

THEMOCOUPLE 812-0210

INSTALLATION INSTRUCTIONS

Replaces MPNs: 812-0210

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 firepot on the stove. The firepot typically sits in the main burning area of the stove and the thermocouple is typically connected to the upper rim to the right of the burn pot.
- Open the front door of the stove to access the firepot from the top.
- Remove the ash pan from the stove to access the bottom of the burn pot.

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. This should include the wiring harness connections.

- Remove the wiring nuts and disconnect both thermocouple wiring leads from the wiring harness, these wires will typically pull forward from the hole so they can be disconnected from the area under the burn pot.

4. Remove Old Thermocouple

- Loosen the firepot's right side mounting bolt and lock nut to free the thermocouple bracket and disconnect the thermocouple assembly from the firepot
- Remove the tip of the thermocouple from the protective ceramic cover.
- Carefully pull out the old thermocouple through the slot next to the firepot.

4. Install New thermocouple

- Insert the tip of the new thermocouple through the slot next to the firepot in the stove.
- Insert the tip of the new thermocouple into the ceramic thermocouple cover.
- Position the thermocouple assembly onto the thermocouple using the thermocouple bracket.
- Secure the thermocouple by tightening the firepot bolt and lock nut loosened in Step 3. Tighten until snug, do not overtighten, as excessive force can damage the bolts.
 - Ensure the Burnopt sits flush and secure to the floor of the stove.

5. Connect Wiring

- Using the reference photos and labels from Step 3, connect all new thermocouple wire leads to the wiring harness.
 - The thermocouple MUST connect to the corresponding connectors on the wiring harness using both red and yellow wire leads.

- Ensure each connector is fully secured, you should feel the wires not moving when twisting the wire nut. A loose connection is the most common cause of post-installation issues.

6. Connect Power

- Install the ash pan to the stove.
- Close the stove's front door.
- Your new thermocouple 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.

Support

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