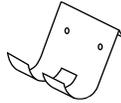




Flamecheck Safety System

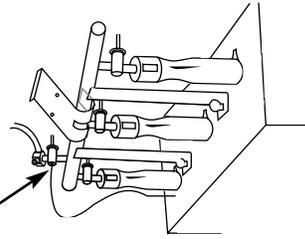
Check the Following:

1. Is the manifold support bracket in place and hooked onto the right frame?

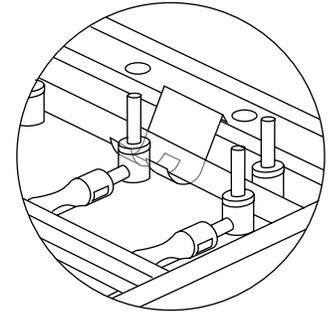


Manifold Bracket

Thermocouple capillary tube



View from below and behind cooking box



2. Check the thermocouple capillary connection. One end of the thermocouple capillary (brass tube) screws into the bottom of the FlameCheck valve.

- If there is any corrosion around the brass nut or the bottom of the FlameCheck valve, clean it off with a brush and clean cloth. Don't let any of the corrosion get on the end of the thermocouple capillary or inside the FlameCheck valve.
- Check that the brass nut holding the capillary tube into the valve is tight.
 - The nut is 8mm metric size. **Do not overtighten.**
- If it is loose, totally loosen and remove from the bottom of the valve.
 - The end of the capillary tube has a silver soldered end. Use a clean cloth and make sure it is clean. Do not touch the end with your fingers.
 - Insert into bottom of valve and tighten the nut. Correct tightening procedure is to finger tighten, then use a metric 8mm wrench and tighten 1/4 of a turn. Do not over tighten.

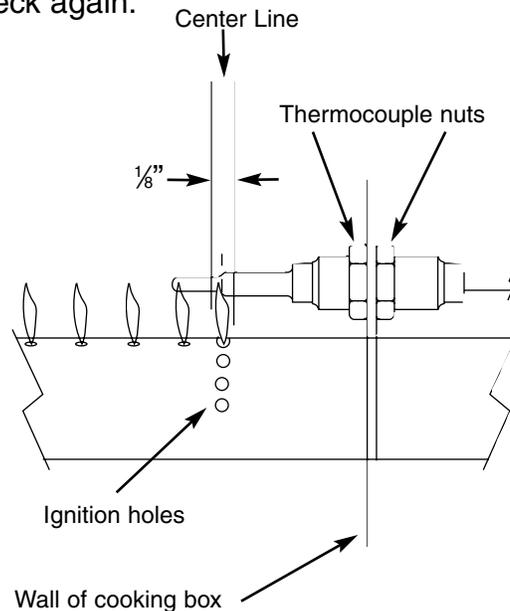
3. If the thermocouple capillary is not loose:

- Remove the Flame Check push button.
- You will see the silver button that the FlameCheck button fits over, under the control panel.
- Turn on gas supply.
- Turn front burner control knob to high.
- Use your finger and depress the silver button on top of the FlameCheck valve. (Your finger will take the place of the FlameCheck button). Hold down.
- Push the igniter.
 - Check that the front burner lights.
 - Continue to hold silver button down for 8 to 10 seconds. (The thermocouple probe on the inside of the cookbox needs to heat up to activate the FlameCheck valve, to allow gas to continue to flow once you stop depressing the silver button of the FlameCheck valve with your finger or the FlameCheck button.)
- If the grill lights and stays lit, and you can light the center and rear burners normally, the FlameCheck button may be bad and needs to be replaced. Part number 4886965.

(Continued on next page)

4. Check the adjustment of the thermocouple probe.

- a) Crucial but often overlooked. Refer to diagram below.
 - b) The thermocouple probe in the cookbox should line up with the holes in the burner tube per the diagram.
 - c) The probe transitions from one diameter to a narrower one. At the point it transitions is where it lines up over the burner holes.
 - d) If the end of the probe is too far into the flame it may give the valve a false signal and it may shut down at about 200° to 300°.
- Move the probe back slightly and check again.



ADJUSTMENT PROCEDURE FOR THE THERMOCOUPLE

Use a small adjustable wrench to loosen the nuts that hold the thermocouple unit in place, at the cooking box wall. Move the thermocouple into or out of the box, so that the center line of the tapered section of the thermocouple tip is within 3mm of the center of the holes on the burner tube. Retighten the nuts to lock the thermocouple in place.

If replacement parts are needed.

4089600 - Manifold Support Bracket

4886965 - Flamecheck Button

40827211 - Thermocouple

40827212 - Nuts (send 2)