

THERMOCOUPLE 812-4470

INSTALLATION INSTRUCTIONS

Replaces MPNs: 812-4470

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 powersource

2. Access the Unit

- Locate the thermocouple from the stove. The thermocouple is typically located inside the burn pot area, which will require the main door to be opened.
- Carefully remove the wiring access panel on the unit by removing the screws and setting them aside
- Remove the ash pan to gain access to the thermocouple and 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. It is also advised to take a photo of how the thermocouple wiring is oriented in the underside of the burnpot for reference.

- Label each connector with masking tape and a marker as you remove it.
- Unplug the two thermocouple wire leads from the wiring terminal block.
 - **Note:** Always pull on the connector body, never on the wires themselves, pulling on wires can damage the connector or break the crimp.

4. Remove Old Thermocouple

- Carefully remove the thermocouple cover off of the thermocouple tip.
- Remove the set screw holding the thermocouple bracket in place to free the thermocouple and remove the bracket.
- Pull the thermocouple and wiring through the stove from the tipped end.

5. Install New Thermocouple

- Insert the thermocouple wiring connectors into the thermocouple hole and snake the wiring into the stove until the connectors reach the wiring terminal block.
- Secure the thermocouple to the burn pot with the thermocouple bracket and screw removed prior.
 - Approximately 1 inch of the thermocouple tip should be fed through the bracket.
- Insert the tip of the thermocouple into the thermocouple cover and set the cover onto the burnpot.

6. Connect Wiring

- Using the reference photos and labels from Step 3, plug both thermocouple wires into the wiring terminal block.
 - The wires must go to the terminals that originally correspond to the red and yellow thermocouple wires .
- 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

- Replace the wiring access panel and secure it with the screws removed in Step 2.
 - Replace the stove's ash drawer and close the main door.
 - Plug the stove's power cord into the power source.
 - Your new thermocouple is installed and ready to use.
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Post-Installation Check

- Verify all connections are secure
 - Test motor operation before closing panels
 - Check for any unusual noises or vibrations
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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.