

## REPLACING THERMOCOUPLE

MODELS: 38B, 125B, 125BL, 125BS,  
125BO



### WARNING

LP & NG ARE EXTREMELY FLAMMABLE SO  
TAKE EXTRA PRECAUTIONS WHEN  
PERFORMING ANY WORK TO THE HEATER

### To remove the thermocouple from the heater:

1. Shut off gas to heater.
2. Remove front cover from heater.
3. Disconnect thermocouple lead connection at over heat sensor (located on left facing outlet pipe). Remove the flue gas sensor from the top right of the heater (newer style thermocouple)
4. Loosen pilot tube nut at its base using an 8mm wrench.
5. Remove both screws that support the pilot bracket to the front of burners. Once screws have been removed carefully lift up pilot assembly (8mm nut at base of pilot tube may need to be loosened further) and remove pilot bracket and pilot tube.
6. The pilot tube, thermocouple, and electrode are attached to the bracket. Remove screw on right side of bracket to undo securing plate. Then open bracket, remove old thermocouple and reinstall new one.
7. When reinstalling pilot bracket, first position pilot tube nut at the tube base and begin threading it by hand. Once pilot bracket is secured to front of burners tighten the pilot tube nut at the base of the tube.
8. Re-connect thermocouple lead connection to over heat sensor (ECO) on hot water pipe and reattach the flue gas sensor if applicable.
9. Turn on gas and check for a leak at the pilot tube nut by applying soap solution, then pushing in pilot lighting button. Bubbles are a sign of a leak. If no leaks replace front cover.

