

## Cleaning Fireside Franklin Pilot Orifice

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

### Tools Needed:

- 7/16" allen wrench
- Needle Nose Pliers
- 7/16" wrench or nut driver
- Compressed air, alcohol, or thin gauge wire

Make sure the stove is cool

1. Remove the front casting. Lift straight up under the two sets of star decorations and swing the bottom toward the front of the stove. Set aside.



2. Remove the glass front. Pull and twist the spring-loaded clips to release the glass.



3. Use a 7/16" wrench or nut driver to remove the glass retainer at the bottom front of the firebox.



4. Remove the bolt that holds the burner in place. It is at the bottom center of the firebox and will be visible once the glass retainer is removed.



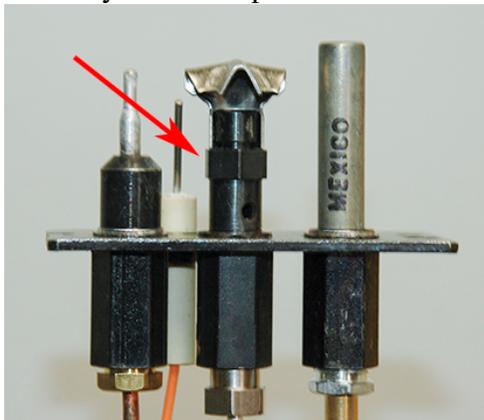
5. Very carefully remove the log set. It is very fragile and should be supported with two hands under the base. If the base of the log set is damaged the log set should be replaced.



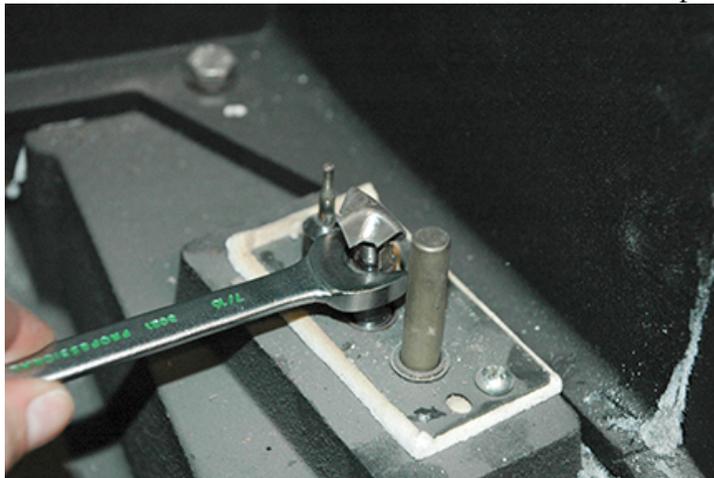
6. Lift the burner out of the firebox. Lift the front edge first then pull it up and out of the firebox. Natural gas stoves will have a narrow air shield attached to the burner.



7. The pilot assembly is located at the right side of the firebox.
8. Locate the hex nut midway down the pilot.



9. Using a 7/16" wrench turn the nut counterclockwise until the pilot starts to turn.



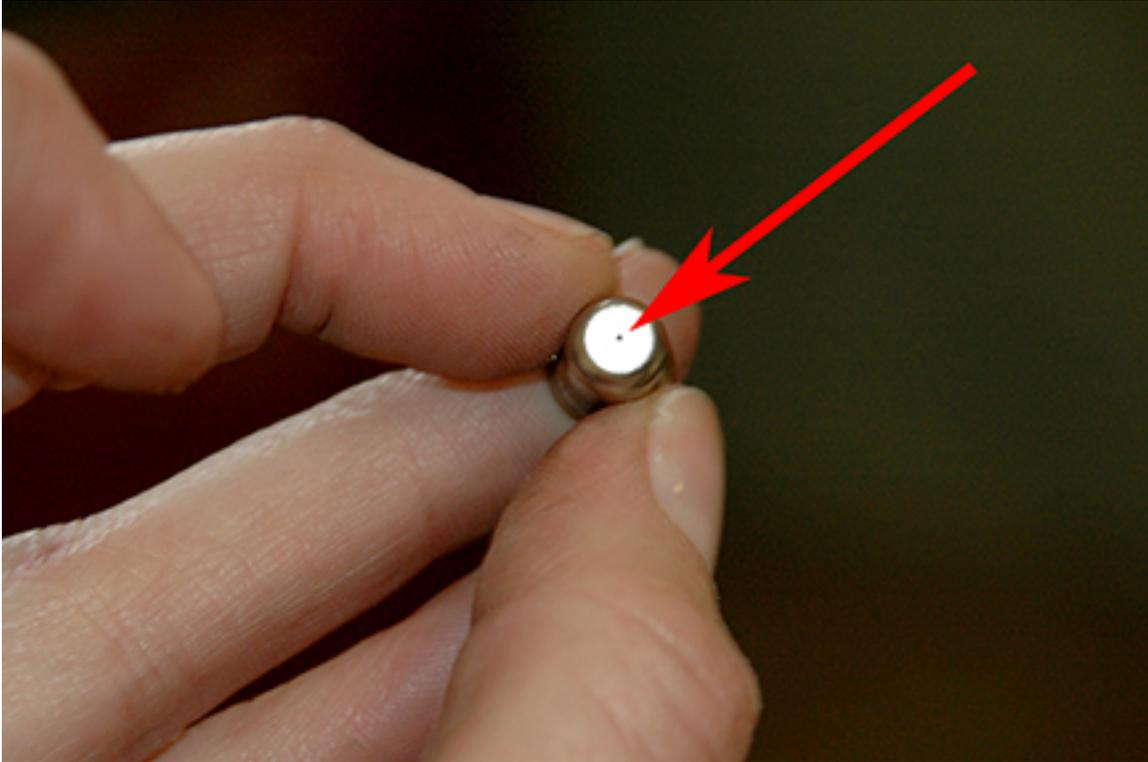
10. Continue to unscrew the pilot from the assembly until you can lift the pilot out.



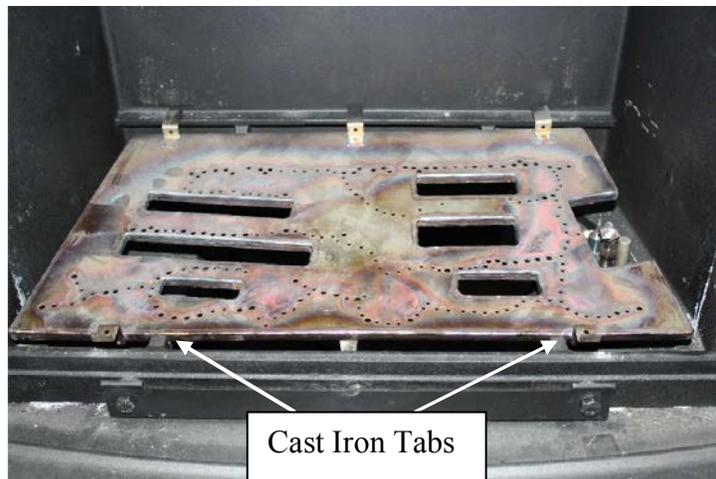
11. With the pilot removed, you will see the pilot orifice below. With your fingers or a pair of tweezers/pliers lift the pilot orifice out from the pilot assembly.



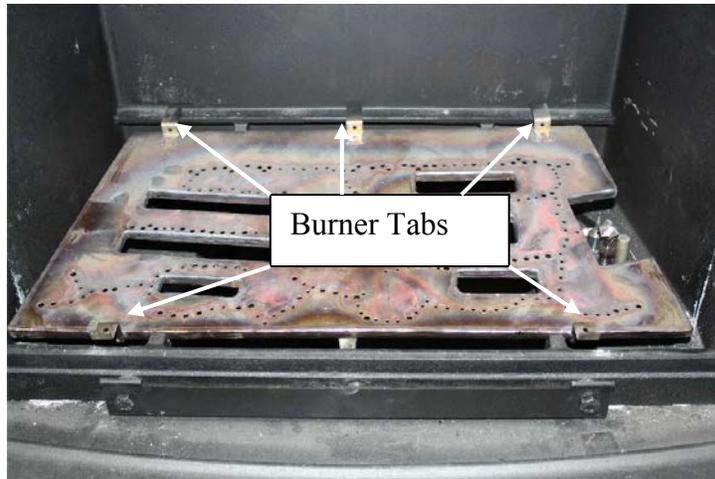
12. With the orifice out, you can inspect the orifice for clogging and clean with compressed air, alcohol, and/or a very thin gauge wire (be careful not to use a wire or pin larger than the orifice, you do not want to accidentally increase the orifice size).



13. With the orifice cleaned, place the orifice back into the pilot assembly, and screw the pilot back onto the assembly
14. Return the burner to the firebox. The venturi tube must be centered on the orifice at the rear of the firebox. When the burner is properly located there should be no side to side or up and down movement at the back edge. It should be firmly seated on the cast iron tabs in the firebox. The tabs at the front of the firebox are notched and the burner should sit down in the notches. Once in place, secure it with the bolt through the front of the firebox. (see picture on next page)



15. Install the glass retainer.
16. Very carefully return the log set to the stove. Proper placement of the log set is important to ensure good stove performance and flame appearance. The burner has five elevated tabs (three along the back edge and two along the front edge) that keep the base of the log set from resting directly on the surface of the burner. Be sure the log set is as far back in the firebox as possible. The front tabs have small vertical sections that should be visible in front of the log set base.  
**Improperly placed log sets can result in low or irregular flames as well as excessive carbon build up.**



17. Return the glass to the stove and secure it with the spring-loaded clips. It may be helpful to use needle-nosed pliers to grip the clips.
18. Return the front casting to the stove.
19. Turn on the main gas supply and test for gas leaks, operation of the pilot, and main burner.
20. Please contact Woodstock Soapstone Co. for any assistance during this replacement process at 1-800-866-4344.

**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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