



# Ninja Coffee Bar CF086 Power Cord Replacement

A guide detailing the replacement procedure for the Ninja Coffee Bar CF086 Power Cord.

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## INTRODUCTION

The power cord conducts power to the Coffee Bar; the Coffee Bar cannot function without it, and it can be very dangerous if it is damaged. This guide describes how to replace the power cord.

### TOOLS:

- **Phillips #0 Screwdriver** (1)
- **Portable Soldering Iron** (1)
- **Slip Joint Pliers** (1)
- **Wire cutters/side cutters** (1)
- **T10 Torx Screwdriver** (1)

## Step 1 — Water Heating Element



ⓘ Make sure the Ninja Coffee Bar is unplugged and that you have a dry, clean workspace for this task.

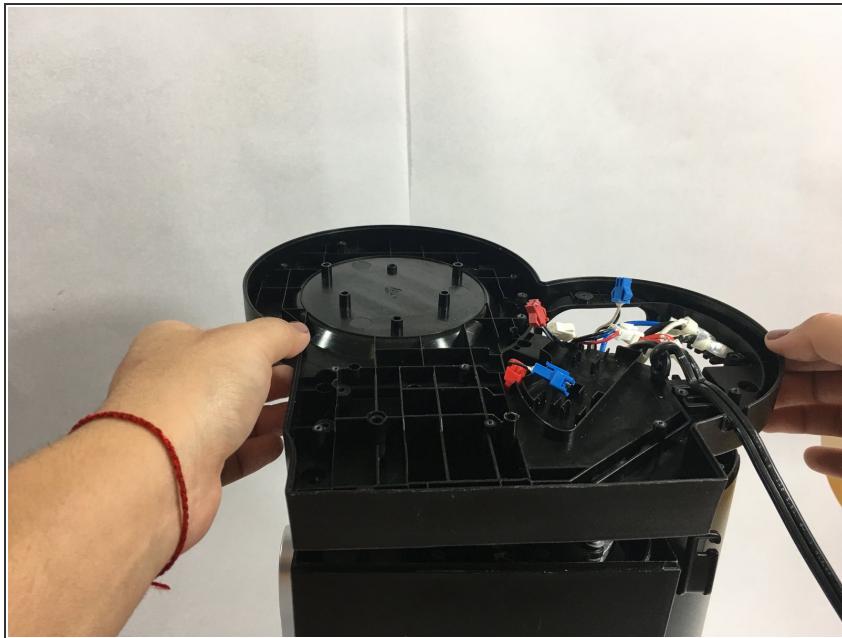
- Remove the carafe and water reservoir and set them aside.

## Step 2



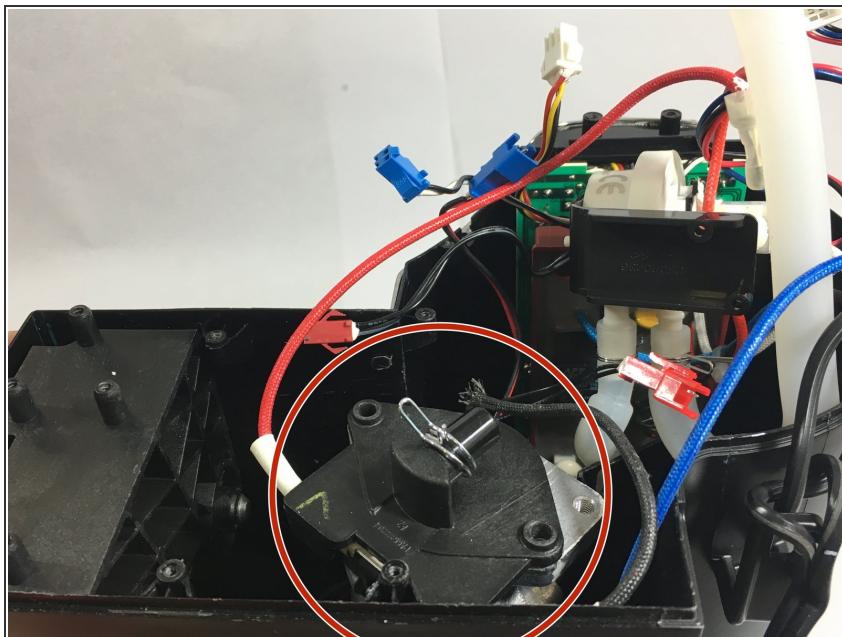
- Unscrew the T-10 screws from the bottom cover of the machine, and remove that bottom cover.

## Step 3



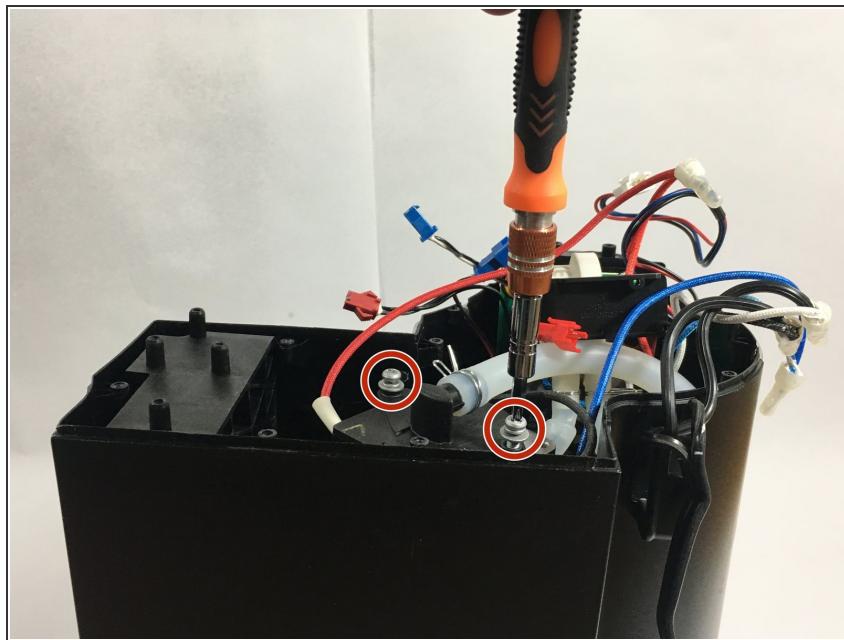
- Unscrew and remove the heating plate layer. This will expose the internal workings of the machine.

## Step 4



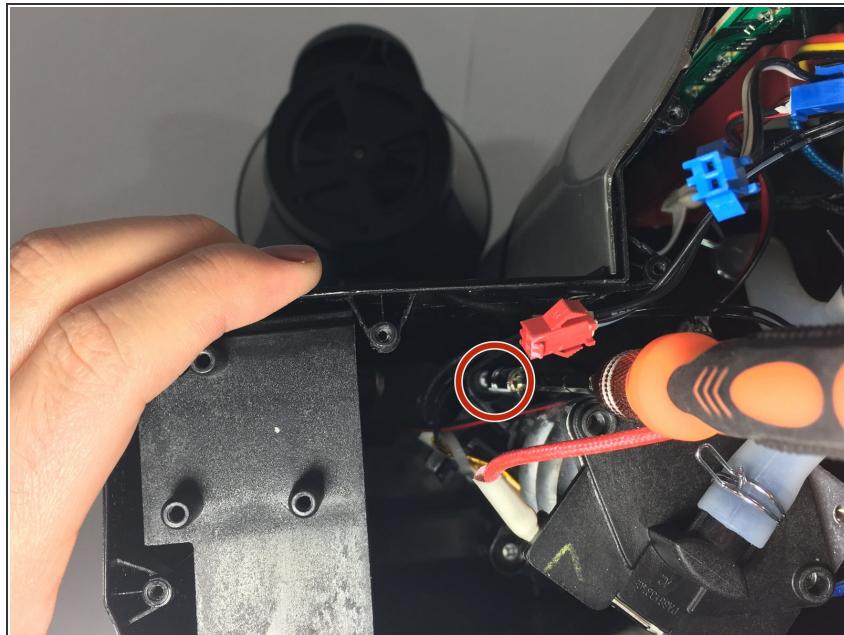
- Locate the water heating element in the interior of your coffee maker.

## Step 5



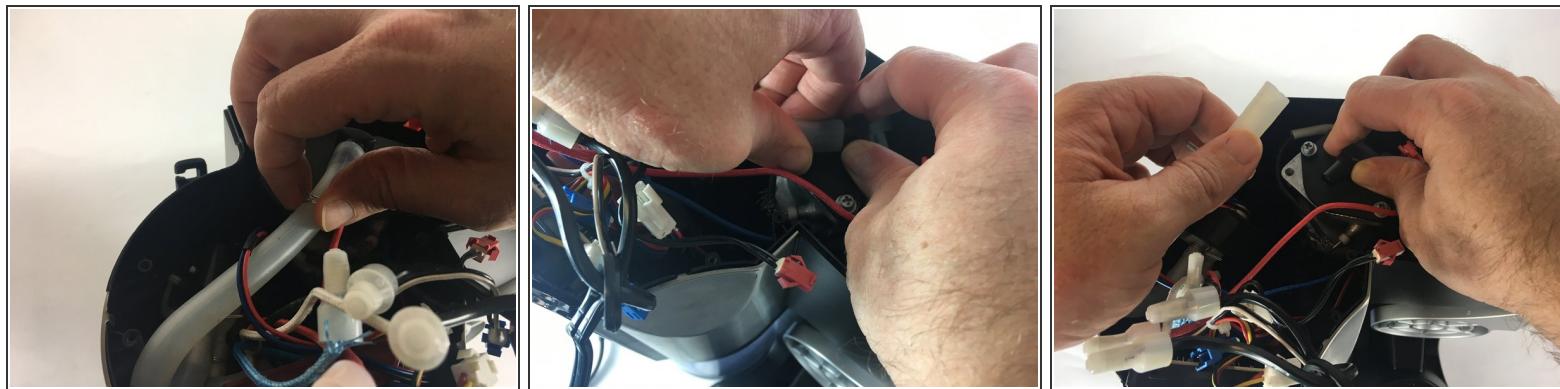
- Unscrew the two indicated J1S1 screws at the base of the water heating element.

## Step 6



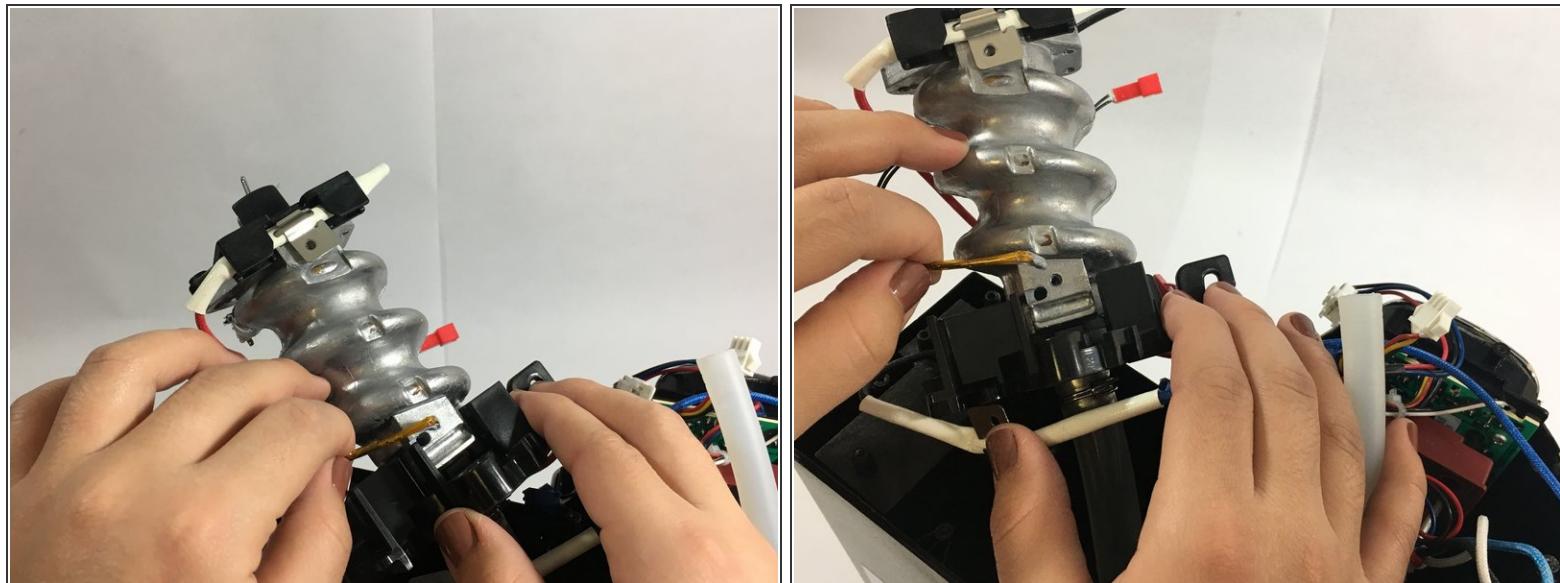
- Unscrew and remove the remaining J1S1 screws that secure the water heating element to the interior of the device.

## Step 7



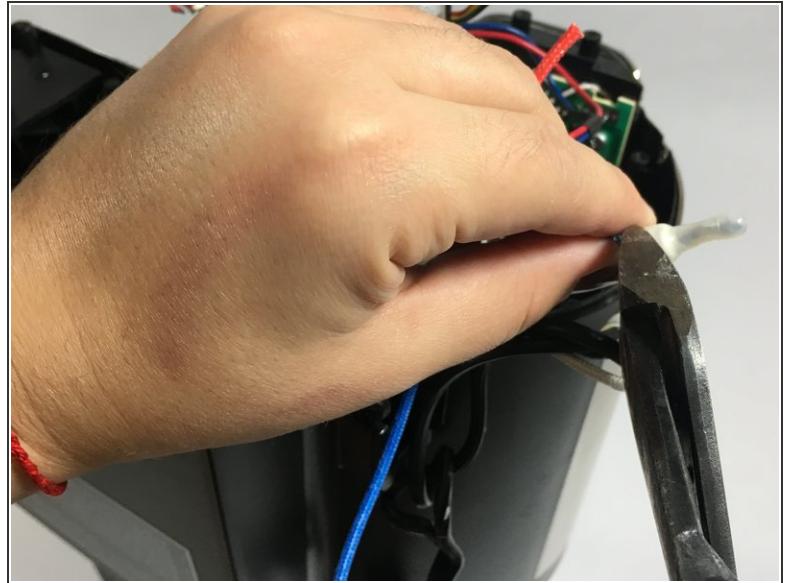
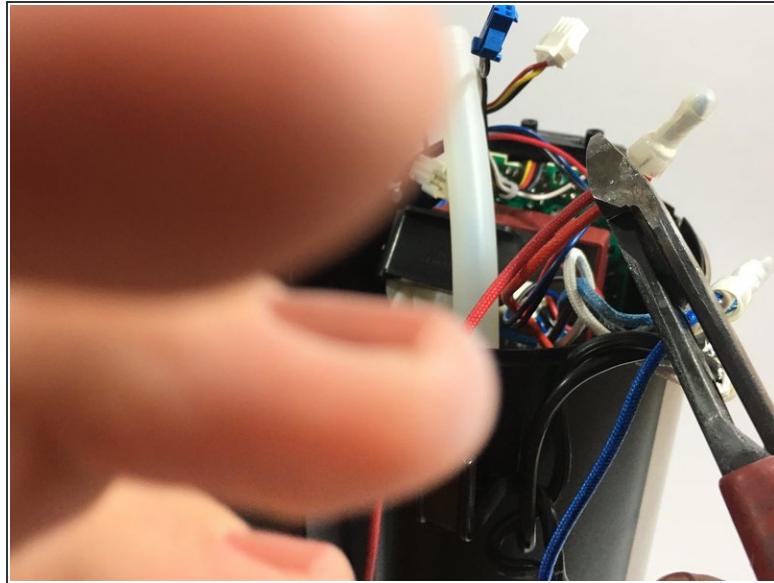
- Grasp and remove the clamp securing the tube that feeds into the base of the water heating element.
- Detach the tube from the water heating element.

## Step 8



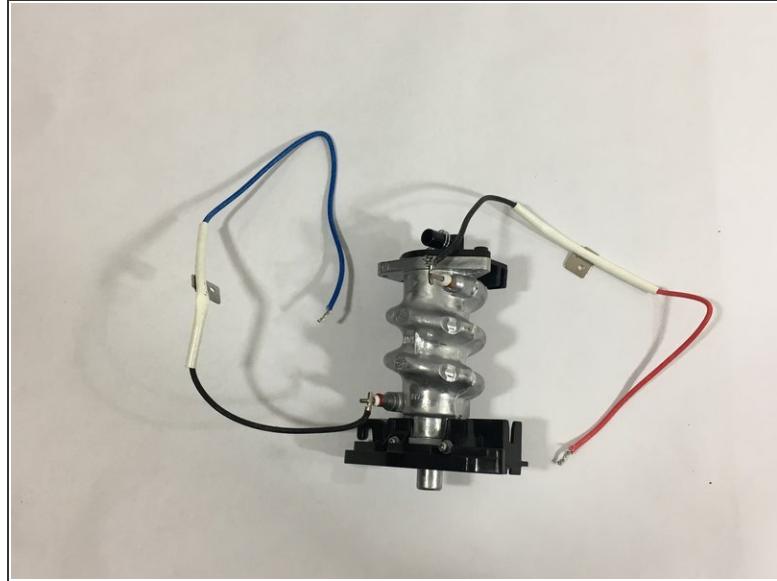
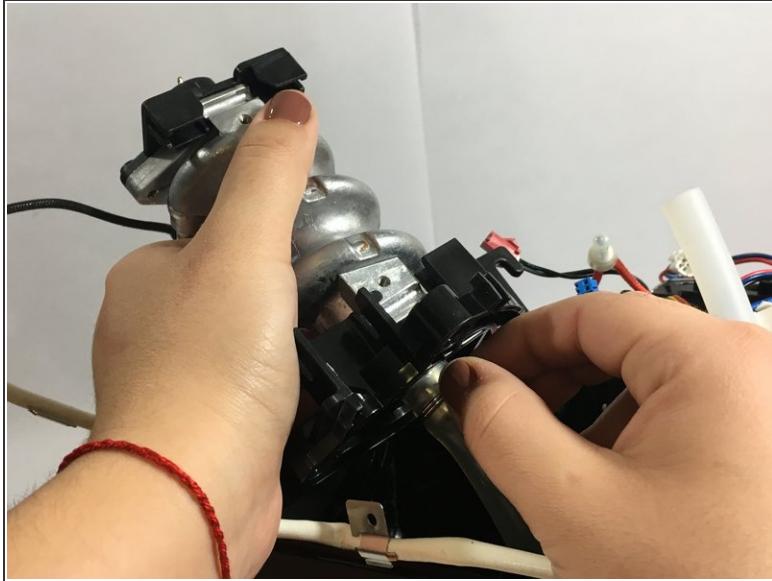
- Locate the coated wire that feeds into the side of the water heating element. Remove this wire.

## Step 9



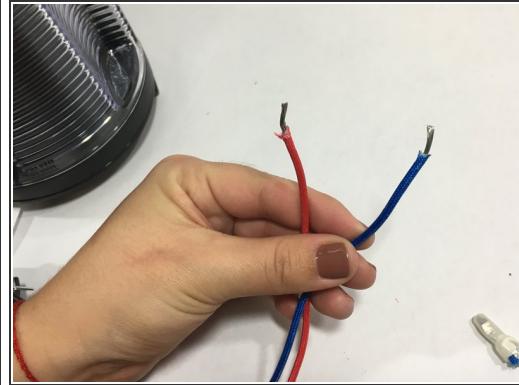
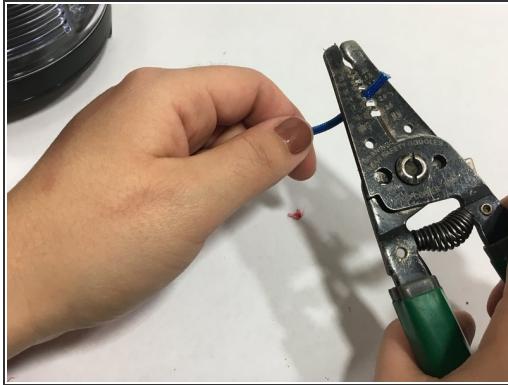
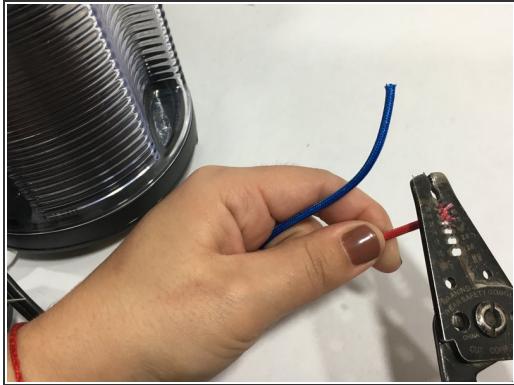
- Locate the two wires leading out from the water heating element that feed into crimp connectors.
- Using side cutters, sever these wires near the crimp connectors.
- Use the side cutters to cut the remaining wires that feed into the crimp connectors from the coffee machine.

## Step 10



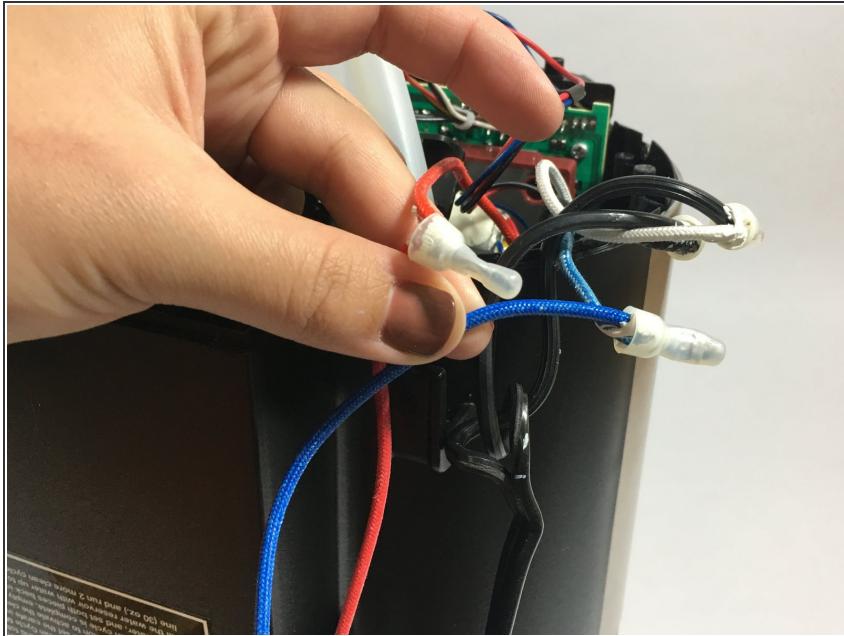
- Squeeze and remove the clamp that secures the main tube feeding into the water heating element. Remove that tube.
- Remove the water heating element.

## Step 11



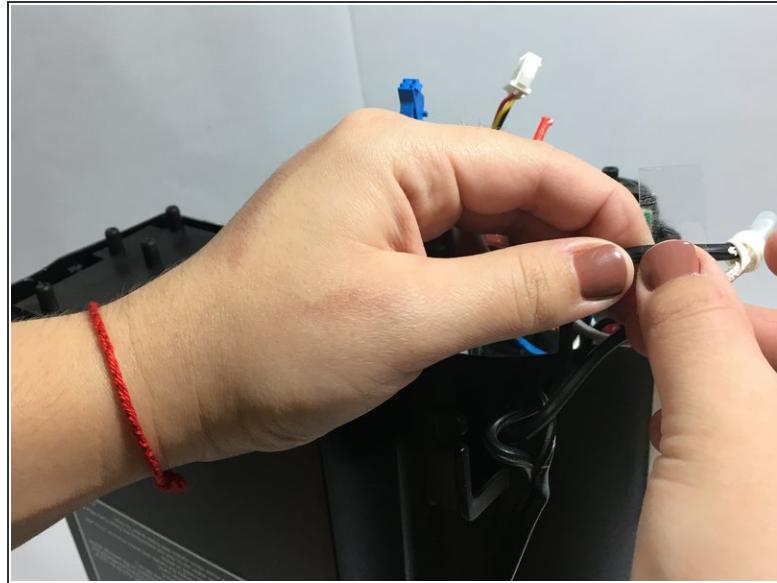
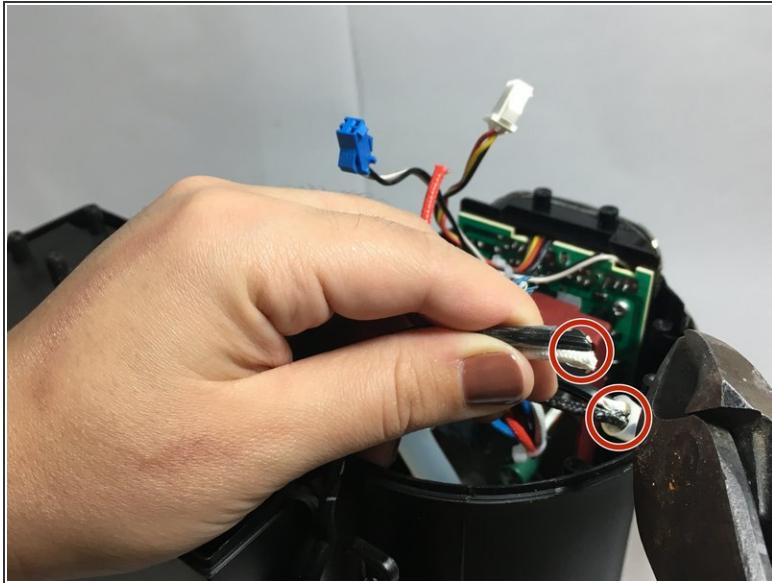
- Using wire strippers, strip the cut wires from your coffee machine near their cut ends to expose 2 cm of metal conductor from each.
- Use a similar procedure to strip the wires from your replacement heating element. Using wire strippers, expose 2 cm of metal conductor from the ends of the wires.

## Step 12



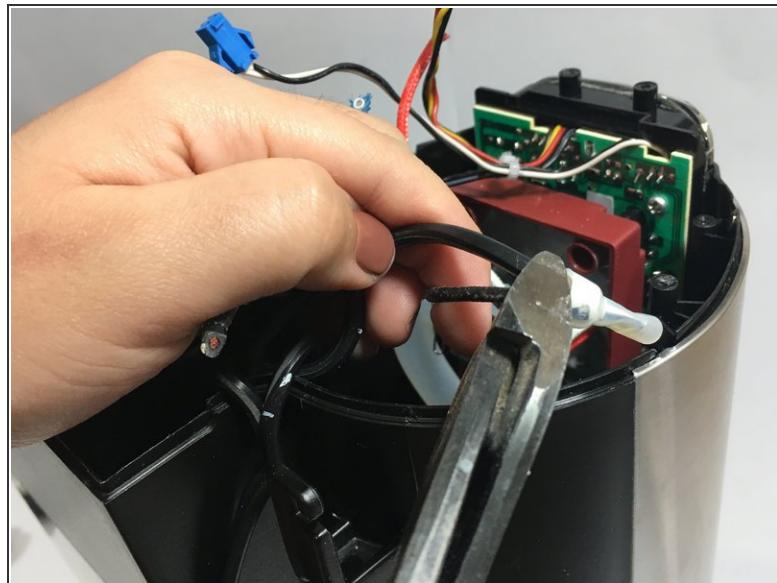
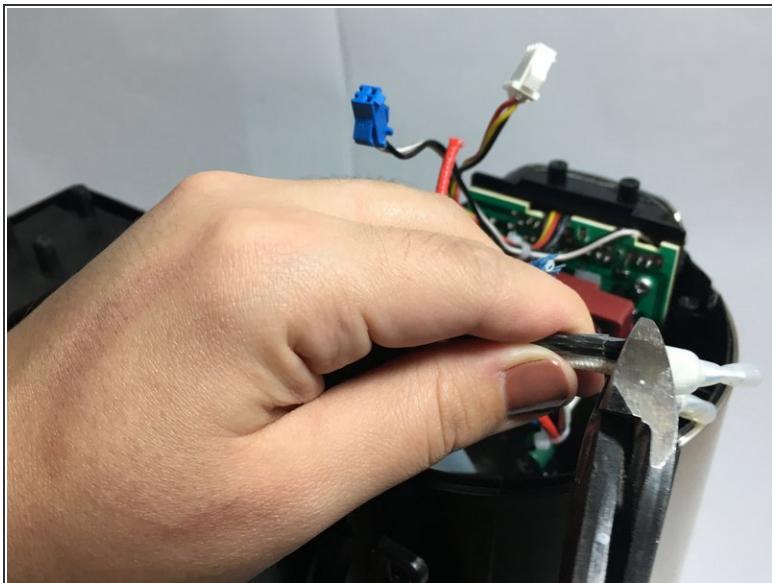
- Prepare two crimp connectors by filling them with dielectric grease.
- Use a crimp connector to connect a stripped end of the wire leading from the replacement heating element to the stripped end of the corresponding wire from the coffee maker.
- Using a second crimp connector, repeat for the remaining pair of stripped wires.
- Using the appropriate crimping tool, crimp the connectors.

## Step 13 — Power Cord



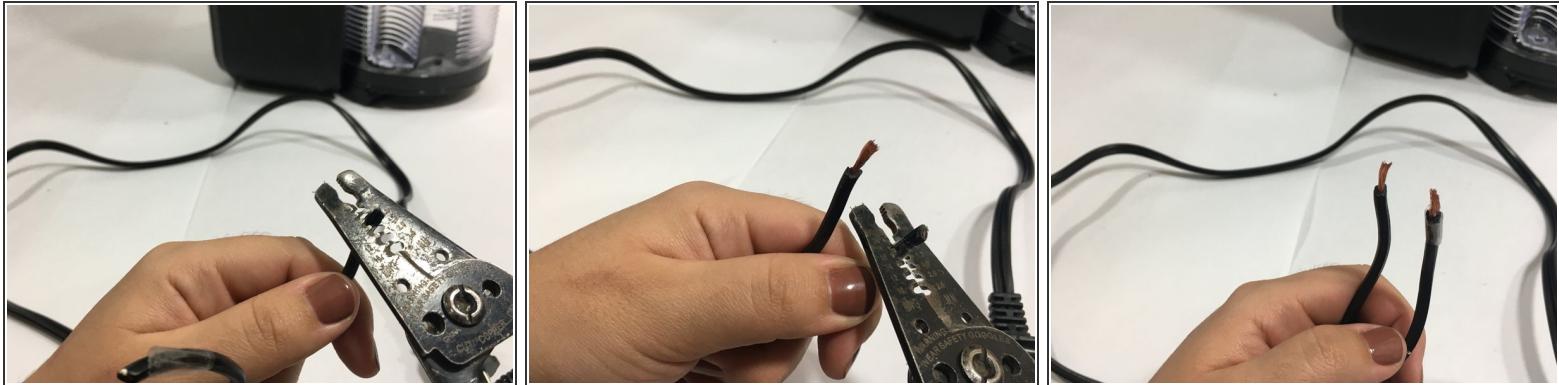
- The power cord splits into two and feeds into two closed-end crimp connectors. Two wires from your coffee machine also enter these connectors.
- Locate the neutral wire that feeds into the crimp connector from the machine. Mark this wire.

## Step 14



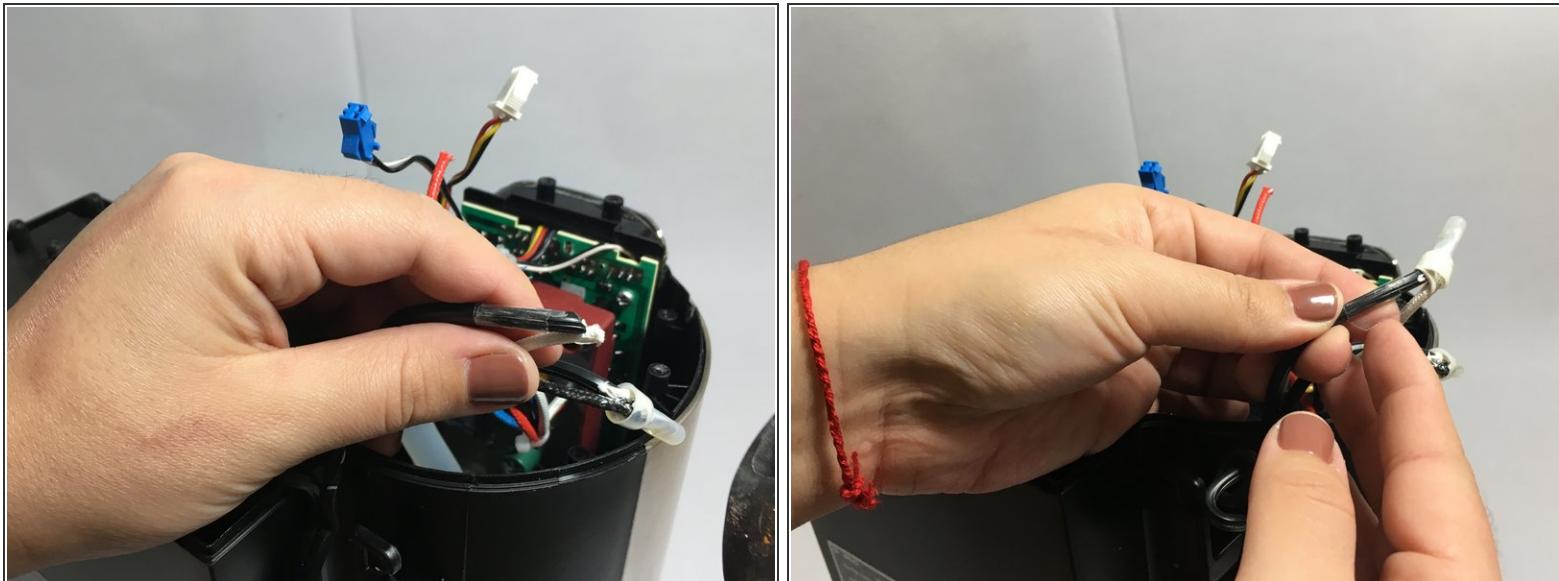
- Using side cutters, cut the wires from your device below the crimp connectors.

## Step 15



- Using wire strippers, carefully expose a 2 cm length of the metal wire from each of the cut ends.

## Step 16



- Apply dielectric grease to the insides of two new crimp connectors.
- Insert the stripped ends of the wire into the crimp connectors.
- Locate the ends of the replacement power cord. These should be already stripped; if they are not, strip 2 cm from them using wire strippers.
- Feed the ends of the replacement power cord into the crimp connectors. Crimp the connectors using the appropriate crimping tool.

After the wires have been spliced, the new power cord is ready for use with your machine.