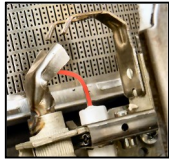






**Repositioning Igniter Rod  
Spark to Pilot to Burner systems with Honeywell Control**

Under certain circumstances, the pilot flame goes out when main burner lights. Pilot flame is lifting off the pilot orifice causing the pilot igniter/sense rod to lose flame sense/rectification. Once flame sense is lost, the control will almost immediately drop out and unit goes into retrieval and possibly soft and hard lockouts modes. The most common fault code is 6-3.



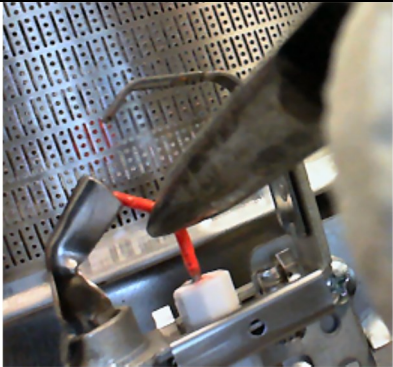
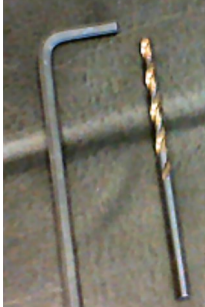



*For the sake of this technical bulletin, the igniter rod has been painted an orange color. This will allow you to see the exact positioning in accordance with the instructions.*

**Field Correction Instructions:**

|   |  |
|---|--|
| <p>1. View pilot flame through sight glass to see if igniter rod is fully engulfed in the pilot flame.</p> <p>Notice the pilot flame is riding low on the pilot hood; and the igniter rod is completely engulfed in the pilot flame. The tip of the igniter may glow red from the heat.</p> |   |
| <p>2. If not then remove burner/inner door assembly to gain access to the pilot assembly.</p> <p>Notice the pilot flame is “lifting off” the pilot hood; and is riding above the igniter rod.</p>   |  |


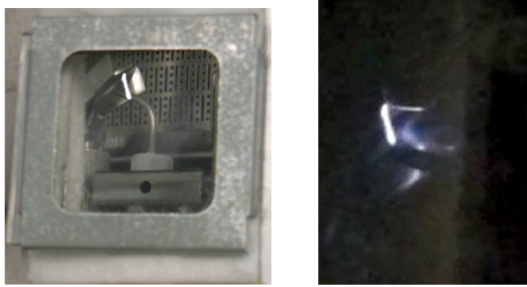




**Repositioning Igniter Rod  
Spark to Pilot to Burner systems with Honeywell Control**

|  |  |
|--|--|
| <p>3. Reposition (bend) igniter rod so that it is fully engulfed in the pilot flame. Be careful not to bend in such a way that the igniter rod ceramic cracks or breaks.</p>   |    |
| <p>4. When completed, the igniter rod should be positioned in the middle of the notch (saddle) of the pilot hood; and 1/8 inch from the hood. (Use a drill bit or Allen wrench as a gauge.)</p>  |   |
| <p>5. The igniter rod should be positioned in the bottom and middle of the saddle of the pilot hood as shown here.</p>    |  |



**Repositioning Igniter Rod  
Spark to Pilot to Burner systems with Honeywell Control**

|  |  |
|--|--|
| <p>6. Replace burner/inner door assembly. Use a new door gasket if the old one breaks or falls apart.</p>  |    |
| <p>7. Initiate unit operation with the gas turned OFF and verify that igniter is sparking to the pilot hood. Turn gas back ON.</p>   |   |
| <p>8. Once pilot lights, verify that igniter rod is fully engulfed in the pilot flame during lighting and main burner operation. If not repeat steps above.</p> <p>Notice the pilot flame is riding low on the pilot hood; and the igniter rod is completely engulfed in the pilot flame. The tip of the igniter may glow red from the heat.</p> |  |
| <p>9. Verify that water heater is operating properly. Set thermostat to 120°F.</p>   |  |