

RTD TEMPERATURE SENSOR BAC194

Replaces MPNs: BAC194, 8028-604-8028-0, GRI70538, BAC216

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Ensure the unit has been completely emptied of pellets
 - Work in a well-lit area with proper tools
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Installation Steps

1. Disconnect Power

Unplug the unit from the power source

2. Access the Unit

- Remove the wiring access panel on the hopper.
- Remove the fastening screws holding the controller to the hopper.
- Disconnect the hipper from the burn box assembly

3. Disconnect Wiring

Disconnect the RTD probe leads from the back of the control board by loosening the set screws in the RTD terminal on the control board

Tip: you can take a photo of the wiring connections for future reference.

4. Remove Old 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 removing the plate.

- Remove the mounting screw holding the RTD in place.
- Pull the RTD out from the inside of the grill.

5. Install New Probe

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

6. Connect wiring

- Connect the new RTD wires to the RTD terminal on the controller
- Tighten the 2 screws on the terminal to secure the wires to the controller.

7. Final Assembly

- Remount the hopper assembly to both the grill and the hopper.
- Secure the Controller to the hopper with screws
- Install the wiring access panel.

8. Connect Power

Connect the grill to the power source to test.



Post-Installation Check

- Verify all connections are secure
- Ensure any loose wiring is tied up and out of the way of any moving parts
- Test motor operation before closing panels
- Check for any unusual noises or vibrations



Support

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