

Service Bulletin

Subject: Pilot Spark Gap

Models: Tube Fryers with Electronic Ignition

03/31/2023

The pilot spark gap on tube fryers with electronic ignition may be incorrect and not ignite properly. The ignitor may be sparking off the flame sensor instead of the pilot hood.

Turn the gas valve to the off position (see Figure 1). Turn on the controller and look through the view port to see the spark (see Figure 2). The spark should be a vertical (see Figure 3) or slightly angled up spark (see Figure 4). Turn the gas valve on and view the spark. There should **NOT** be a horizontal spark (see Figure 5). If so, the pilot needs adjustment.



Figure 1

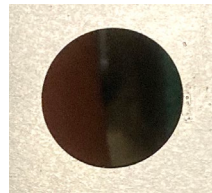


Figure 2

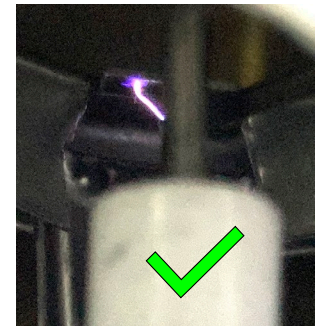


Figure 3

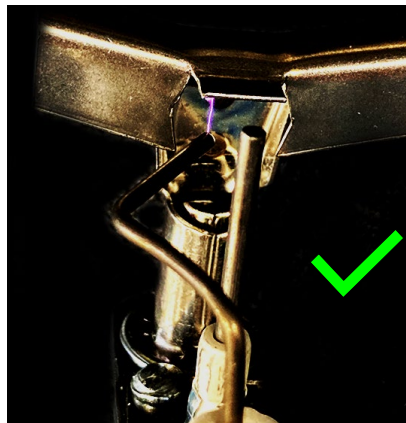


Figure 4



Figure 5

Check the pilot spark gap and ensure the gap is approximately **1/8" inch** from the ignitor to the **left corner to center of the pilot hood** (see Figure 6) and that the gap is **greater than .2"** from the flame sensor to the ignitor (see Figure 7 on the next page).

If the any of the gaps are incorrect, adjust the ignitor so that the spark is located at the green lightning bolt (pilot hood) and **NOT** the red lightning bolt (flame sensor) (see Figure 8 on the next page).

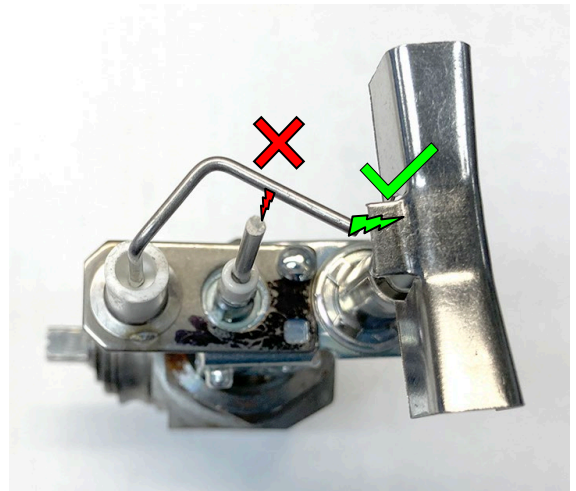
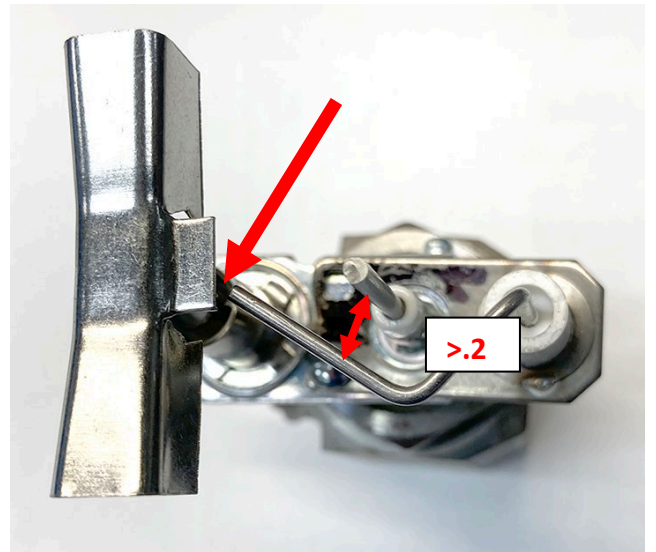
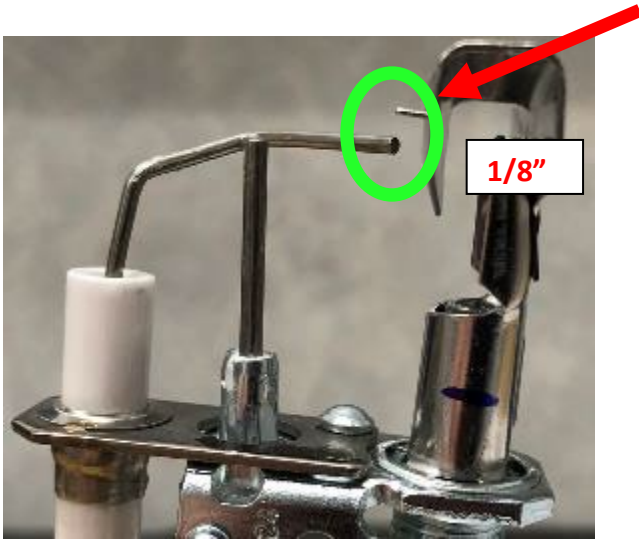


Figure 8