

CONTROL BOARD UPGRADE KIT

INSTALL INSTRUCTIONS

Replaces MPNs: 70120, 80102, AC03P3-120V

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
 - Ensure there are no pellets in the hopper assembly
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Installation Steps

When replacing electrical parts in the hopper, the wires can be found being held together with zip-ties. You can cut the zip-ties when replacing any of the following parts. We recommend replacing these zip-ties after installation to prevent the wires from tangling and to prevent any wires from being caught in moving parts such as the fan blade. **Be careful not to cut the wires when cutting off the zip-ties.**

Please note the RTD Probe may not fit in all models without modification to the grill.

Control board

1. Unplug the grill.
2. Unscrew old controller from the hopper.
3. Disconnect wires from each molex connector.
4. Connect wire to each molex connector based on the coloring chart below.
5. Screw the new control board back onto the hopper.
6. Plug the grill back into the power source.

RTD Sensor

1. Unplug the grill from the power source
2. Empty any pellets you may have in the hopper and burnerbox.
3. Unscrew hopper from the burner assembly.
4. Unscrew controller from the hopper.
5. Remove all of the cooking grids.
6. Unscrew RTD cover plate from inside the grill.

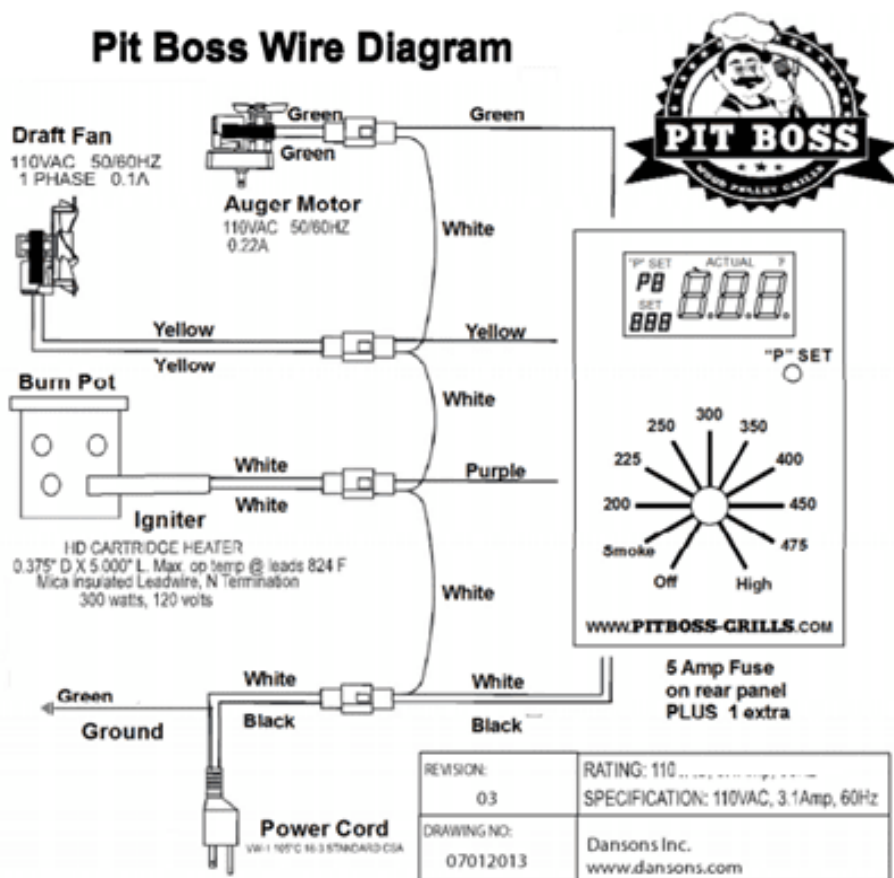
7. Unscrew RTD probe from frame inside the grill.
8. Disconnect RTD wires from the control board (loosen set screw from the green terminal block on the back of the board).
9. Pull old RTD probe and wires out of the side grill from inside the grill.
10. Thread new RTD probe wire through the frame and side of the grill. The RTD probe should be in the same position as the old RTD probe
11. Screw RTD cover plate back inside the grill.
12. Screw RTD probe wire back into the green terminal block on the back of the control board.
13. Screw the new control board back onto the hopper.
14. Screw Hopper back onto burner assembly.
15. Plug the grill back into the power source.

Wiring Color Index

- Orange/Yellow & White Wire: Connects to the draft fan (double yellow/orange wire)
- Red/Green & White Wire: Connects to the auger motor (double green/red wire)
- Purple & White Wire: Connects to the heater igniter (hot rod) (double white wire or braided wire)
- Black & White Wire: Connects to the power cord (same color)
- Single Green Wire: Power cord grounding wire
- Single Braided Wire: RTD probe wire (connects to green terminal block on the back of the board)

Diagrams:

Pit Boss Wire Diagram



✓ Post-Installation Check

- Verify all connections are secure
- Ensure all wiring is not in proximity of 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](#).