

IGNITER 3-20-677200

INSTALLATION INSTRUCTIONS

Replaces MPNs: 3-20-677200, 1-10-6620, 3-20-6783

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
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Installation Steps

1. Disconnect Power

- Ensure the unit is completely cooled down and drained of power.
- Unplug the stove from the power source.

2. Access the Unit

- Locate the igniter in the stove. The igniter is mounted inside the burn pot in the stove.
- Carefully remove the wiring access panel on the unit by removing the screws and setting them aside to access the igniter.
- The igniter can also be accessed from the front of the stove. To access the ignitor you must loosen the two wing nuts securing the burn pot clean-out cover to the bottom of the burn pot. Once both wing nuts are loosened the cover plate can be removed

3. Disconnect Wiring

- Before disconnecting anything, take clear photos of all wiring connections from multiple angles. This is the single best way to avoid mistakes during reassembly.

- Label each connector with masking tape and a marker as you remove it.
- Unplug all igniter wiring leads from the wiring harness, the igniter typically would connect to yellow and light blue wires. This part may need to be done later on some units that require the wire connectors to be accessed from the front of the stove when pulling out the igniter.
 - **Note:** Always pull on the connector body, never on the wires themselves, pulling on wires can damage the connector or break the crimp.
- On some units, there may be a small rubber grommet or a dab of high temp silicone where the ignitor wires transition to the back of the unit. Proceed to carefully remove this grommet or silicone dab to free the wires.
- If an extra length of this wire is looped together with a zip tie, proceed to **carefully** cut the zip tie and push the length toward the igniter.

4. Remove Old Igniter

- From the front of the stove, remove the two screws that hold the igniter and cradle inside the burn pot and put them to the side
- Pull the igniter assembly out of the stove until you can see the wire connections
 - Proceed to disconnect the wires from the harness as instructed in Step 3 if not already done and remove the whole assembly.
- Remove the old igniter from the cradle by twisting the two tabs that secure the flat plate of the cradle to the ignitor.
 - **Note:** Pay special attention to how the ignitor is positioned in the cradle. The replacement must be positioned in the same orientation.

5. Install New Igniter

- Insert the new igniter rod onto the cradle.
- Secure the igniter to the cradle by securing the flat plate with the tabs twisted in Step 4

6. Connect Wiring

- Using the reference photos and labels from Step 3, plug all new igniter wire leads into the wiring harness.
 - The igniter should connect to the wiring harness using both wire connectors. The wires are non-polarized, so either igniter wire lead can connect to either of the leads from the wiring harness.
- Ensure each connector is fully seated, you should feel or hear it click into place. A loose connection is the most common cause of post-installation issues.

7. Connect Power

- Secure the igniter and cradle to the burn pot with the screws removed in Step 4.
- Pull the extra wire length from Step 3 back into the stove. Secure the length with a new zip tie.
- Apply a rubber grommet or silicone dap where the igniter wires come out of the stove if removed in Step 3.
- Install the clean-out cover to the burn pot. Tighten the wingnuts to secure the cover.
- Replace the wiring access panel and secure it with the screws removed in Step 2.
- Plug the stove's power cord into the power source.
- Your new igniter is installed and ready to use.

Post-Installation Check

- Verify all connections are secure
 - Test igniter operation before closing panels. The igniter should visually glow red hot and emit heat.
 - Be careful not to touch the igniter rod while testing or operating, allow the unit to cool completely before making any adjustments.
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Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our contact form.