

GRILL ELECTRICAL KIT INSTALLATION INSTRUCTIONS

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
-

Installation Steps

1. Disconnect Power

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

2. Access the Unit

- Locate the controller on the grill. The controller is typically mounted inside on the hopper and connects to .
- Carefully remove the wiring access panel on the hopper by removing the screws and setting them aside to access the wiring.
 - You may need to unfasten the controller or unfasten the hopper from the burn box assembly for easier access.

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.
- Carefully cut any zip ties that secure the wiring.
- Label each connector with masking tape and a marker as you remove it.
- Unplug the wiring leads from the igniter and/or RTD probe connected to the controller. The igniter typically connects to a purple wire on the

wiring harness with a molex connector, while the RTD directly connects to the controller via the terminal block directly on the back of the controller.

- **Note:** Always pull on the connector body, never on the wires themselves, pulling on wires can damage the connector or break the crimp. For leads connected to the terminal block, loosen the set screw on the block to free the connector.

4. Remove Old Igniter & RTD Probe

Igniter:

- Remove the screws holding the burn pot to the stove and set these aside.
- Carefully pull the burn pot with the igniter out from the burn box assembly.
- Before removing the igniter, take clear photos or record the length the igniter sticks out into the inside of the burn pot. Some models require a specific length the igniter should expose in the burn pot for optimal ignition.
- Loosen the set screw holding the igniter to the burnpot's igniter sleeve.
- Gently pull the igniter out of the sleeve.
 - **Note:** Always pull on the igniter rod, never on the wires themselves, pulling on wires can risk snapping off the wires from the rod making it difficult to remove. You could also push the igniter rod in from the inside of the burn pot to get a better grip of the igniter from the other end.

RTD Probe:

- Remove any hopper-side grill grate, broiler plates and baffles from to access the RTD probe's location.
 - The RTD typically has a plate covering the probe. Remove the screws holding the plate in place and remove the plate.
- Remove the mounting screws holding the RTD in place.

- Pull the RTD out from the inside of the grill.

5. Install New Igniter & RTD Probe

Igniter:

- Insert the new igniter rod into the igniter sleeve.
 - Ensure the rod tip is sticking out inside the burn pot at the optimal length your model calls for.
- Secure the igniter rod using the set screw on the igniter sleeve. Tighten until snug, do not overtighten, as excessive force can damage the igniter rod.
- Carefully insert the igniter and burn pot assembly into the grill's burn box assembly.
- Secure the burn pot to the burn box assembly with the screws removed in Step 4.

RTD Probe:

- Insert the New RTD Probes wires through the mounting hole and secure the new RTD to the grill in the same mounting position and orientation as the old RTD with screws.
- Feed the RTD wires through the wiring hole like the old RTD wires.
- Mount the RTD plate back in place with screws

6. Connect Wiring

- Using the reference photos and labels from Step 3, plug the new controller wire leads into the wiring connections as follows:
 - The Purple & White Wire connects to the igniter (hot rod).
 - The RTD temperature probe leads need to be inserted into the terminal block on the back of the controller and secured with set screws.
- Ensure the connectors are fully seated, you should feel or hear it click into place. A loose connection is the most common cause of post-installation issues.

- Inspect the controller for any blown fuses. If replacement is required, proceed to carefully pull the old fuse out from the component and insert a new fuse.

7. Connect Power

- Install and fasten the hopper to the burn box assembly if removed prior.
 - Fasten the controller to the hopper with screws.
 - Secure any and all loose wiring with zip ties.
 - Replace the hopper wiring access panel and secure it with the screws removed in Step 2.
 - Plug the grill's power cord into the power source.
 - Your new igniter and probe is installed and ready to use.
-



Post-Installation Check

- Verify all connections are secure
 - Test controller operation before final grill assembly.
 - Ensure all wiring connections are secured and not in the way of any moving parts such as fan blades.
-



Meat Probe Operation

To use the meat probe, simply set your controller to the meat temperature setting, plug the probe into the controller port and insert the probe into the thickest part of the meat. The probe can provide a more accurate reading to ensure the meat is cooked to protect.



Support

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

Diagram

