

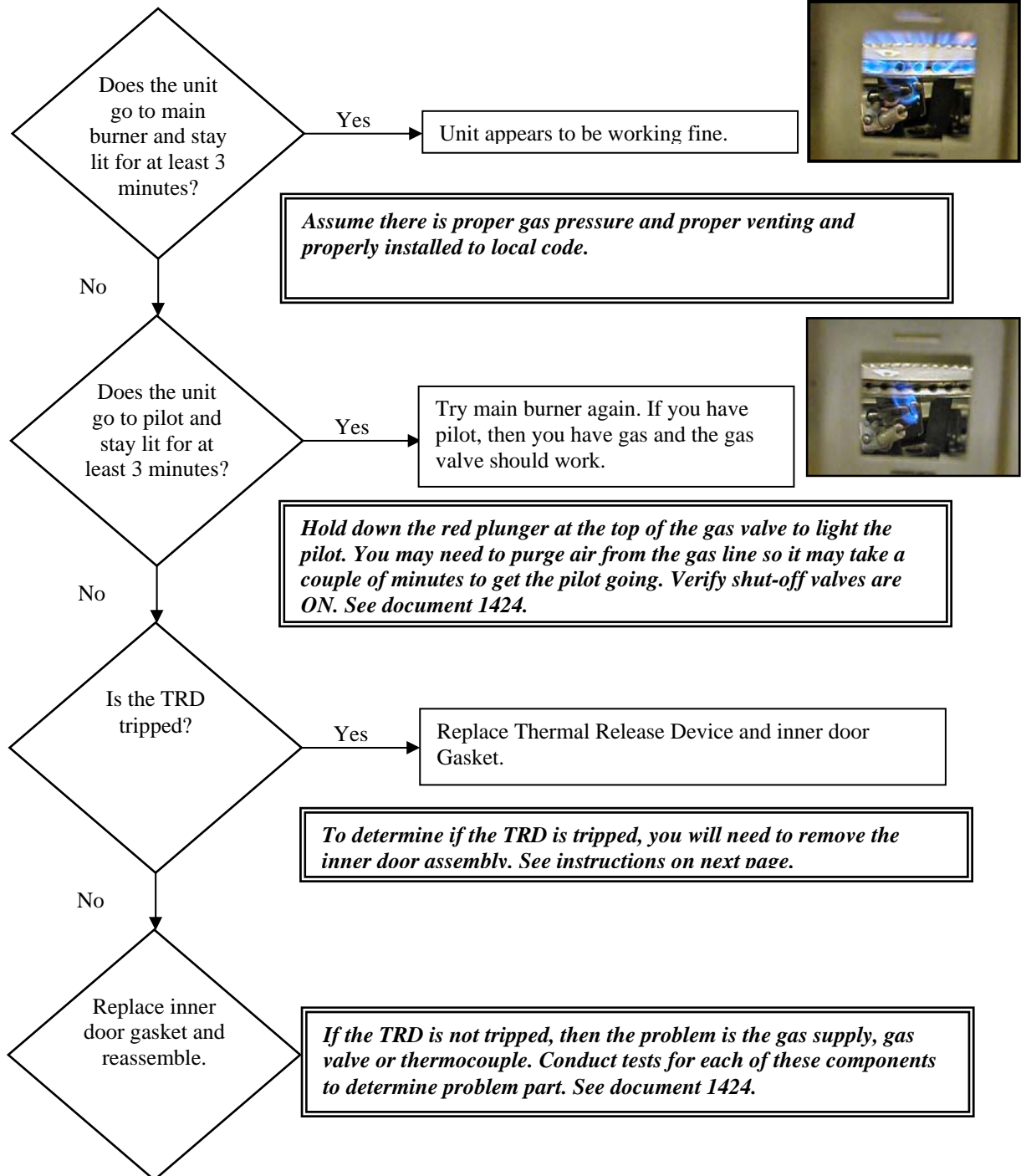


**TECHNICAL SERVICE DEPARTMENT**  
**Technical Service Bulletin**  
**1-800-432-8373**




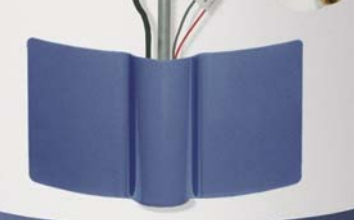

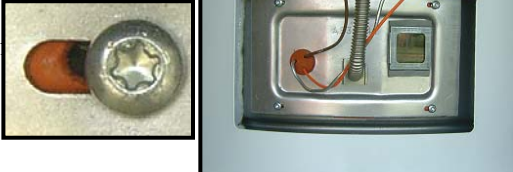

**How to Verify an Activated TRD**

This process will guide you thru the steps to determine if the TRD needs to be replaced; or there is some other mechanical problem with the Guardian Water Heater. Make sure the unit has gas; has sufficient gas pressure; and all the shut-off valves are turned ON. The shut-off valve should be parallel with the pipe; not perpendicular to the pipe.





### How to Verify an Activated TRD

<p>1. Shut off gas supply to water heater. Turn gas valve to OFF.</p>	
<p>2. Remove jacket door.</p>	
<p>3. Unscrew the pilot supply tube (7/16"), the thermocouple (3/8"), main gas supply tube (3/4"), and remove the ignitor wire from the bottom of the piezo ignitor striker.</p>	
<p>4. Remove the four tamper resistant screws at the corners of the burner. You will need a #20 size TORX head tool.</p>	
<p>5. Remove burner access door. (Gasket will be replaced during reinstallation of inner door.)</p>	



### How to Verify an Activated TRD

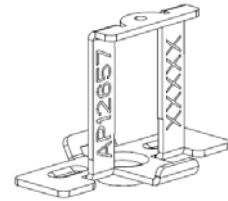
6. You can tell if the TRD has been activated. Normally, there is a small glass bulb in the assembly.



7. If the assembly has been activated, then the bulb is missing. You will also see the damper rod penetrating into the assembly.



8. Look inside the combustion chamber and locate the TRD housing. It is in the middle of the combustion chamber. Grab the housing and rotate it counter clockwise 90 degrees. Lift, remove and discard.



9. Locate the spring clip. When the TRD activated, the glass bulb link broke allowing the spring clip to free. Look under the arrestor plate if not in plain view. Discard used spring clip.



10. Order a TRD replacement kit. Do not attempt to re-assemble the water heater.