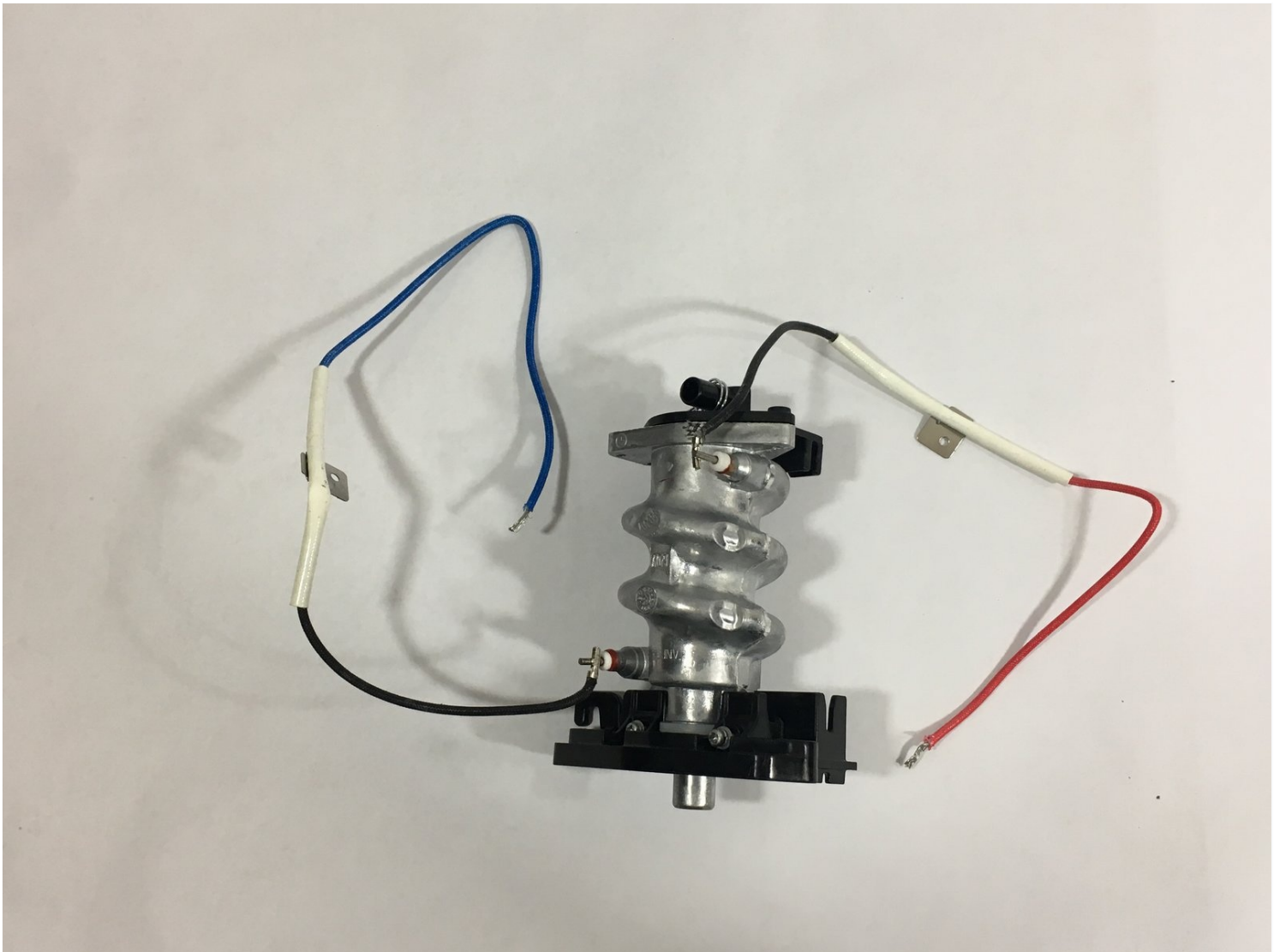




Ninja Coffee Bar CF086 Water Heating Element Replacement

The water heating element is a resistive coiled...

Written By: David Ton



INTRODUCTION

The water heating element is a resistive coiled wire that boils the water used in brews. This guide describes how to replace the heating element.

TOOLS:

- Phillips #0 Screwdriver (1)
 - Portable Soldering Iron (1)
 - TR10 Torx Security Screwdriver (1)
 - Coaxial Cable Crimper, Wire Stripper and Connectors (1)
 - Wire Cutters/Side Cutters (1)
 - ECM/PCM 555 Connector Crimp Sockets (2)
 - Dielectric Grease (1)
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Step 1 — Water Heating Element



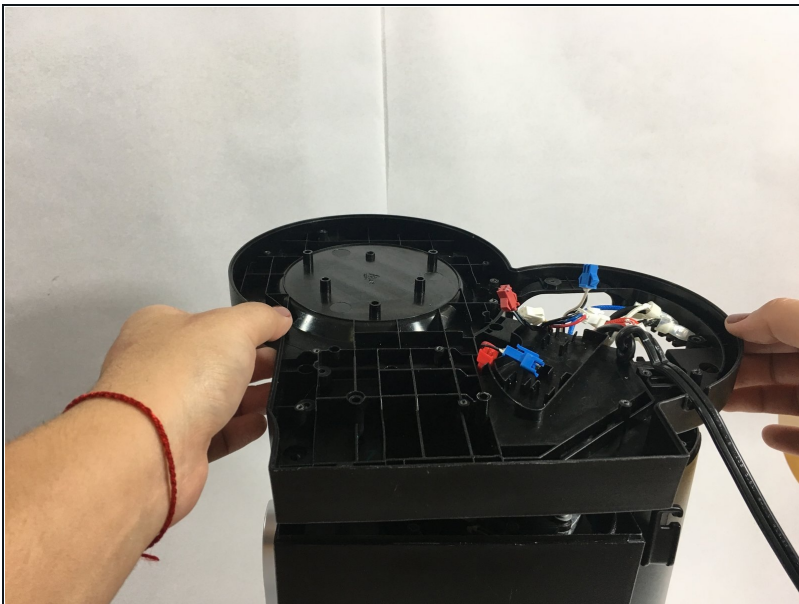
- ① Make sure the Ninja Coffee Bar is unplugged and that you have a dry, clean workspace for this task.
- Remove the carafe and water reservoir and set them aside.

Step 2



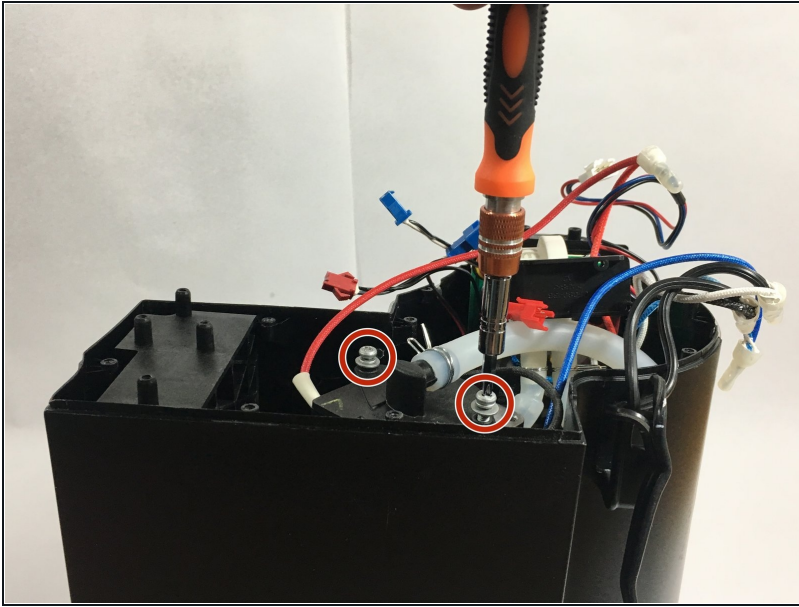
- Unscrew the T-10 screws from the bottom cover of the machine, and remove that bottom cover.

Step 3



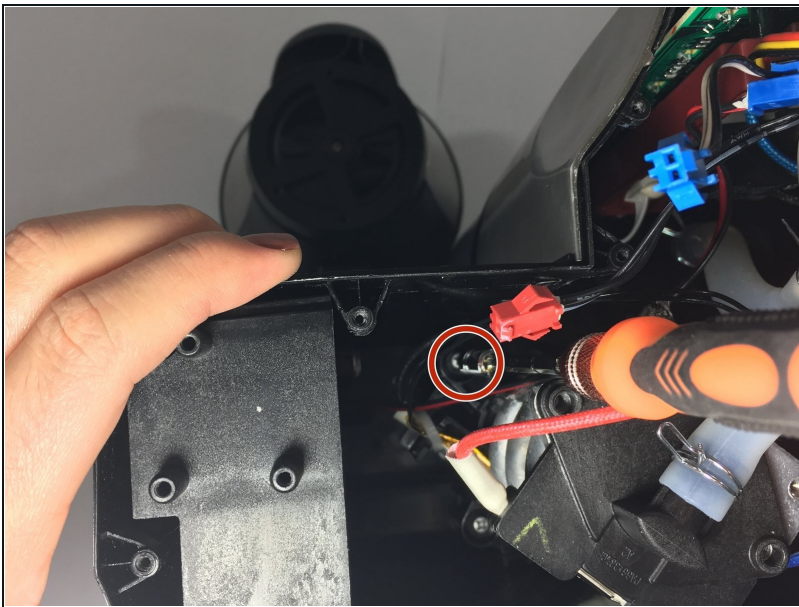
- Unscrew and remove the heating plate layer. This will expose the internal workings of the machine.

Step 4



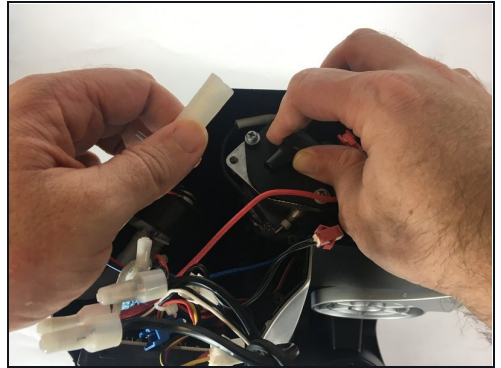
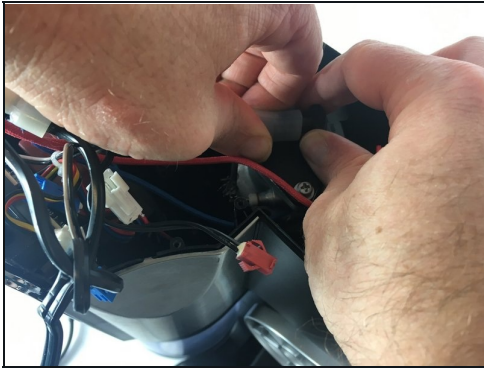
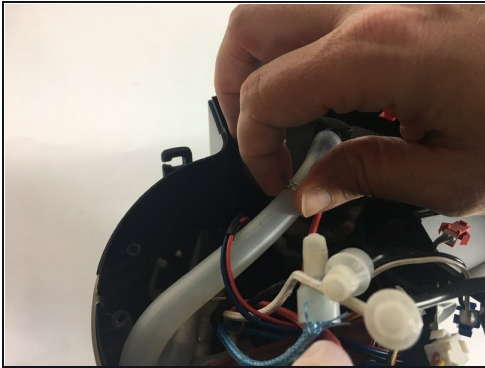
- Locate the water heating element in the interior of your coffee maker.
- Unscrew the two indicated J1S1 screws at the base of the water heating element.

Step 5



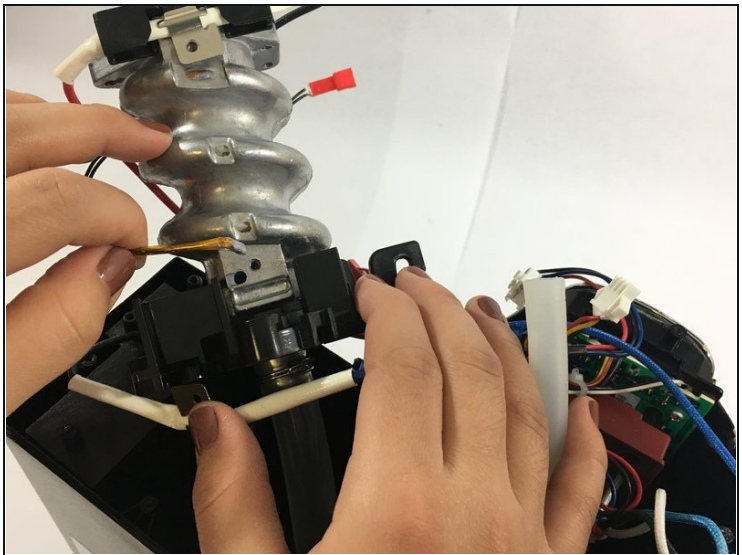
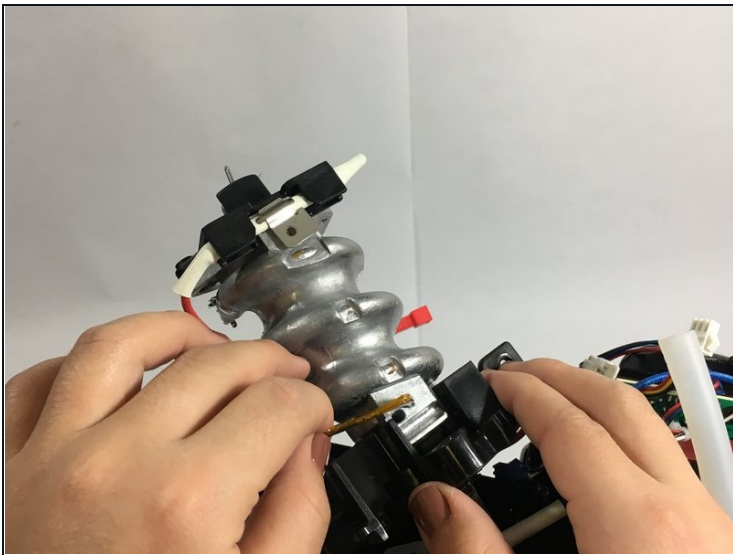
- Unscrew and remove the remaining J1S1 screws that secure the water heating element to the interior of the device.

Step 6



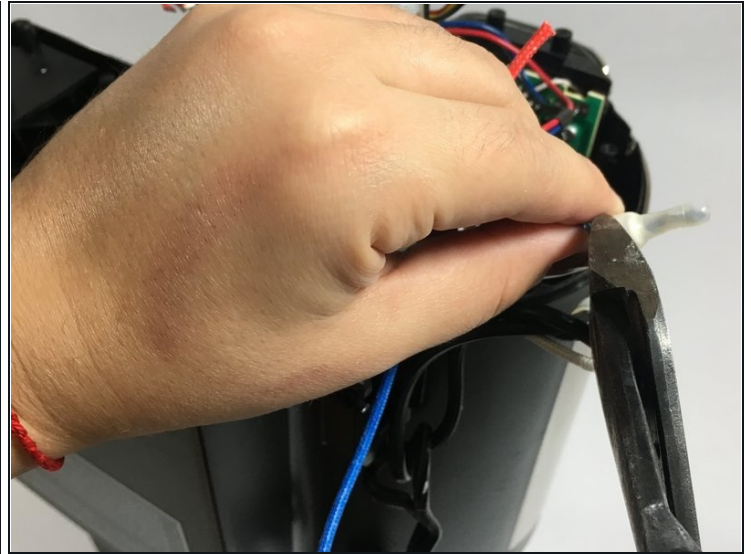
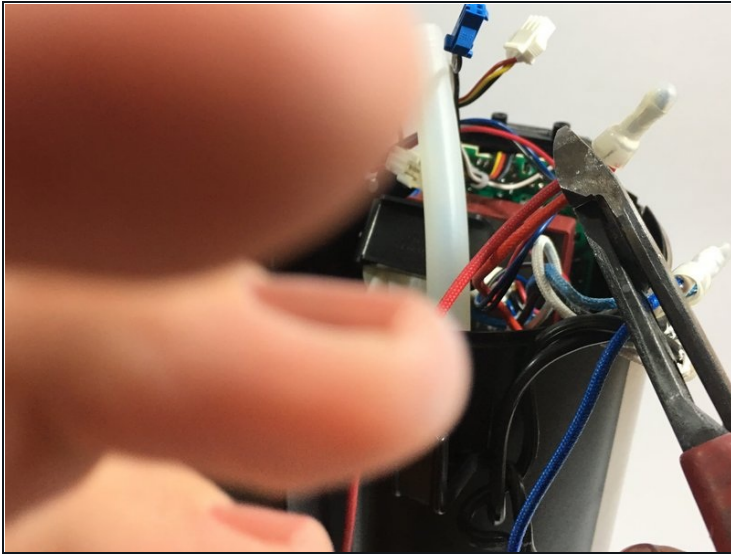
- Grasp and remove the clamp securing the tube that feeds into the base of the water heating element.
- Detach the tube from the water heating element.

Step 7



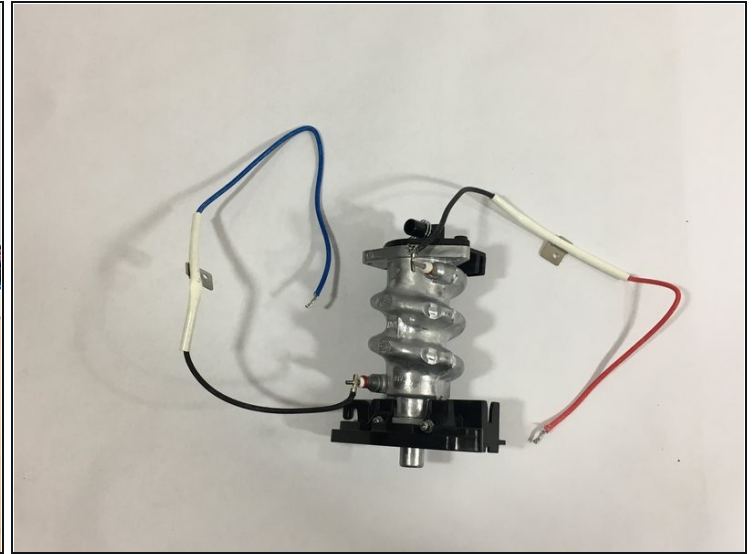
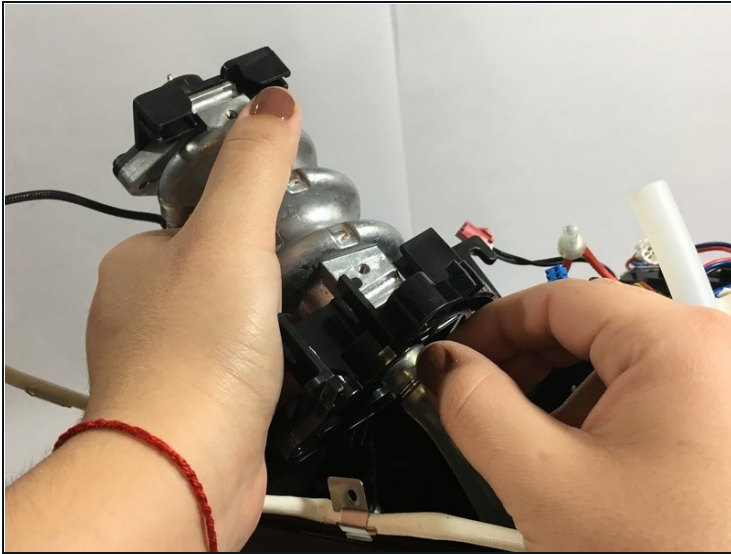
- Locate the coated wire that feeds into the side of the water heating element. Remove this wire.

Step 8



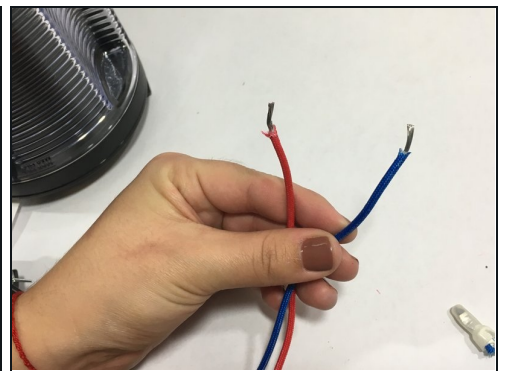
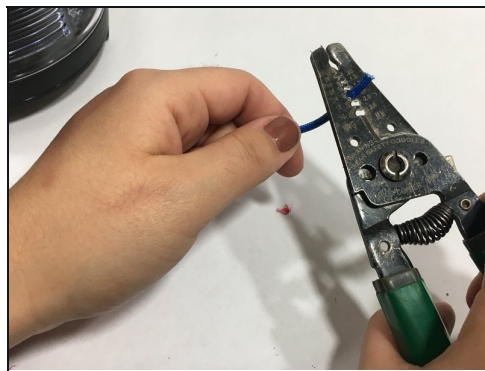
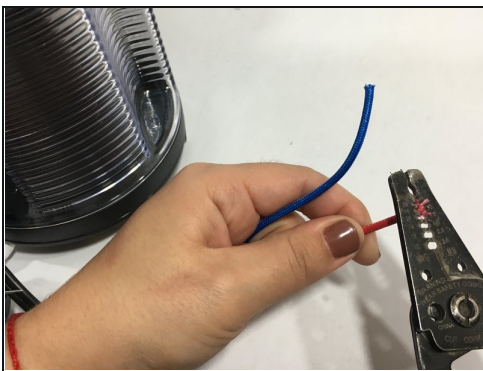
- Locate the two wires leading out from the water heating element that feed into crimp connectors.
- Using side cutters, sever these wires near the crimp connectors.
- Use the side cutters to cut the remaining wires that feed into the crimp connectors from the coffee machine.

Step 9



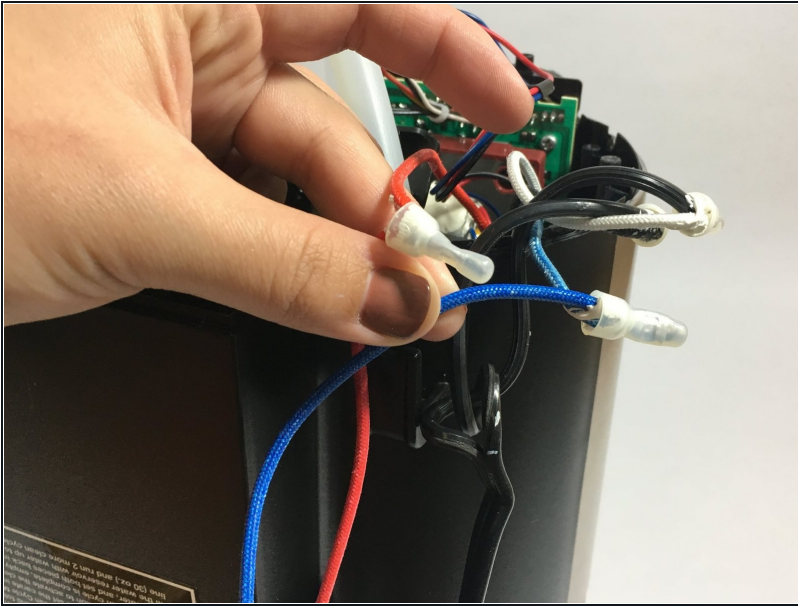
- Squeeze and remove the clamp that secures the main tube feeding into the water heating element. Remove that tube.
- Remove the water heating element.

Step 10



- 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 11



- 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.

To finish reassembling your device, follow steps 2-7 in reverse order.