

Cottage Franklin Thermocouple Replacement

This procedure should be performed by a qualified gas technician. Please read all of the instructions before you begin 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, ET.

Tools needed:

- 3/8" wrench
- 7/16" wrench and socket
- Small flat blade screwdriver
- Wire cutters

Materials needed:

- Replacement thermocouple part #PSE-019 or PSE-TC

Note: Access to the thermocouple fittings can be a challenge. While this procedure is not technically difficult, it requires a good deal of patience.

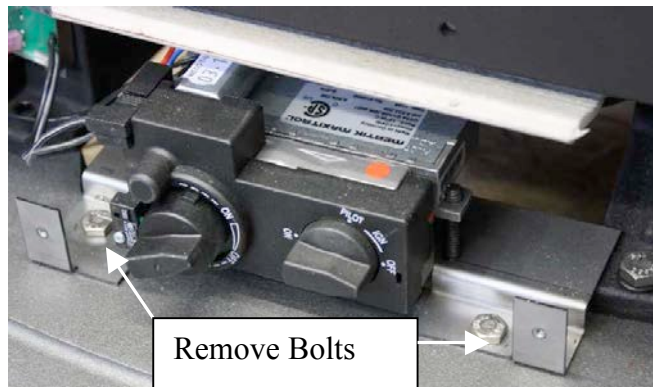
1. Make sure the stove is cool.
2. Shut off the gas supply to the stove.
3. Remove the front cast iron frame. Lift it straight up and swing the bottom out away from the stove.



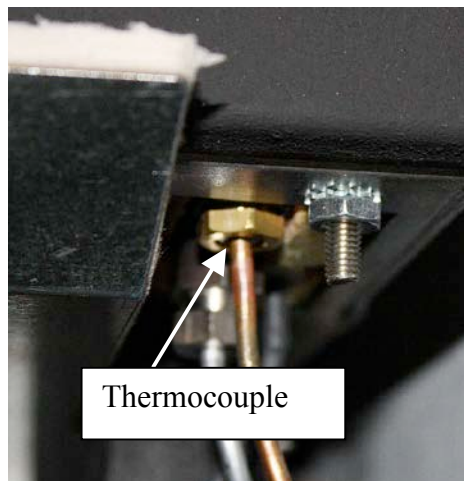
4. Use a small flat blade screwdriver to remove the two screws that secure the faceplate to the control valve.



5. Use a 7/16" wrench to remove the bolts from the control valve mounting plate. Removing these bolts will provide better access to the thermocouple fittings. You will gain a little side to side movement. DO NOT move the valve too far as this may damage the gas manifold or supply line.

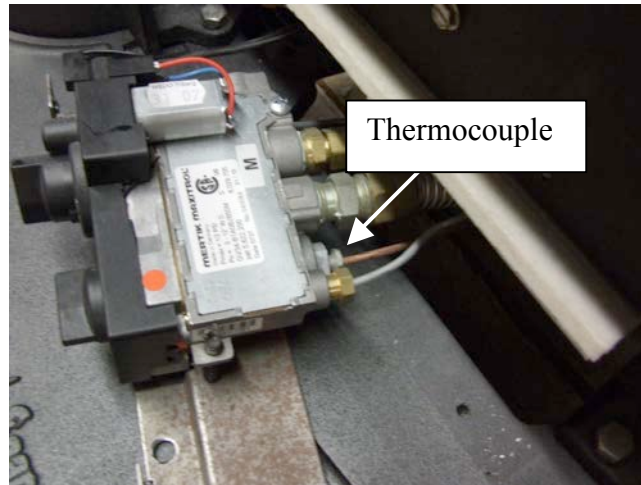


6. Locate the thermocouple at the right front corner of the firebox.



The copper colored wire from the bottom side of the pilot assembly connects the thermocouple to the back of the control valve. Use a 7/16" wrench to disconnect the thermocouple fitting under the pilot assembly. The copper wire can be cut with wire cutters for better access to the fitting. **Do Not Cut the Aluminum Pilot Gas Line!**

7. Disconnect the copper wire from the back of the control valve with a 3/8" wrench.



8. Run the new thermocouple wire through the base of the stove following the path of the original. Thread the new fitting into the back of the gas valve *Note: 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: Making this connection properly is imperative, but it can be frustrating. If you are ready to give up, walk away from the stove, then try again in a few minutes.*
9. Install the new thermocouple up through the bottom of the pilot bracket and tighten it using a 7/16" wrench. Confirm all connections are snug but do not over tighten.
10. Secure the control valve mounting plate to the stove base.
11. Open the gas supply to the stove and confirm the pilot and burner remain lit with the new thermocouple. Turn the stove off after testing.
12. Replace the faceplate to the control valve.
13. Insert the cast front, placing the top edge in first, lifting upward and swinging the bottom edge in place.

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. Thank you.

Revised 8/11/2011