in the same manner. Slide the red wire's split connector under the screw labeled TP on the controller and tighten it down. Connect the white wire to the screw labeled TP TH.
17. Slide the controller cover over the controller knobs, then connect the igniter wire to the piezo igniter and attach the controller cover panel.
18. Install the burner pan per the instructions in the owner's manual and lock it in place with the transport screw.
19. Insert the logset, install the glass window, and put the front cast back on the stove.  
*Note: The logs may have come loose from the ember bed. This is not a problem. It's Ok for them to just sit in the **correct** position.*



20. Turn the gas supply valve on and light the pilot. Check for leaks and proper spark and ignition.
21. Confirm that the center flame of the pilot is above the top surface of the pan. **If it is not DO NOT attempt to light the burner as it could result in a delayed ignition!** Confirm that the pan is sitting on its' "L" shaped rests, just inside the firebox front and retry.
22. Light the burner to confirm that the thermopile is properly functioning and allowing gas to go through the valve and into the pan when it gets warm enough.
22. Test all gas connections for leaks.
23. Contact Woodstock Soapstone Co. for any assistance during this replacement process at 1-800-866-4344.