



ChefsChoice M677 Power Cord Replacement

If your ChefsChoice M677 electric kettle is...

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INTRODUCTION

If your ChefsChoice M677 electric kettle is struggling to turn on, you may have to replace the power cord. Use this guide to replace your power cord. Before using this guide make sure that the current cord still won't work so that you know you're fixing the right issue.

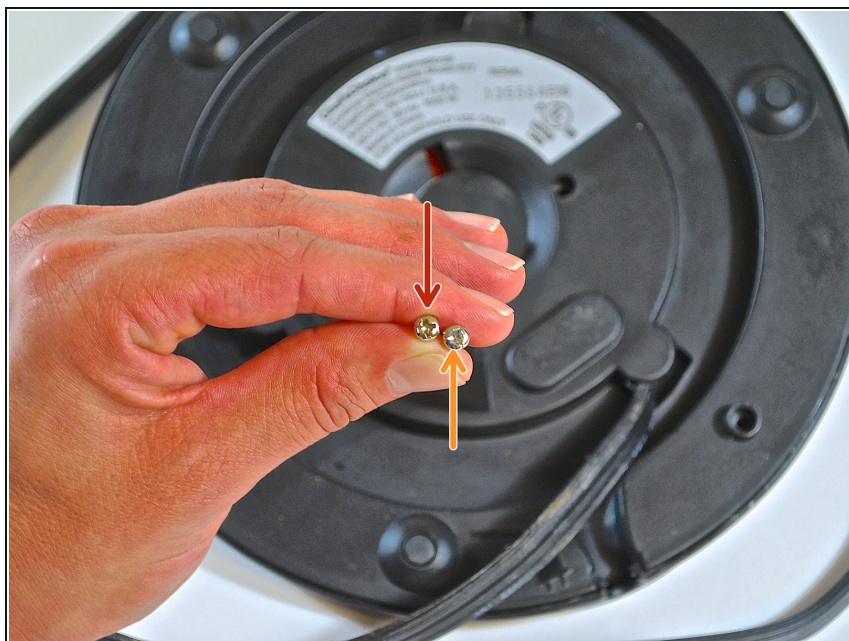
A functional power cord provides energy to your ChefsChoice Kettle and when damaged, you'll need to replace it. No need to worry as replacement is cheap and easy. Continue by following the steps to replace your power cord.


TOOLS:

Phillips #1 Screwdriver (1)

Tri-point Y1 Screwdriver (1)

Step 1 — Power Cord



 Keep in mind that there are two DIFFERENT kinds of screws on the base plate:

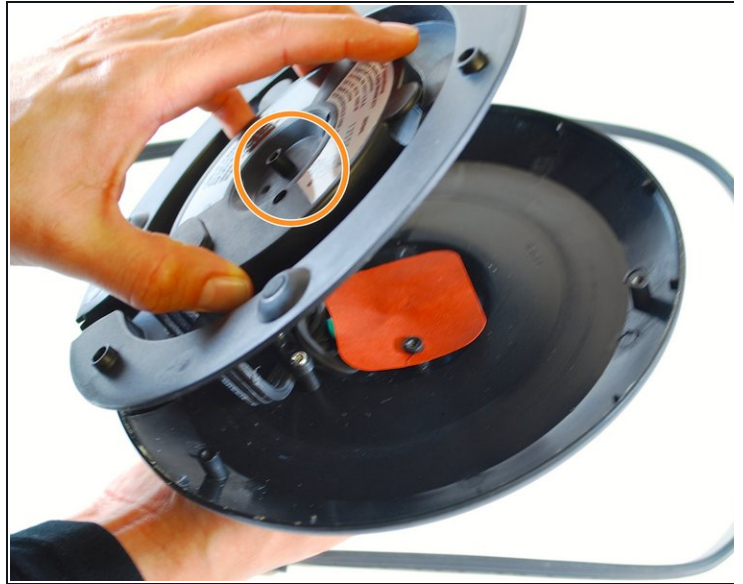
- Three 3/8" standard Phillips screws
- And one 3/8" non-standard triangular Phillips screw.

Step 2



- Remove the "K" rubber pad, then remove the three 3/8" Phillips screws from the baseplate using a #1 Phillips screwdriver.
 - Remove the non-standard Phillips screw.
- ⚠ Attempting to remove with a standard Phillips screwdriver will damage the screw head and potentially prevent its removal.

Step 3



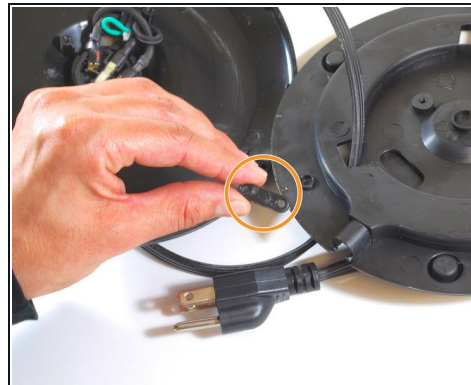
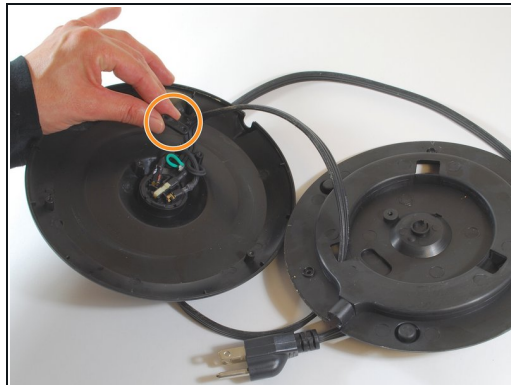
- Ensure that the cord is completely unwound from the base plate.
- Lift the base plate away from the unit.

Step 4



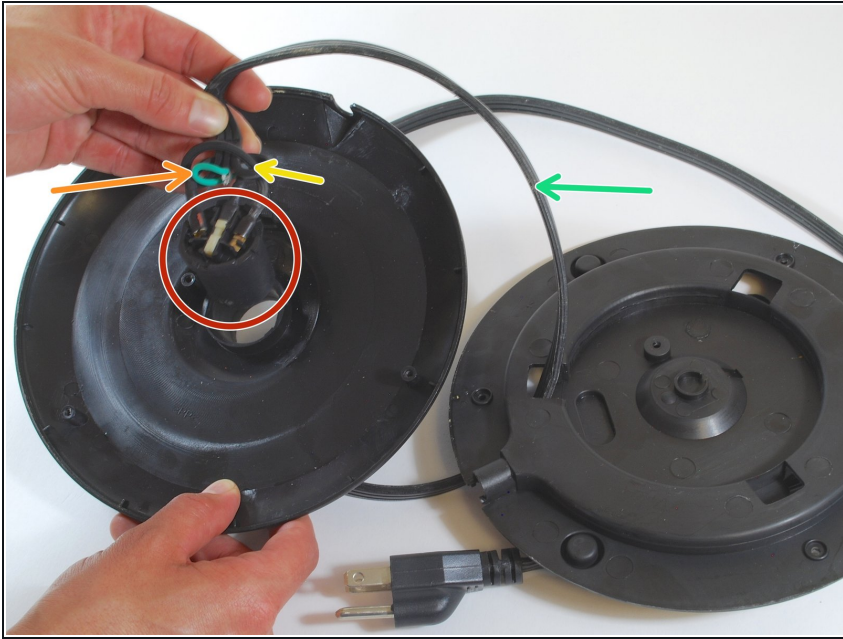
- Carefully lift the red square protector off the post holding it in place.

Step 5



- Remove the two 3/8" Phillips screws using a #1 Phillips screwdriver.
- Remove the clamp which holds the cord in place.

Step 6



- Use your hands to pull the black cylinder out from the center of the baseplate. This is the power coupling.
- ☐ Take note of the arrangement of the wires on the coupling device to aid in reassembly. If desired, mark the wires and connectors with different colored tapes.
- The GREEN wire is the 'ground' or 'protection' wire. It is connected to the center post.
- The other two wires are both BLACK. You can distinguish them by feel:
 - The smooth wire is the 'neutral' wire.
 - The ribbed wire is the 'hot' wire.

Step 7



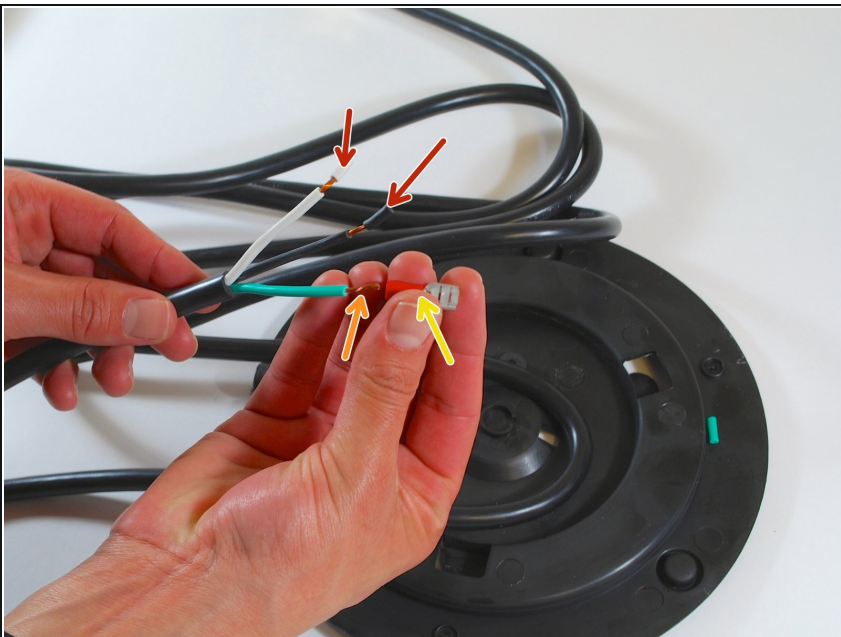
- Remove the connectors (spaded lugs) from the kettle's power coupling by gently pulling on each wire.

Step 8



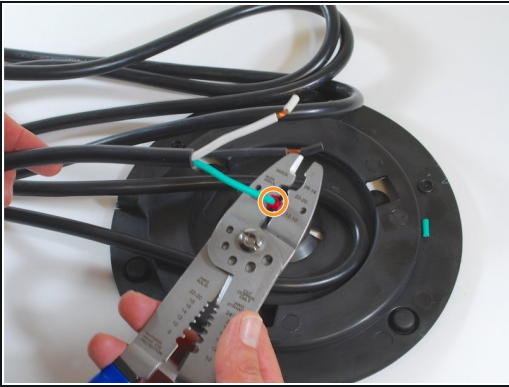
- You will need three 16-22 gauge connectors (spaded lugs). The 'gauge' number refers to the wire size the lug connector is designed to fit. These connectors will slip over the contacts on the power coupling.

Step 9



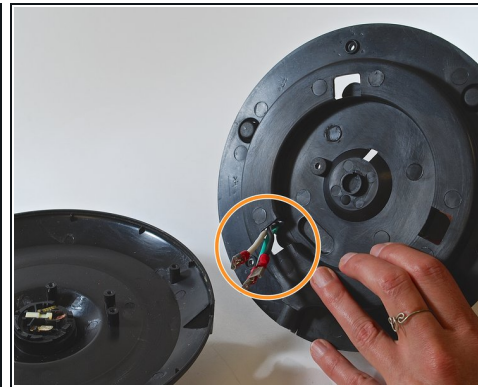
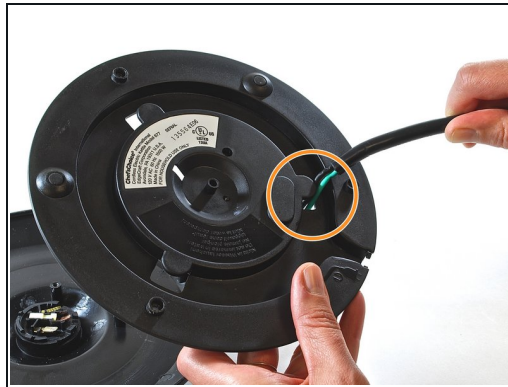
- On the replacement cord, remove the white, green, and black protective caps. By hand, affix one connector to each cord wire. Follows these steps for each wire:
 - Twist the copper strands on the wire so you can cleanly insert the wire into the connector.
 - Push the copper wiring into the connector until the insulation prevents further insertion.

Step 10



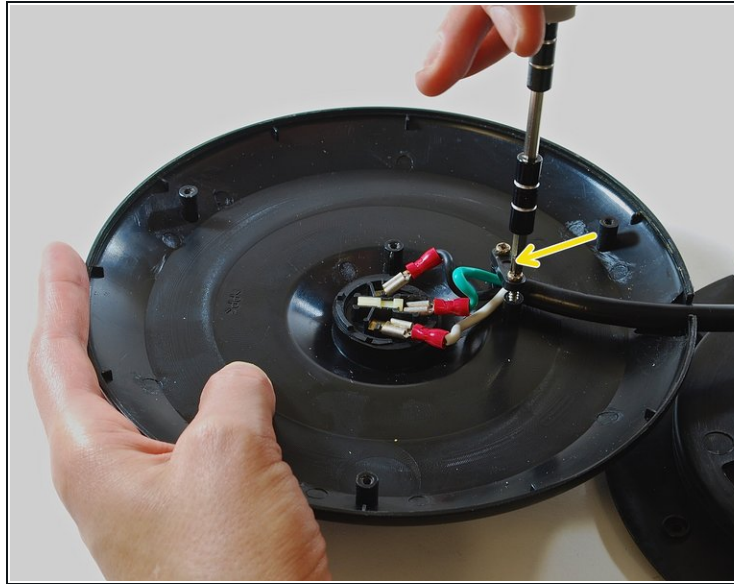
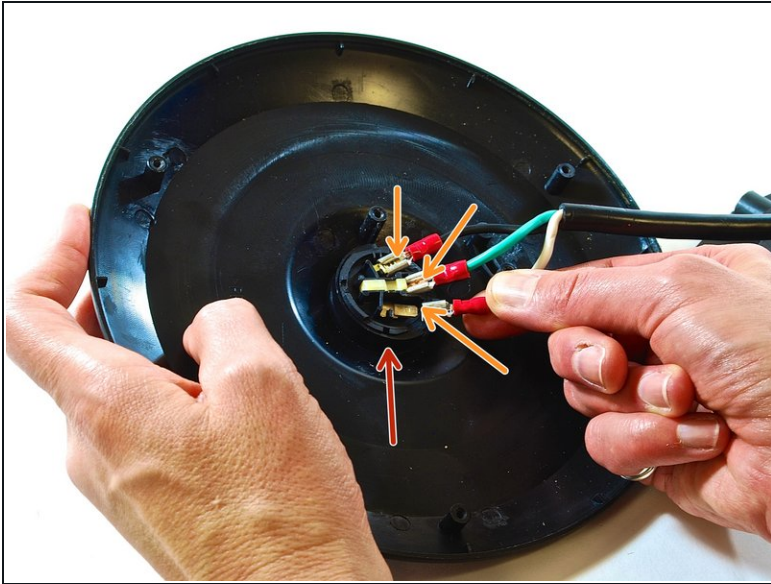
- Using the multi-tool in crimper mode (or a special crimping tool), apply pressure on the connector 'shank' where the wire was inserted.
- The ridge that you achieve by crimping should look the same as the connector shown here on the green wire. Give the connector a gentle pull to confirm it is well connected to the wire (it should not slip off).
- Repeat steps 10 and 11 for the remaining two wires requiring connectors.

Step 11



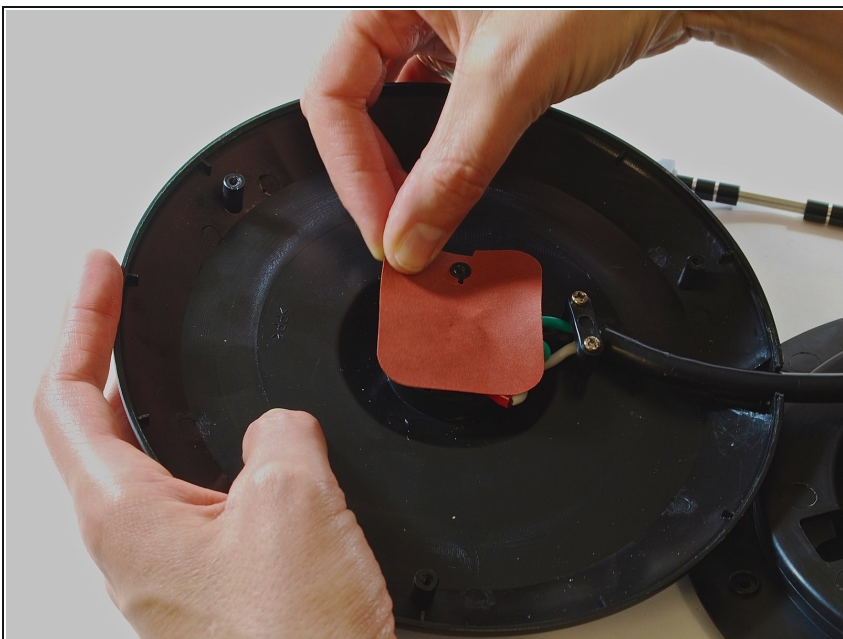
- Thread the replacement cord through the opening closest to the cord symbol on the bottom of the baseplate.
- Insert the cord until the green, white, and black wires are pushed all the way through.

Step 12



- Reinsert the power coupling (the black cylinder) through the baseplate.
- Slide the connectors into the exposed metal prongs protruding from the power coupling. This may require a little force because the connection is a tight fit.
- Reattach the black plastic oval piece in order to secure and stabilize the cord wires.

Step 13



- Replace the red square protector on top of the wiring system.

Step 14



- Align the two parts of the baseplate as shown in these two photos.
- Push or pull on the cord as needed to ensure a stable fit before inserting the screws.

Step 15



- Align the holes on the two halves of the baseplate precisely.
- Using a #1 Phillips head screwdriver, tighten the three 3/8" Phillips head screws in the holes located along the outer edge of the base plate.
- Using a #1 TRIANGULAR head screwdriver, tighten the 3/8" TRIANGULAR Phillips screw at the center of the base plate.

Step 16



- Your baseplate with the new cord attached should look similar to the one shown in the photo.