

THEMOCOUPLE SRV7034-247

INSTALL INSTRUCTIONS

Replaces MPNs: SRV7034-247, SRV7000-334

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.
- Carefully remove the rear wiring access panel on the unit by removing the screws and setting them aside to access the thermocouple wiring.
- 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

- From the rear of the stove and 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.
- Disconnect the thermocouple wiring lead from the control panel, the wire will typically lead to a hole going to the frontside of the stove.
 - On some units, there may be a small rubber grommet or a dab of high temp silicone where the thermocouple wire transitions to the back of the unit. Proceed to carefully remove this grommet or silicone dab to free the wire.

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.
- Pull the thermocouple wiring through the rear hole in the ash pan area.

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.
- Insert the new thermocouple wire through the rear hole in the ash pan area.

5. Connect Wiring

- Using the reference photos and labels from Step 3, pull the new thermocouple wire through the hole from the rear of the stove and connect the new thermocouple wire lead to the control panel.
- Ensure the connector is fully seated, you should feel the connector click into place when inserted. A loose connection is the most common cause of post-installation issues.

6. Connect Power

- Install the ash pan to the stove.
- Install the rear wiring access panel removed in Step 2
- Close the stove's front door.
- Your new thermocouple is installed and ready to use.

Post-Installation Check

- Verify all connections are secure
- Test thermocouple operation before closing panels. The stove should stay operational without turning off or displaying an error code.
- Ensure the door is sealed during testing and operation.

Support

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