

Hello Everyone,

It's time for a quick "Real Fyre Vent-Free Refresher"-

Welcome to **ODS Pilot System 101:**

All Real Fyre Vent-Free burner systems come equipped with an **Oxygen Depletion Sensor (ODS)** to ensure safe indoor operation. Here's how it works:



- **Normal air** contains about **21% oxygen**.
- If oxygen drops below **18%**, it's considered unsafe.
- The **ODS pilot** operates normally at safe oxygen levels. (Figure 1)
- If oxygen levels drop at the burner, the **pilot flame will start to lift** away from the thermocouple. (Figure 2)
- When the flame lifts too far, and the oxygen level reaches 18%, the **gas valve shuts off automatically**, preventing unsafe conditions.

The ODS is a built-in safety feature you can count on.

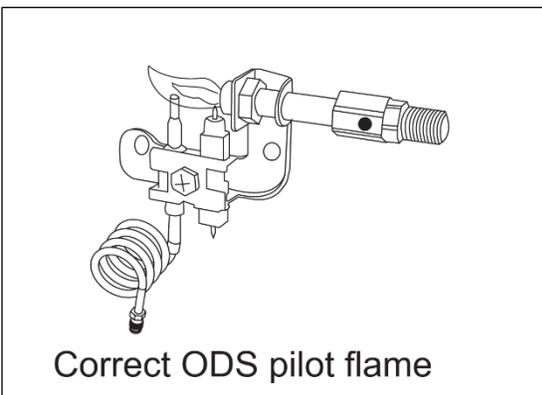


Fig. 1

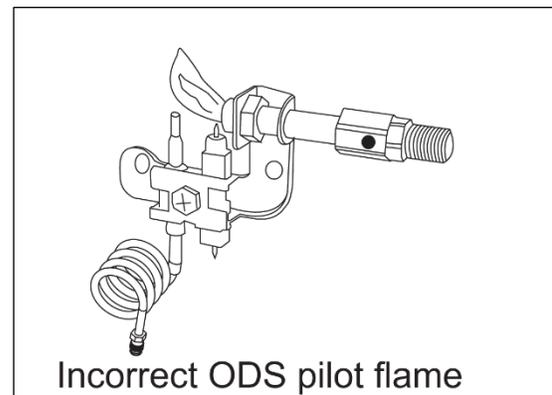


Fig. 2

Troy, Your Tech Guy