

CONTROL CENTER 50127A INSTALLATION INSTRUCTIONS

Replaces MPNs: 50127A, 50127

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 grill from the power source.

2. Access the Unit

- Locate the controller on the grill. The igniter is typically mounted inside on the hopper.
- 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.
- Remove the 6 screws on the back of the grill and set these aside. Then carefully remove the rear heat shield from the grill to access the RTD Probe.
- Remove the grill grates, broiler parts and drip pans from the the grill in the front of the unit.

3. Disconnect Wiring & Remove Old Controller

- 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 all wiring leads connected to the controller, including the main wiring molex connector from the wiring harness and the 2 spade connectors for the RTD probe.
 - **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.
- Proceed to remove the old controller from the hopper.
- Unplug all wiring leads from the wiring harness from all connected components including the auger motor, igniter, and fan to remove the old wiring harness.

4. Remove Old RTD Probe

- The RTD Probe will have heat shields to cover the wiring, which is located in the back of the grill and on the inside of the cooking area on the hopper side. Proceed to remove the fasteners holding the old heat shield to the grill frame in the back of the grill and set these aside.
- Remove the set screw for the old RTD probe from the wire probe wire shield to remove the old RTD from this shield.
- Unfasten the old hopper-side probe wire shield from inside of the grill cooking area.
- Pull and remove RTD probe wires from the wire access hole inside of the grill's cooking area.

5. Instal New RTD Probe

- Thread the new RTD probe wires through the wire access hole inside of the grill cooking area.

- Pull the probe wire leads into the hopper wiring area.
- mount the new hopper-side wire shield to the inside of the grill unit with screws. Ensure the probe wiring is inside the shield before fastening the shield to the frame.
- Thread the new RTD probe through the hole in the new back-side probe wire shield and secure the RTD probe with set screws.
- Fasten the new backside wire shield to the grill frame with screws. Ensure the Probe wiring is inside the shield before fastening the shield to the frame.

6. Install New Controller & Connect Wiring

- Position the new controller near the mounting area.
- Pull the wiring through the mounting hole.
- Using the reference photos and labels from Step 3, plug all wiring harness wire lead connectors into the corresponding leads to the electrical components as follows:
 - Blue & White wire connectors to the draft fan.
 - Yellow & White wire connectors to the auger motor.
 - Orange & White wire leads connect to the igniter.
 - Black & White wire leads connect to the power cord.
- Plug all wire leads into the corresponding slots on the back of the new controller
 - The main wiring harness would connect to the wiring slot, and the 2 black RTD probe wiring leads should be plugged onto the 2 spade connectors on the opposite end of the controller.
 - Refer to the diagram in page 5 for further details
- 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

- 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.
 - Reinstall the rear grill heat shield with screws removed in Step 2.
 - Plug the grill's power cord into the power source.
 - Your new controller is installed and ready to use.
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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.
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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.

110V, 3.3AMP, 60HZ, 375W, 3-PRONG GROUNDED PLUG

HOPPER ACCESS PANEL

LOCATE AND REMOVE THE EIGHT SCREWS ON SIDE OF HOPPER TO ACCESS ELECTRICAL COMPONENTS

