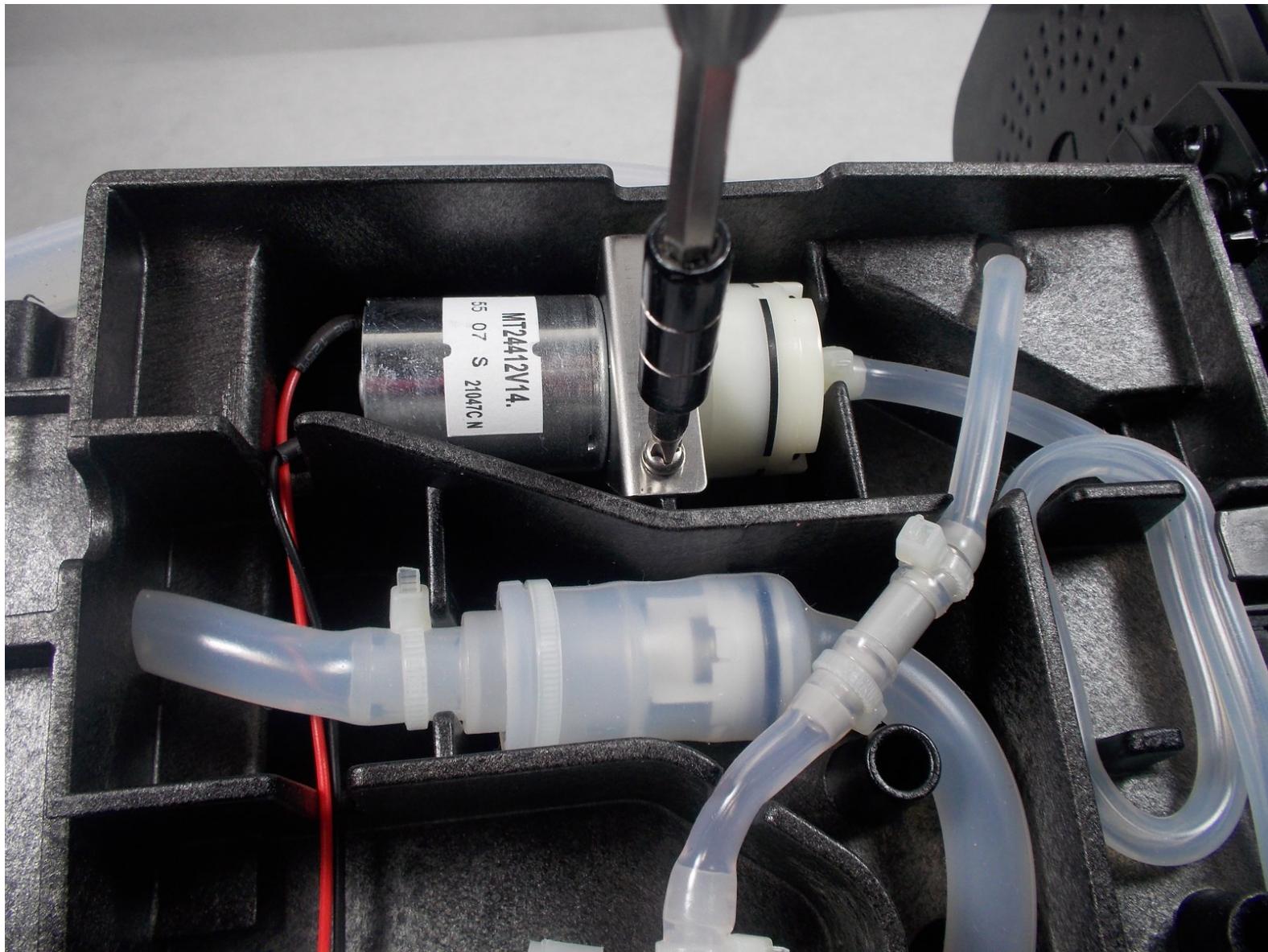




# Keurig K10 MINI PLUS Water Pump Replacement

This guide will show you how to open up the Keurig K10 MINI PLUS to replace the Water Pump.

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## INTRODUCTION

The Water Pump within the Keurig K10 MINI Plus is a deeply embedded part. Due to the nature of it being attached both to an electrical source and a water source, it is not recommended to attempt this guide without previous familiarity with both.

### **TOOLS:**

- [Metal Spudger \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Phillips #1 Screwdriver \(1\)](#)
- [Phillips #2 Screwdriver \(1\)](#)

## Step 1 — Cold Water Reserve Lid



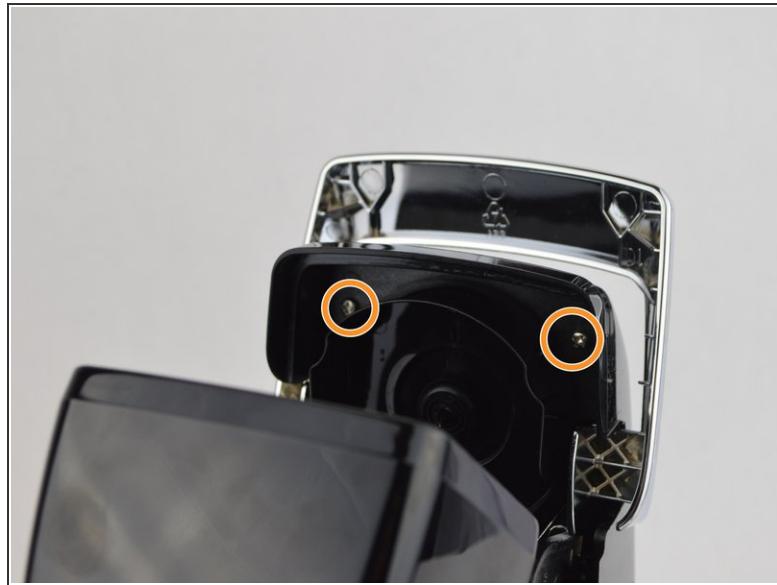
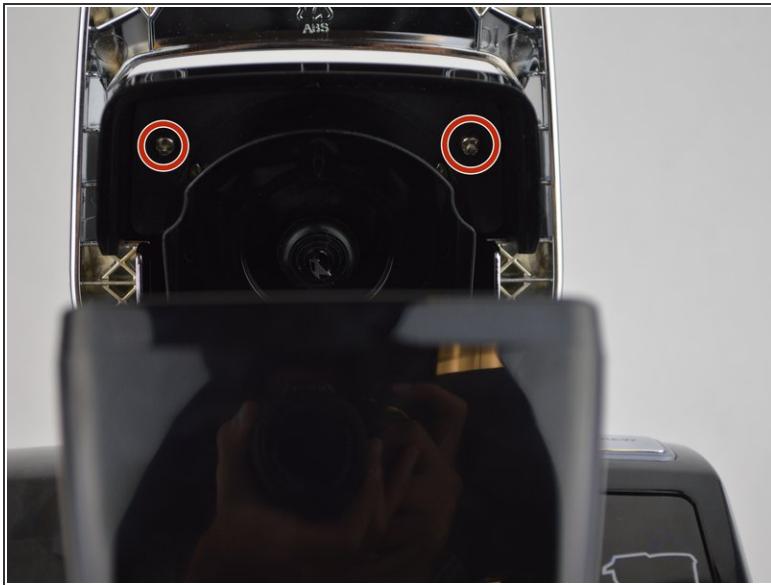
- Lift the cold water reserve lid up to reveal its hinge.
- Using either the metal spudger or the opening tool, gently pry the plastic out of the metal axle.

## Step 2



- Repeat the last step on the other hinge, making sure to keep a firm grasp on the lid as it comes off to avoid dropping it.

## Step 3 — Top Needle

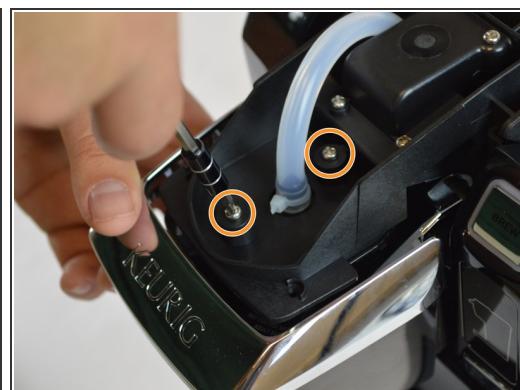


- Remove two 9 mm Phillips #1 screws.

 Avoid the top needle if at all possible. The needle may cut you and/or penetrate your skin.

- The screws are located on the top of where the K-Cup would be.

## Step 4



- Once you remove the screws, the top cover should come out.
- You will then want to remove these screws which are the same size.

 The needle is sharp, so be careful.

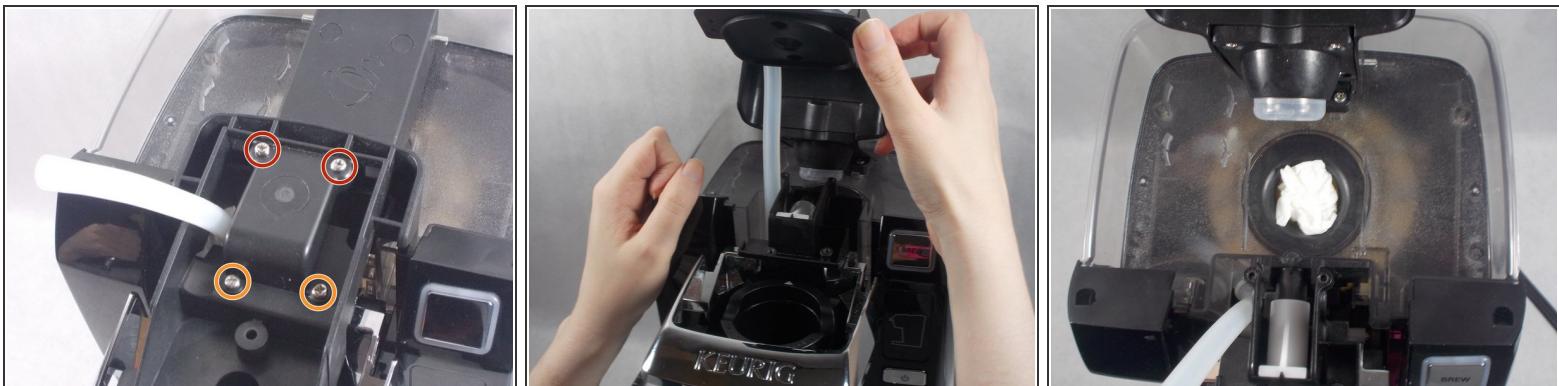
## Step 5



- Once you get those removed, you are going to want to pull on the hose until it pops off.
- Once the hose comes off, the needle will fall out by itself.

**⚠️** Be careful when picking up the needle as the needle is sharp.

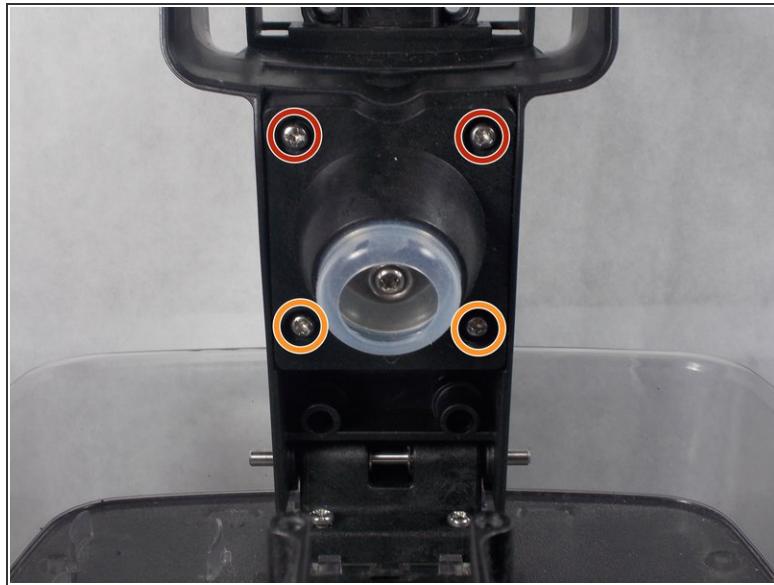
## Step 6 — Cold Water Reserve Arm



- Remove two 14 mm Phillips #2 screws.
- Remove two 12 mm Phillips #2 screws.
- Lift the arm off the assembly. This will reveal the tank hole as shown.

**⚠️** It is recommended that you clog the tank hole with a napkin or something similar in order to prevent small parts from falling into the heating element.

## Step 7



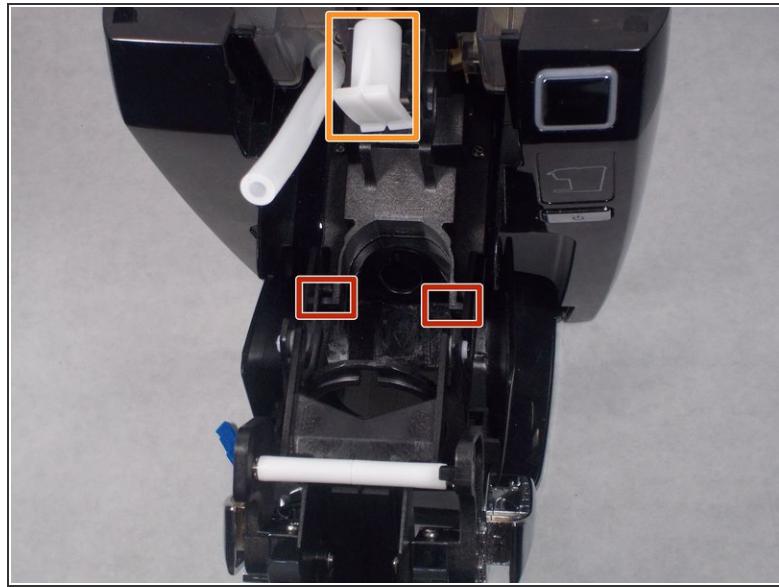
- Remove two 9.7 mm Phillips #2 screws.
- Remove two 11.5 mm Phillips #2 screws.
- Remove the cold water reserve arm's plug from the arm itself in order to allow access to the base screws.

## Step 8



- Remove two 18 mm Phillips #2 screws.
- Finally, detach the arm from the cold water reserve basin.

## Step 9 — Dispenser Head



- Pull the head assembly forward to reveal the two plastic axle points that keep the head assembly attached to the base.

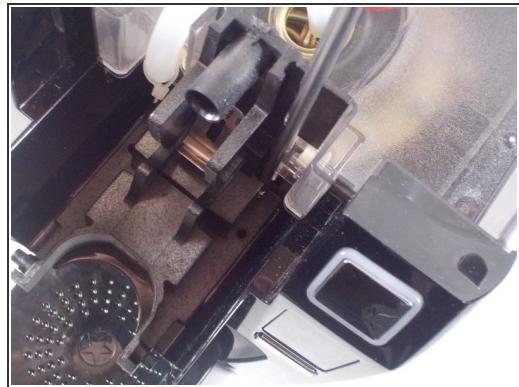
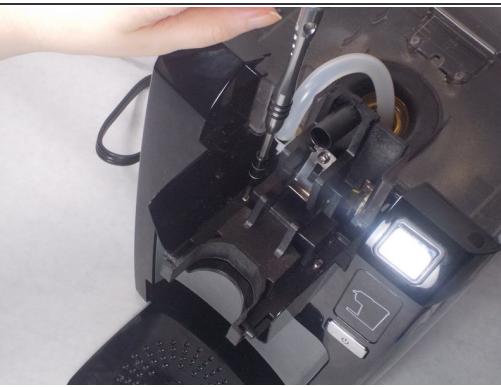
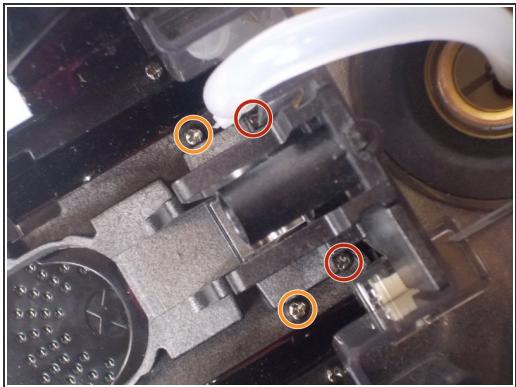
 There is a spring concealed by a white piece as shown.

## Step 10



- Using the iFixit Opening Tool, gently pry apart the plastic head assembly piece from both the body's axles and its left to remove it.

## Step 11 — Brew Button



- Remove two 14 mm Phillips #2 screws.
- Remove two 12 mm Phillips #2 screws.

*(i)* Screws circled in red may be hard to reach and will require a screw driver with a neck width of 5mm or less.

## Step 12



- Detach the seat by giving it a firm tug up.

## Step 13



- Flip over the device.
- Remove four 11.5 mm Phillips #2 screws.

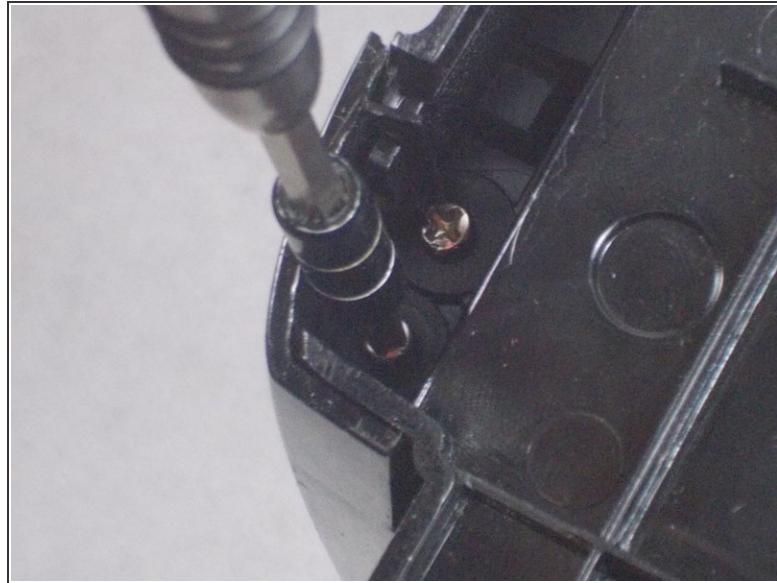
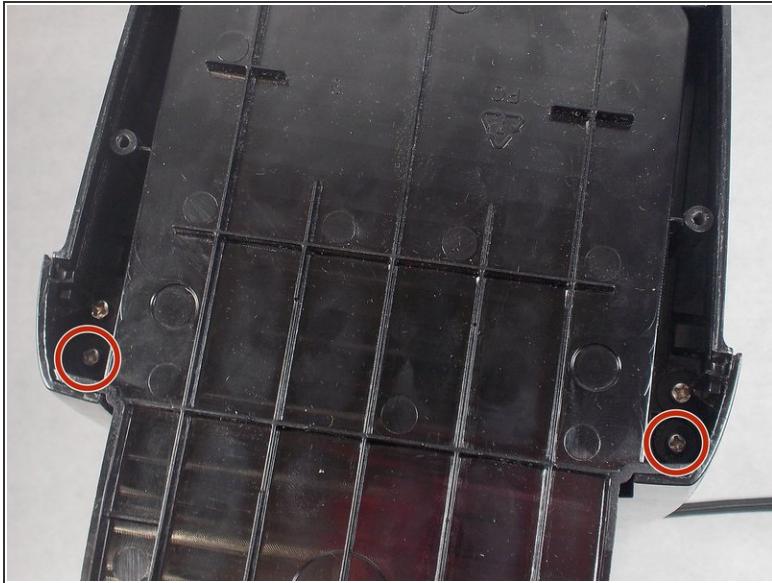
## Step 14



- Reposition the metal lid while keeping the heat sink attached in order to reach the screws underneath.

 It is recommended that you leave the heat sink aside as it contains thermal paste.

## Step 15



- Remove two 11.5 mm Phillips #2 screws.

*(i)* Be careful not to confuse these two screws for the ones behind them.

## Step 16



- Turn the device right side up again.

## Step 17



- Begin to pry open the front plate using the iFixit Opening Tool as shown.
- Pry upwards in order to take the cover off.

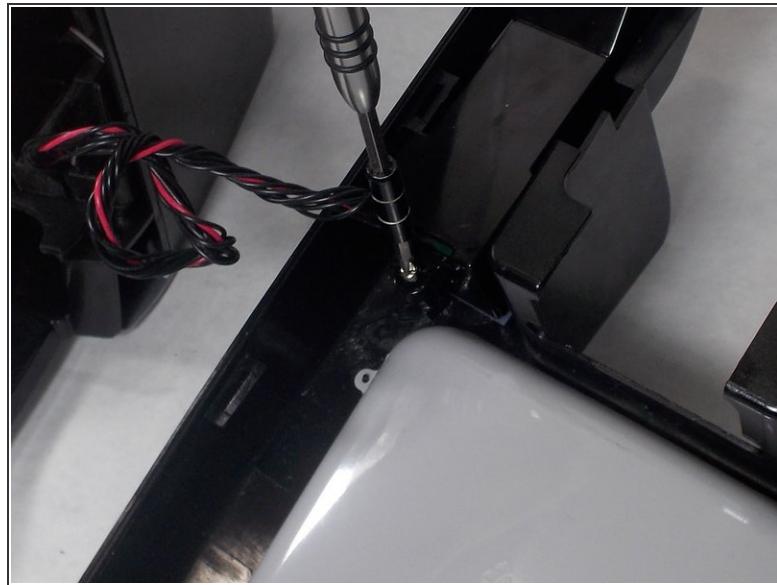
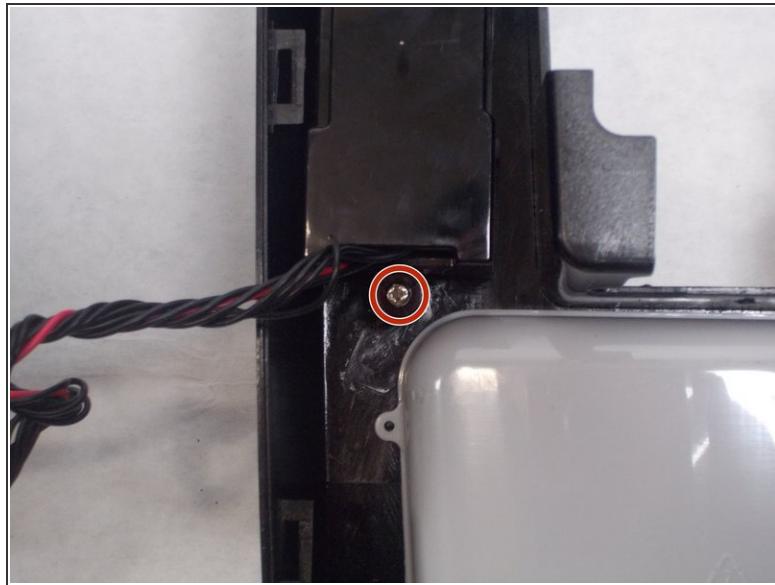
## Step 18



- Remove the front plate.

**⚠** Be careful of the wires here.

## Step 19



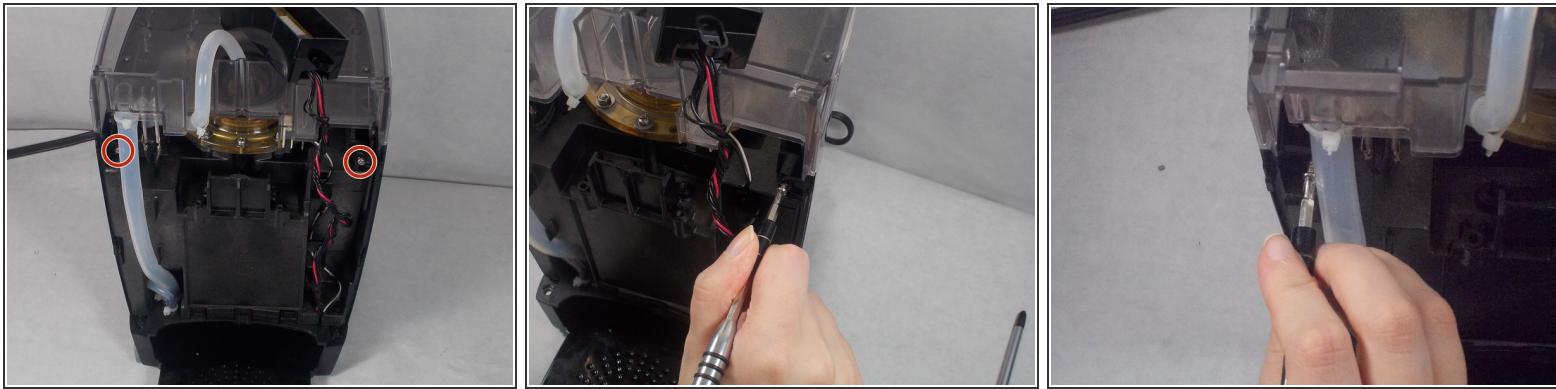
- Remove one 9.7 mm Phillips #2 screws.

## Step 20



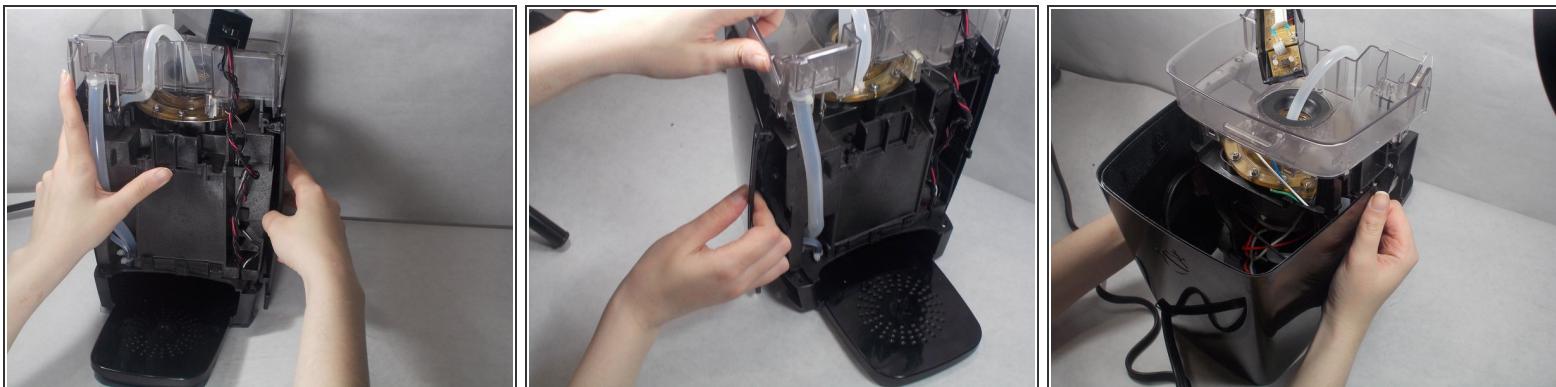
- Remove the button housing to access the buttons.
- The brew buttons can be easily popped out of place by pushing inwards from the front of the unit.

## Step 21 — Water Pump



- Remove two 9.7 mm Phillips #2 screws.

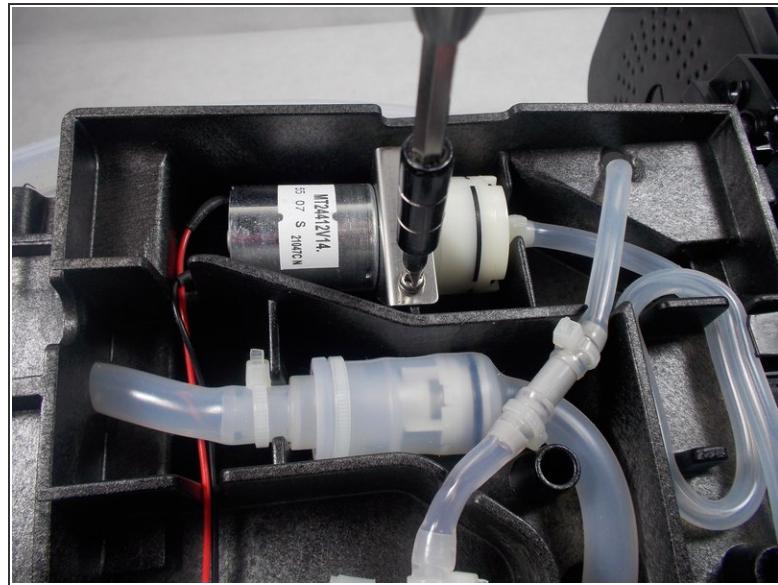
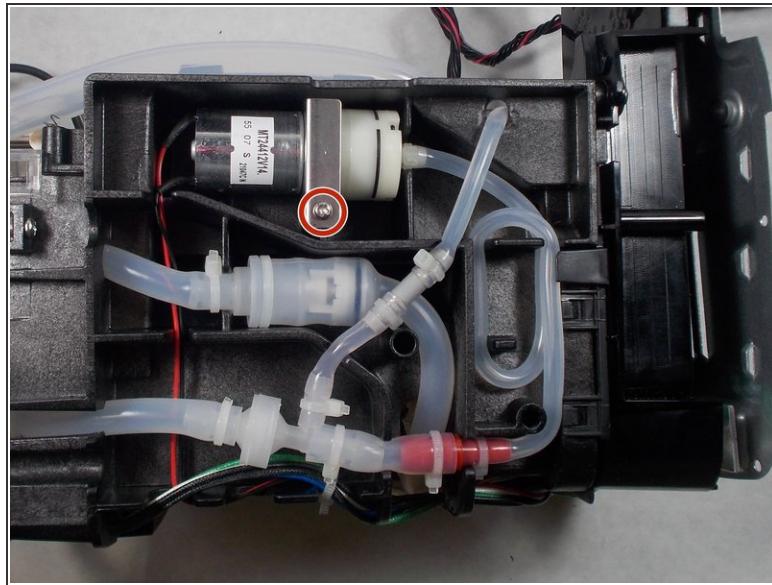
## Step 22



- Pry open the left, right, and back of the back plate by pulling out and up.

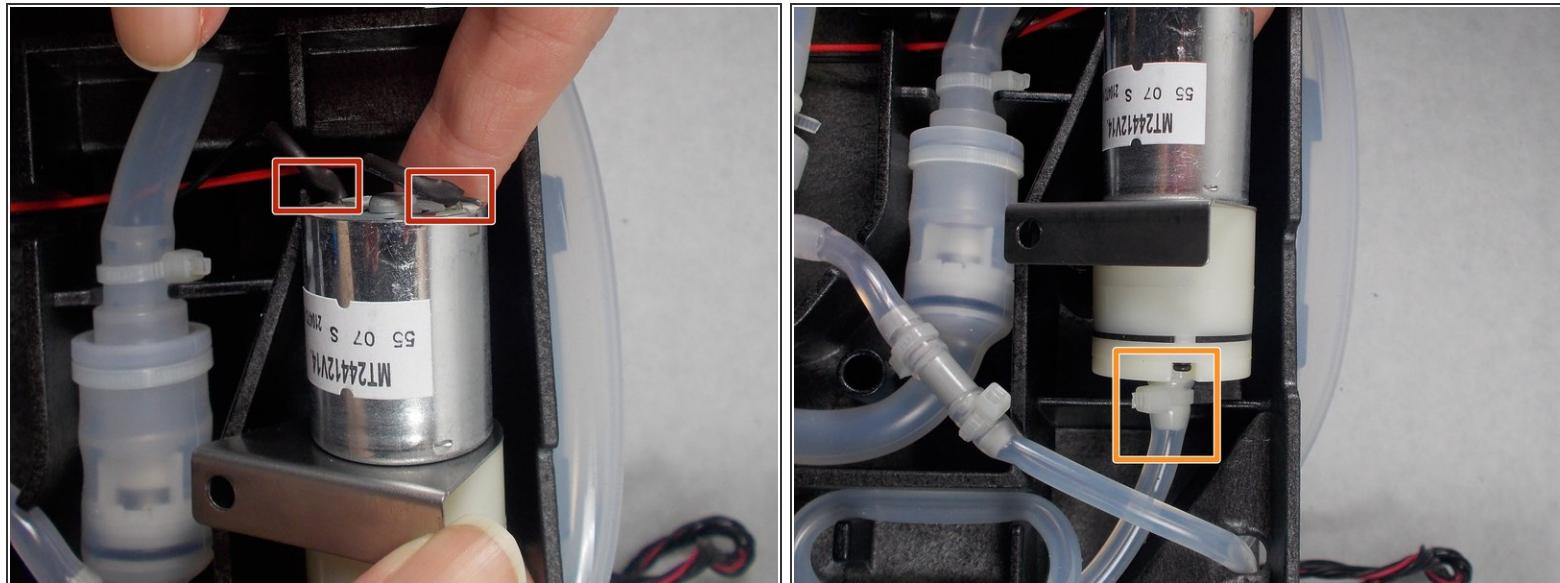
*(i)* Do not be afraid to be fairly forceful when removing the back plate—it is snapped together fairly tight.

## Step 23



- Rotate the device to reveal the pump side.
- Remove one 9.7 mm Phillips #2 screw.

## Step 24



- Remove the power connectors attached to the water pump.
- Remove the water hose attached to the water pump.
- Remove the water pump itself.

To reassemble your device, follow these instructions in reverse order.