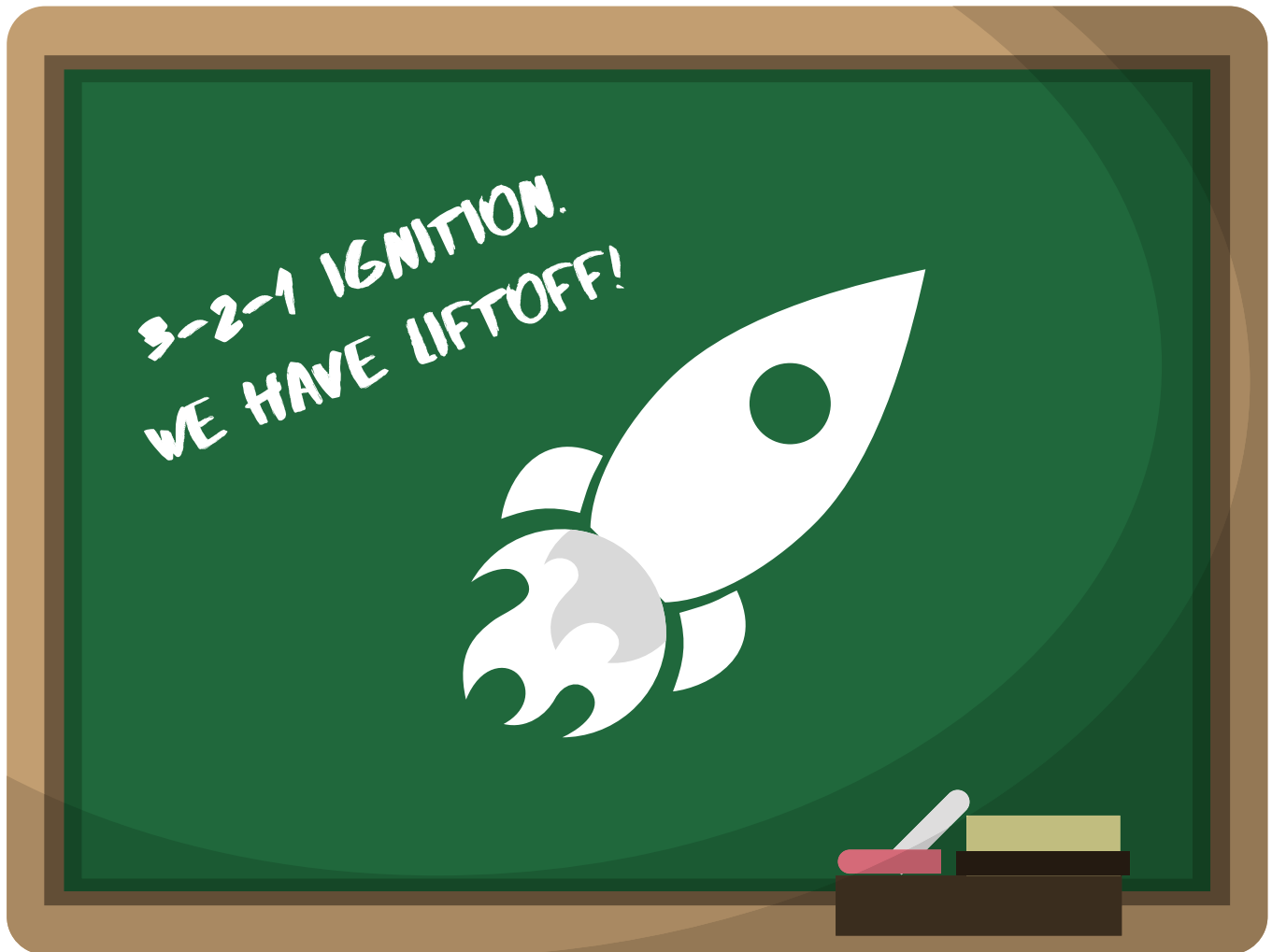


Guide to Igniter Testing



This guide is used to assist in testing, positioning, and replacing the Igniter in Comfortbilt Stoves.

**Whenever performing maintenance on your stove, ensure that the stove is cool, and that power has been disconnected.*

If you are experiencing a delay in ignition, or have excess smoking during the startup sequence, it could indicate an igniter issue.

The first variable you will want to check for is the positioning of the Igniter

Positioning

- Open the front door and remove the burn pot.
- Locate the igniter tube that sits behind the pot.



- A properly positioned igniter rod will be as directly centered as possible inside the tube, and be inset back from the opening about $\frac{3}{8}$ "



- If adjustment is required, locate the set screw that holds the igniter rod clamps in place. These are accessible through the removable side panels

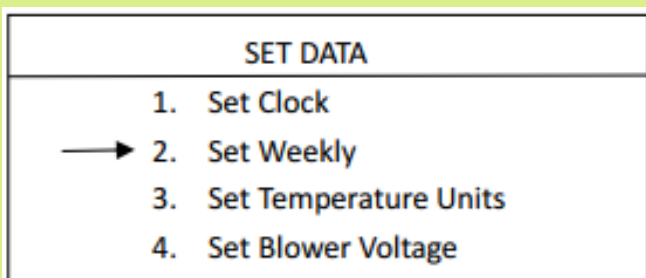


- Loosen the clamp screw using a #5 Metric Allen wrench to make adjustments
- Move igniter rod to proper depth and position.
- Tighten clamp screw

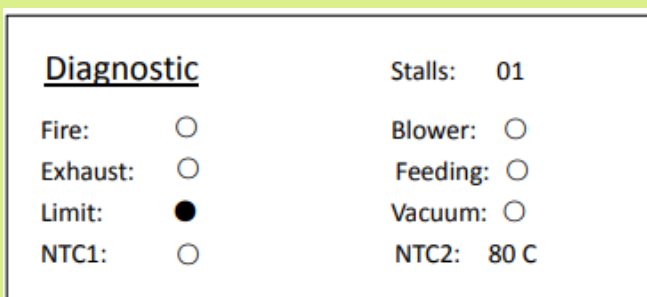
Once igniter position has been verified to be good, the next step will be to test the igniter strength using the Diagnostics menu (Restore power to access Diagnostics menu)

Diagnostics

- Press and hold the “left” arrow key for 3 seconds until “Set Data” menu appears at the top of the screen.



- Use the “Down” arrow to move the cursor to “#6 Diagnostics”
- Press the “Left” arrow to select Diagnostics menu



- Use the “Down” arrow to move the cursor next to the word “Fire”
- Press the “Left” arrow to highlight “Fire”
- Press the “Down” arrow to darken the bubble/dot next to “Fire”
- Start a timer from now. The igniter should get glowing orange inside that tube within 2 - 2½ minutes
- If the igniter fails to glow, or takes unusually long to get hot, it may indicate a weak igniter and may need replaced. *(Verify that the bubble next to the word “Fire” is still darkened)*

If Diagnostics show a weak or non-working Igniter, the next step will be to replace the faulty igniter. (Disconnect Power before handling igniter)

Replacement

- Open the front door and remove the burn pot.
- Locate the igniter tube that sits behind the pot.



- Locate the set screw that holds the igniter rod clamps in place. These are accessible through the removable side panels



- Loosen the clamp screw using a #5 Metric Allen wrench to make adjustments

- Remove the moon clamp bracket in order to allow the entire igniter rod to be pulled out through the back opening.
- Unplug the igniter rod wires from the wiring harness connectors.



- Slide the new igniter rod in from the back opening, ensure proper positioning before tightening clamp screw and reconnecting wires.