How to: Electrical Check
Maestro, Maestro Plus, Encore, Virtuoso, Preciso
Time: 5 min
Difficulty: Easy
Tools/supplies: Flat head screwdriver
Parts: n/a
Additional Resources: Case Removal (PDF/Video)

*** Unplug the grinder from power supply ***

Remove the case using our Case Removal Guide.
Inspect the interlock switch for a loose wire, and check that the switch is engaged by the adjustment ring by rotating clockwise.

Inspect the circuit board solder joints and components for signs of arcing or other damage.

Gently push and pull on the motor plug while watching the solder joints to see if they are loose.

Here, the interlock is engaged by the adjustment ring.

These solder joints are healthy - note no scorch marks or cracks.

Motor solder joints
Gently push and pull on the green PTC while watching the solder joints to see if they are loose.

Inspect the side switch for loose wires or damage.

Inspect the pulse button for loose wires or damage.

Your switch may have been heat-staked into position. This is not damage and should not affect performance.
Rotate the black adjustment ring 10 clicks clockwise. This engages the safety interlock.

Plug the grinder in and operate the side switch for approximately 10 seconds. Unplug the grinder.

DOUBLE CHECK THAT YOUR GRINDER IS UNPLUGGED BEFORE PROCEEDING

Check the temperature of the PTC CAREFULLY, as it may be extremely hot. We recommend hovering your finger above it, or wetting your finger and touching it briefly.

CAUTION! the PTC may be very hot.
Multimeter testing is not necessary or recommended for most users. However, if you are already knowledgeable and comfortable with the tool, you can try the following tests:

-The motor can be best verified with an ohm meter. Check for continuity across the motor, and rotate the motor shaft in 1/12 increments to check for any open windings

-Check for DC Voltage out of the board.

The motor should receive ~165 VDC for 120v grinders, and ~310 VDC for 220v grinders.

If you have any questions, or encounter issues with this guide, please reach out to support@baratza.com