

CONTROLLER 50125

INSTALLATION INSTRUCTIONS

Replaces MPNs: 50125, 80113

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 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.

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.

4. 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 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 RTD probe wiring leads should be plugged onto the 2 spade connectors on the opposite end of the controller.
 - Refer to the diagrams in page 4 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.

5. 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 controller 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.
-

Support

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

Diagram



Board Wire Harness Connection

AC Hot Input	Black	White
Igniter	Red	White
Fan	Blue	White
Auger Motor	Yellow	White
		AC Common

8 amp 120 Volt Fuse
Fast-Blow Cartridge Fuse

