

Barista/Maestro/Maestro Plus/Virtuoso/Preciso/Encore Electrical Check

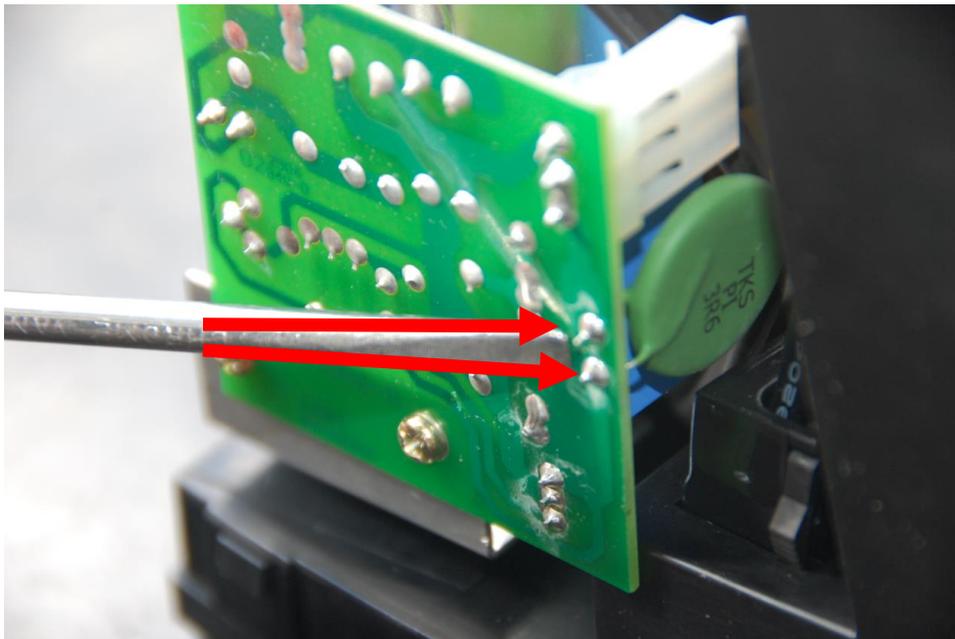
Tools needed: #2 Flathead screwdriver, Soldering iron if necessary

Remove the case from your unit (see other walk-through for assistance)

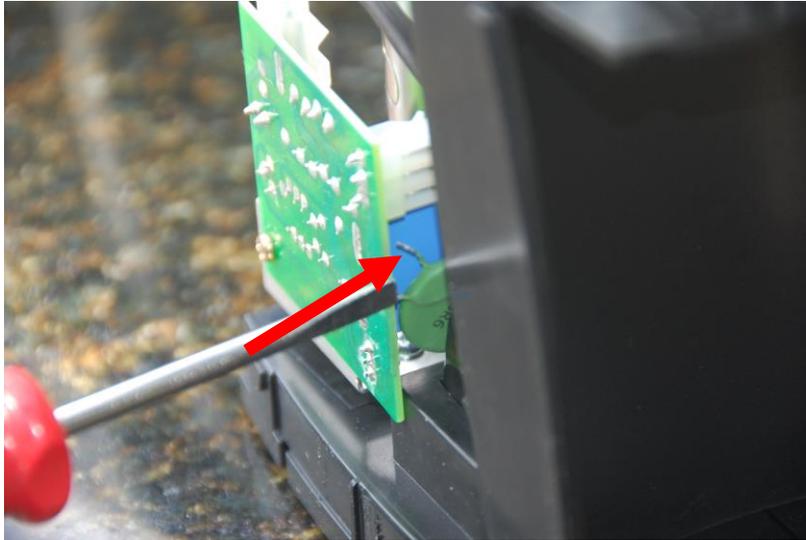
Check for disconnected wires –check all the wires, including the ones pictured



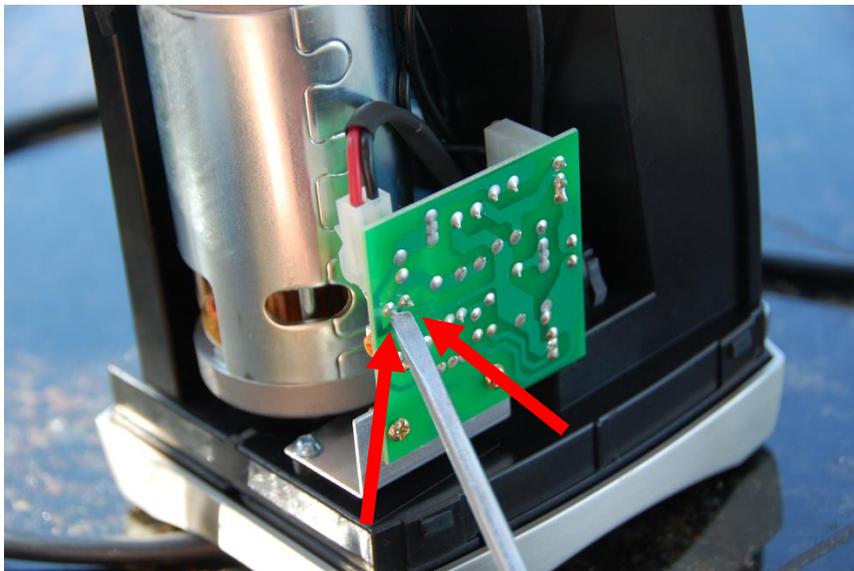
Check that the PTC thermal fuse (green disc) and other solder points are all in good shape on the board.



Below is an example of a disconnected green thermal fuse/PTC- if you are handy at soldering, the PTC is easily re attached to the circuit board.

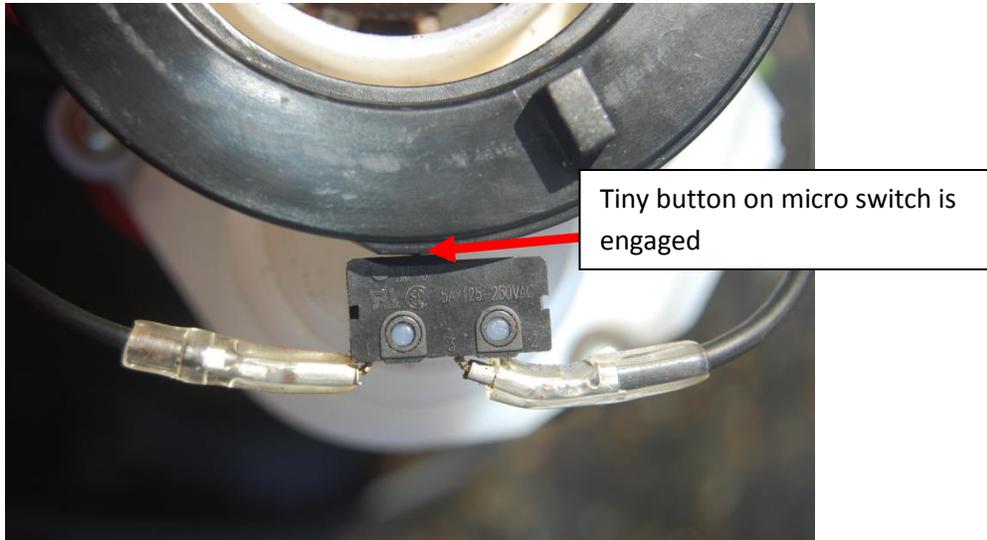


If you have a wire bundle coming out of the motor with a female connector that plugs in to the circuit board- check that the solder points are solid and not loose between the male connector and board (see below).

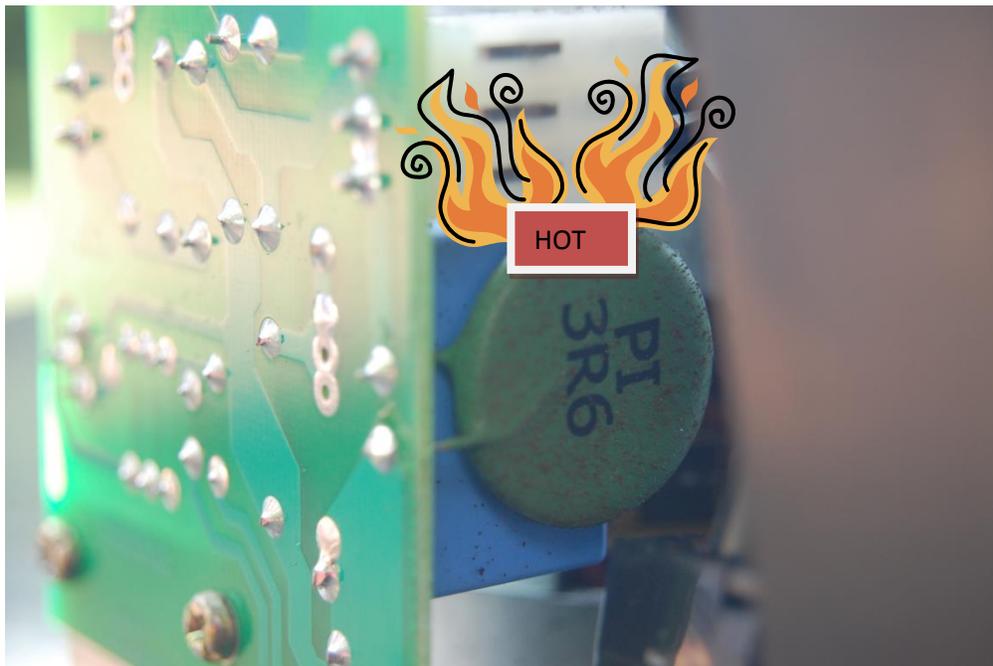


Testing the unit with the case off

Rotate the adjustment ring 5 clicks clockwise to engage the safety switch and make sure the adjustment ring is making contact with the switch and is engaging it.



Turn on the unit via the side switch or the pulse button. If there is still no power, keep the grinder in the on position and quickly touch the green PTC to check if it is hot. If the PTC is scorching hot, there may be a jam between the burrs or an issue with the motor resulting in a large current draw.

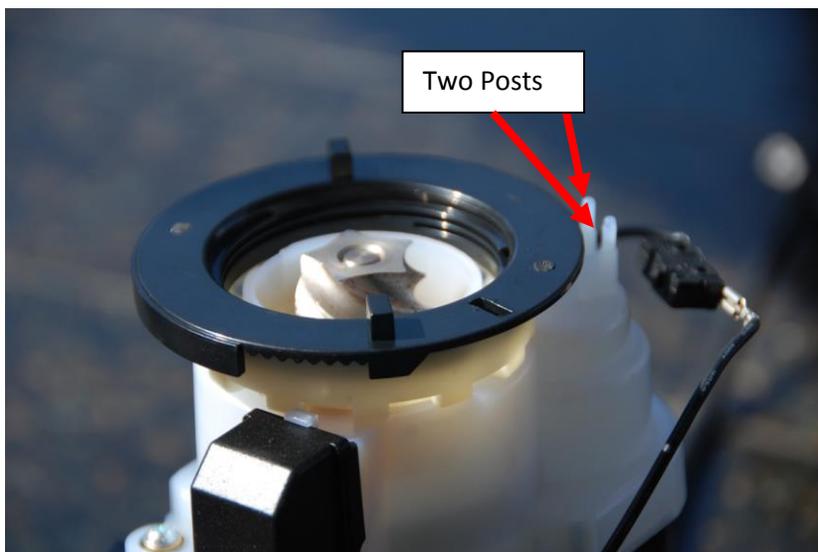


If you see an issue but cannot solder, a power board replacement is necessary. **Scroll to the bottom of this document for directions.**

If the PTC is not hot, unplug the grinder, rotate the center burr 90 degrees, and test the grinder. Repeat the procedure one more time if it still does not power up (for a full rotation of 180 degrees). We are testing to see if the motor has a bad pole with this procedure. **Scroll down for motor installation directions.**

Power Board Replacement

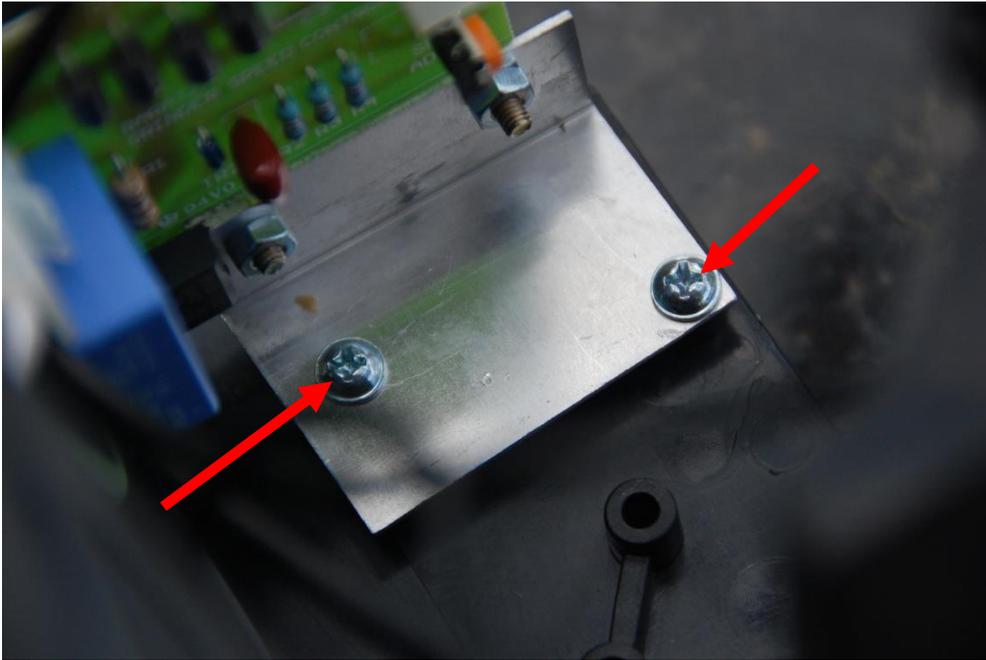
Make sure the adjustment ring is rotated fully counterclockwise. Lift the micro switch up and off the two posts, letting it dangle to the side and out of the way.



Remove the three Phillips screws holding on the gear box.



Then the two Phillips screws securing the power board are accessible. Unplug the wires, remove the two screws, and replace the board.



Plug in the connectors, ensuring that the orientation of the clip is correct.

If you have a Johnson motor, the black wire clips on to the spade clip with the dog leg (pictured below).



Re assemble with new parts and enjoy!