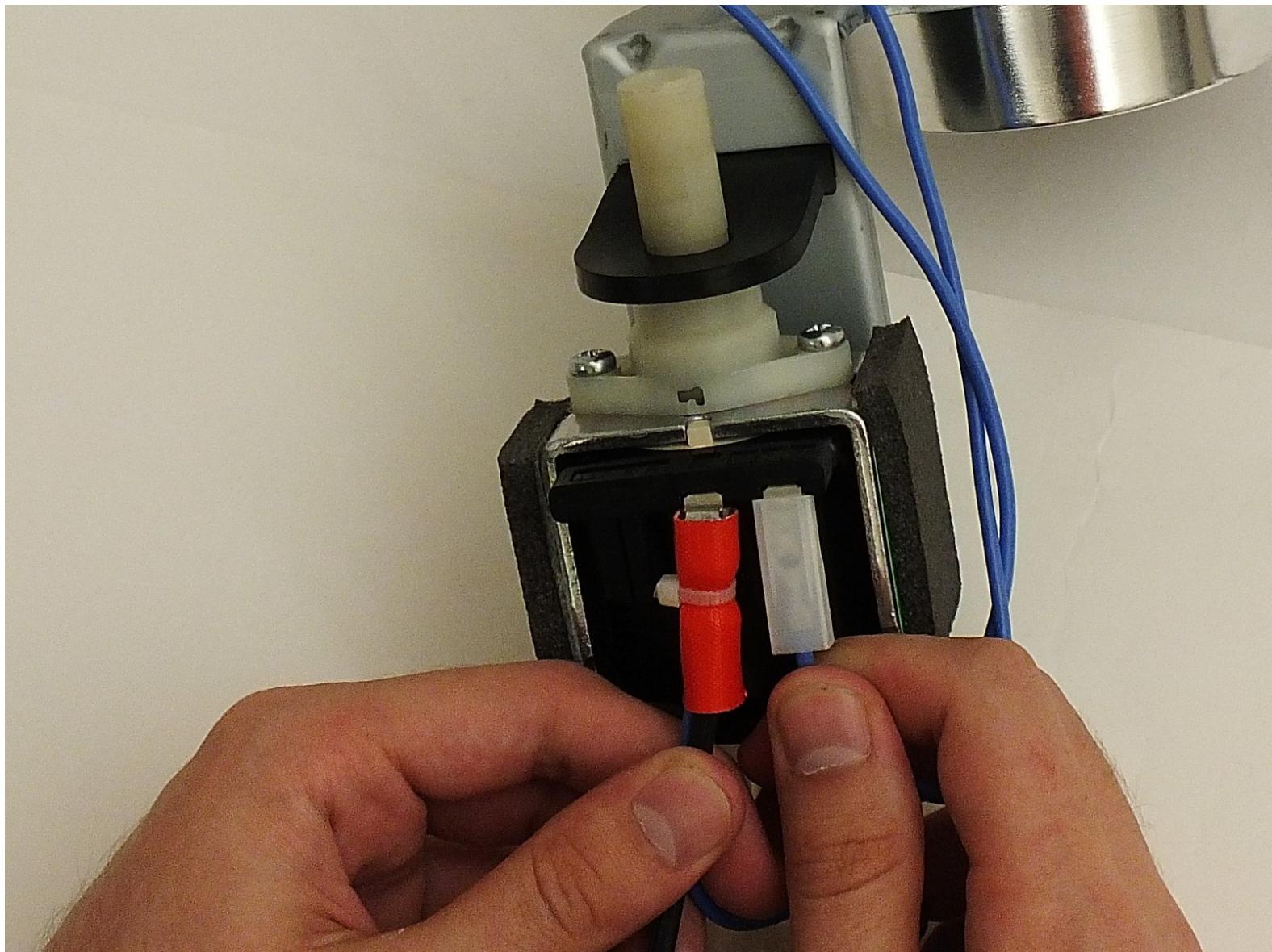




# De'Longhi EC155 Water Pump Replacement

Replace the water pump to bring back water flow to the De'Longhi EC155.

Written By: David Griffith



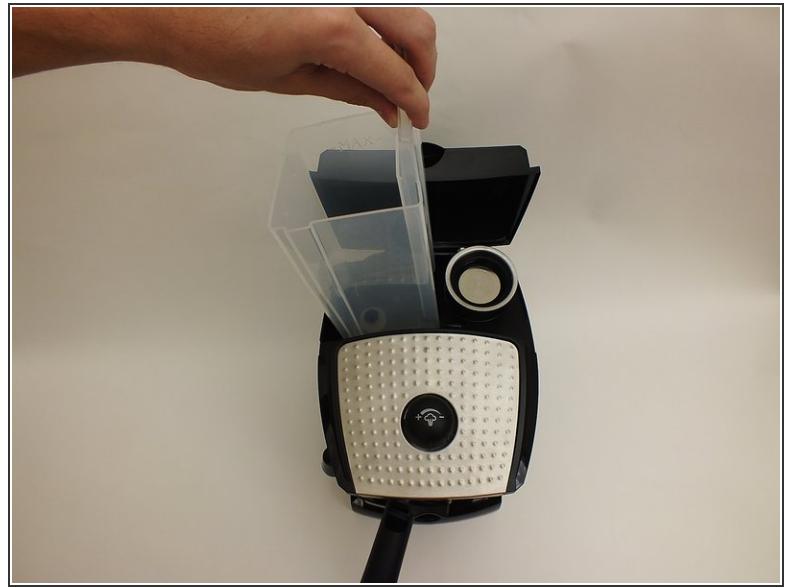
## INTRODUCTION

This guide requires you to fully take apart the device. Be careful not to misplace any parts once you have removed them. This guide would be used if your coffee maker has no water flow.

### TOOLS:

- [Phillips #2 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (2)
- [Precision Tweezers Set](#) (1)
- [T20 Torx Screwdriver](#) (1)

## Step 1 — Water Reservoir



- Flip open the top panel to reveal water reservoir.
- Grab the water reservoir by the handle and lift out.

## Step 2 — Bottom Panel



- Flip the device on its head.
- Using the Phillips #2 screwdriver, unscrew the four 12 mm screws found at each corner of the bottom panel.
- Lift the panel off or flip the device over and let the panel drop out.

## Step 3 — Top Panel



*(i)* Before flipping the device, removed the black container and grill.

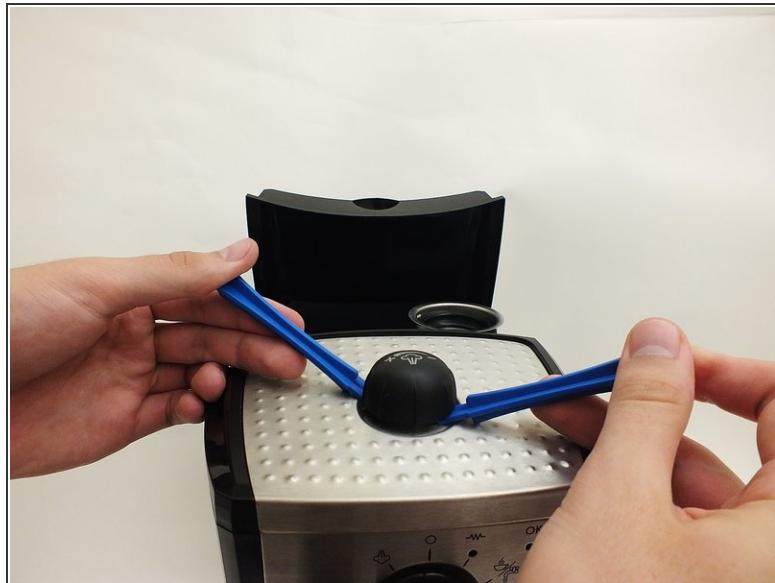
- Flip the device on its head, front end facing you.
- Using the Phillips #2 unscrew the two 52 mm screws found underneath the top portion of the device.

## Step 4



- Flip the device back to its proper orientation.
- Using the Phillips #2 screwdriver remove the two 52 mm screws found on the lip next to the reservoir.

## Step 5



- Insert the two plastic opening tools beneath the top knob.
- Use the two plastic opening tools as leverage to lift the top knob off.

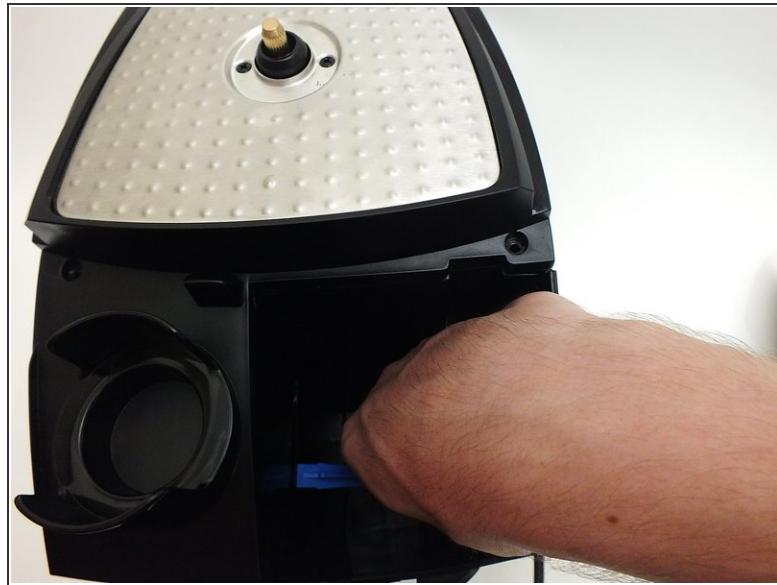
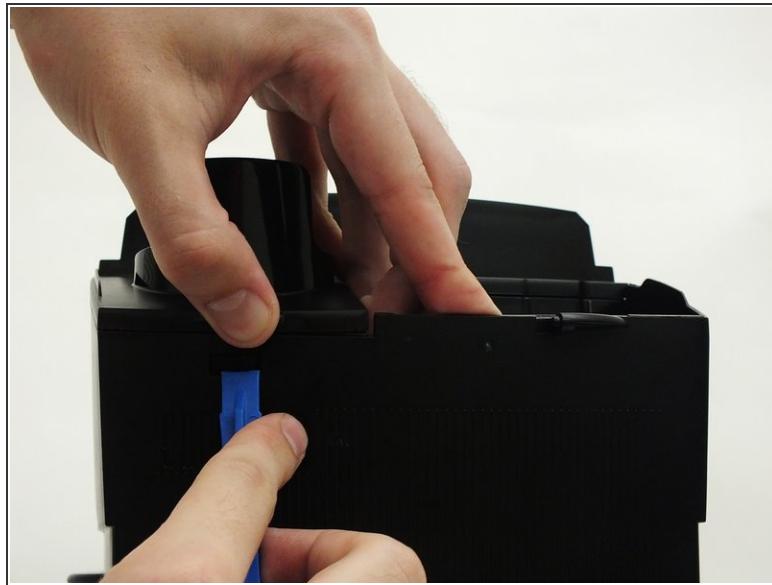
## Step 6



- Grasp the lid firmly with both hands.
- Pull mightily with both hands away from the device.

***i*** If you hear a slight snapping sound, it is supposed to do that.

## Step 7



- Use a plastic opening tool to push in the slot on the back panel while lifting.
- Similarly, reach into where the reservoir used to be and insert a plastic spudger underneath the inside panel.

 We recommend to not use your fingers for this step because there is a chance they will be pinched.

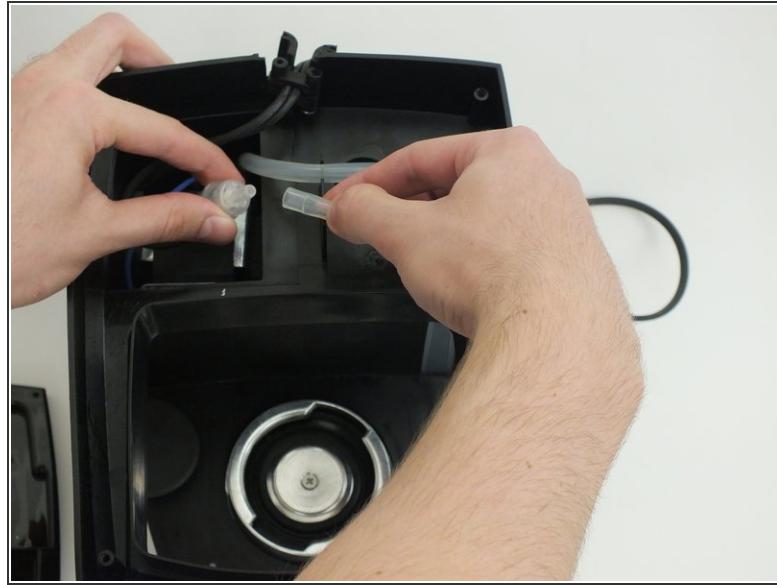
## Step 8



- You are now ready to lift the top off.
- Place one hand near the back, the other at the front, and lift.

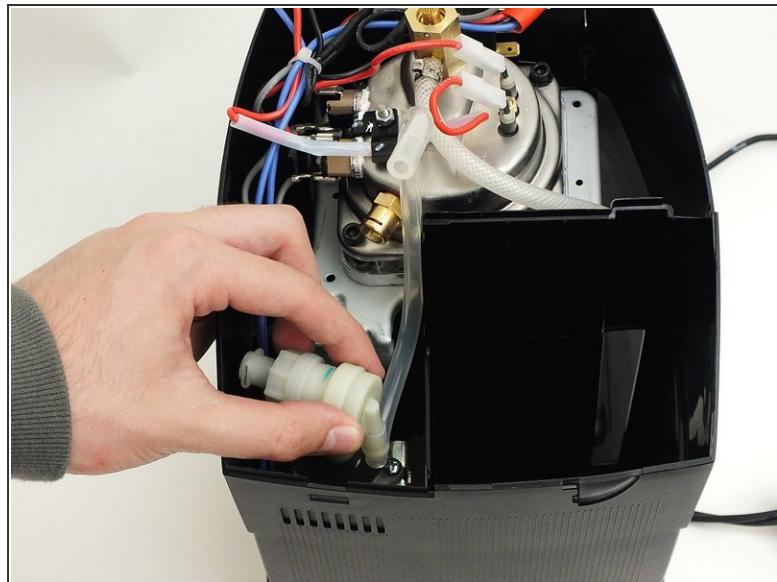
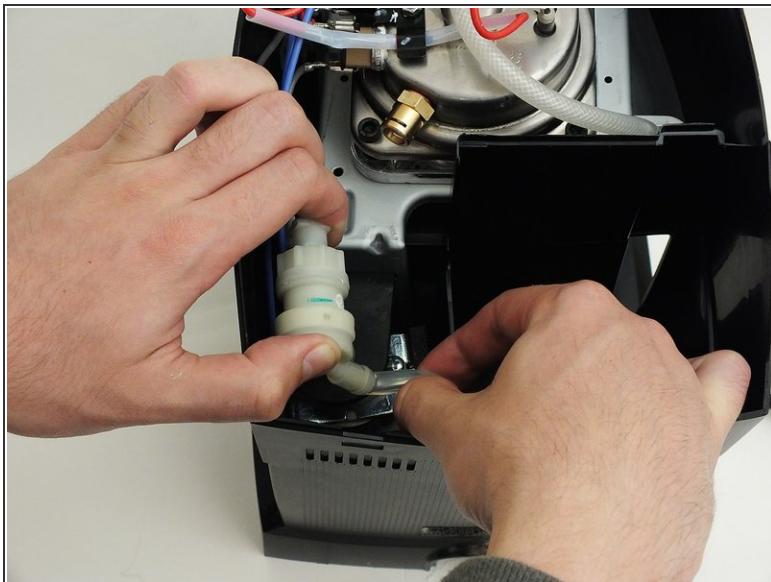
**(i)** You may want to lift the front and back individually by pulling one a little off the part before the other. Afterwards, lifting the top off entirely will be easier.

## Step 9 — Water Valve



- Flip the device and remove one end of the tube from the water reservoir hole.

## Step 10



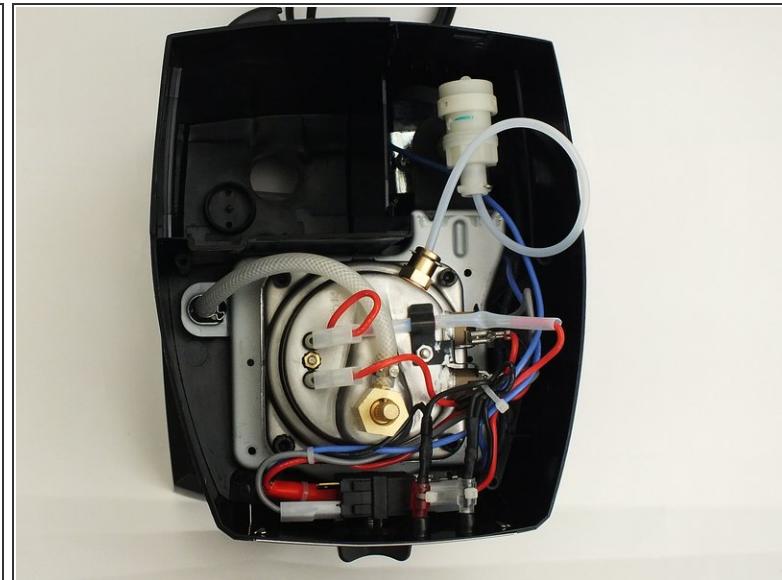
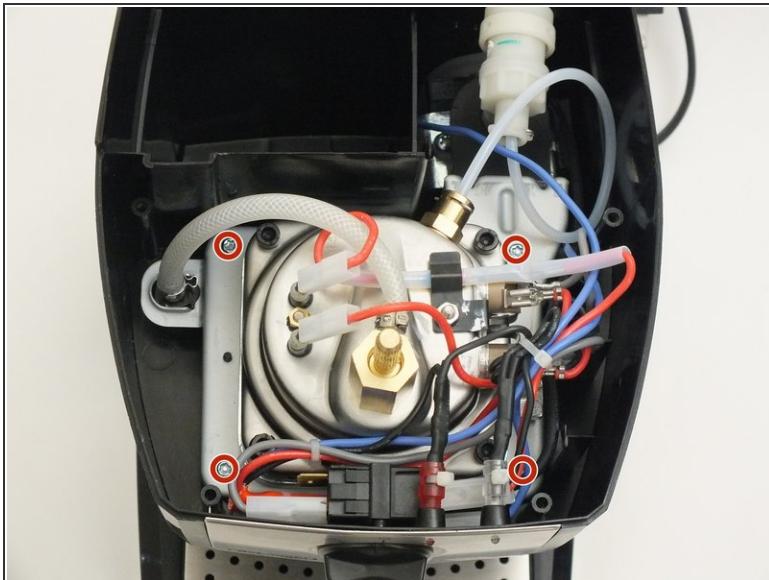
- Pull the tube through the chamber with the water pump so it comes out of the top end.
- Twist the valve counterclockwise while pulling gently.

## Step 11 — Core



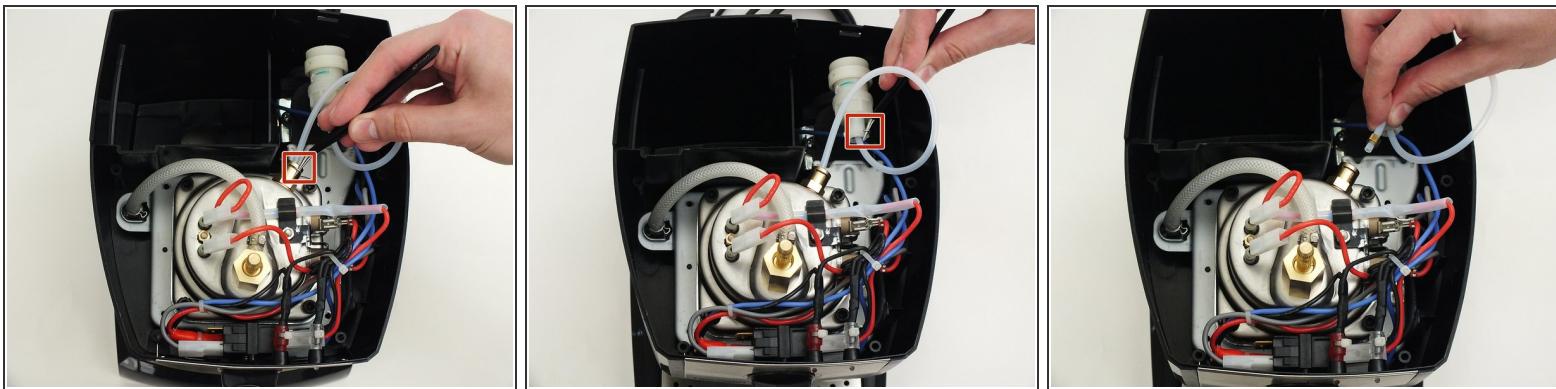
- Twist the frother clockwise while pulling gently.

## Step 12



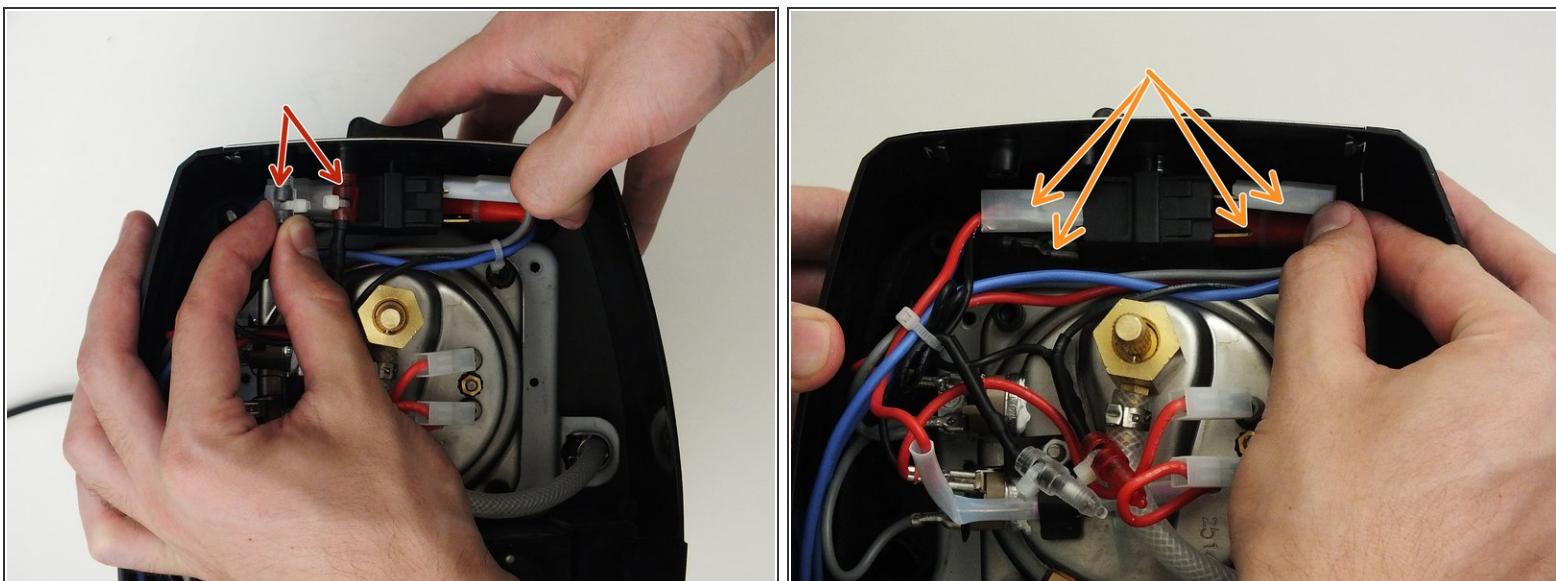
- Remove the four 16mm screws with a T20 Screw head.

## Step 13



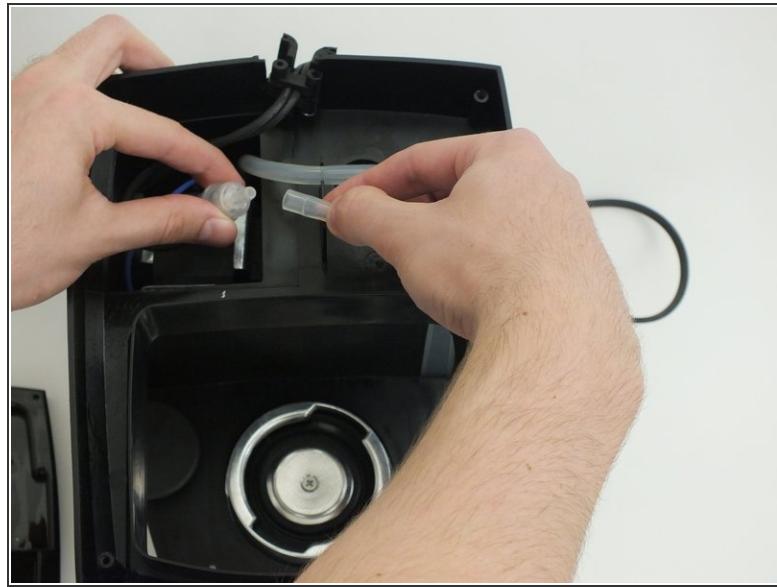
- Remove each clip from the valve and core using the precision angled tweezers.

## Step 14



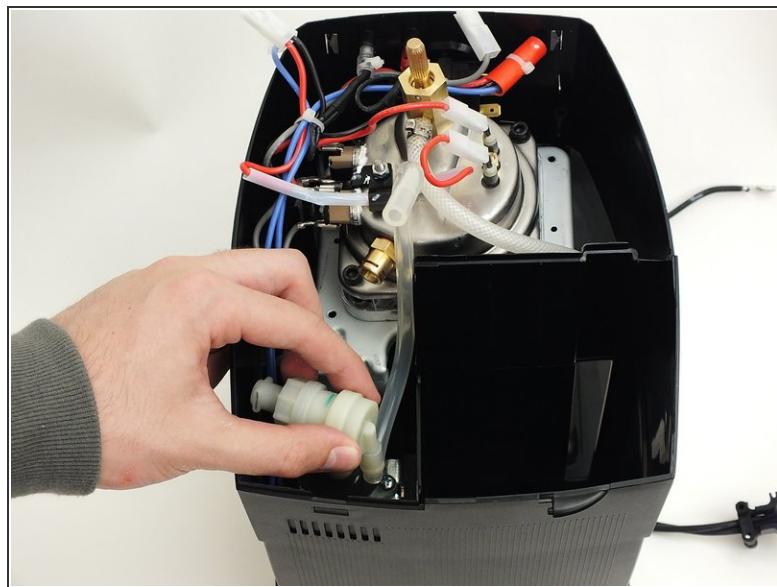
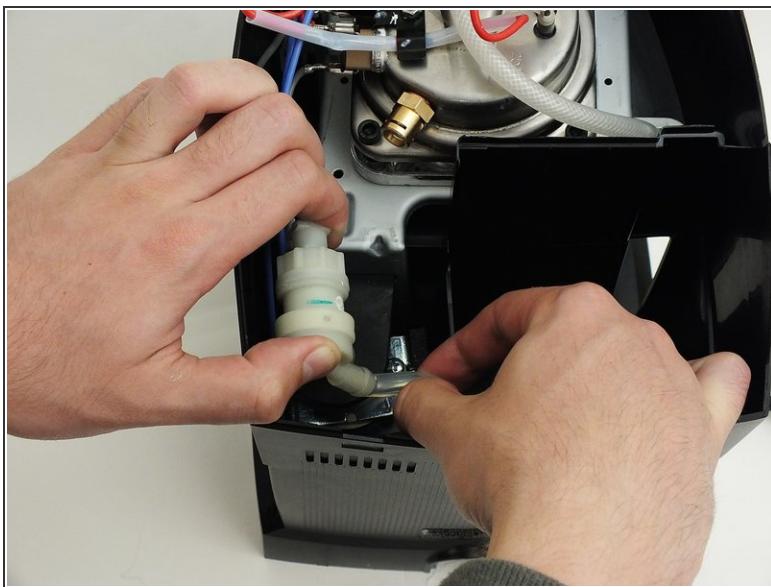
- Pull out each LED with one quick tug.
- Similarly, remove each set of wires from the setting tuner with one quick tug.

## Step 15



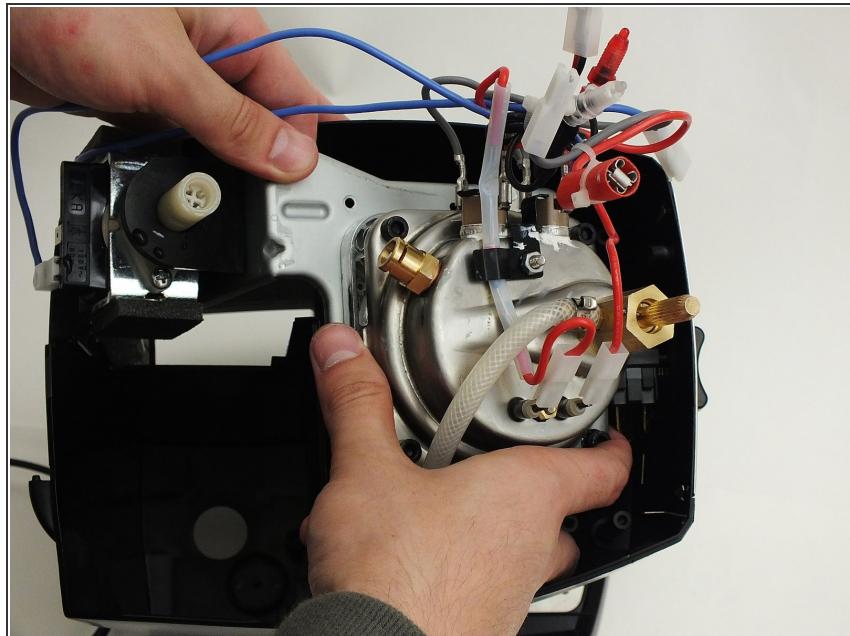
- Flip the device and remove one end of the tube from the reservoir hole.
- Completely remove the other tube from both the reservoir hole and filter to the water pump.

## Step 16



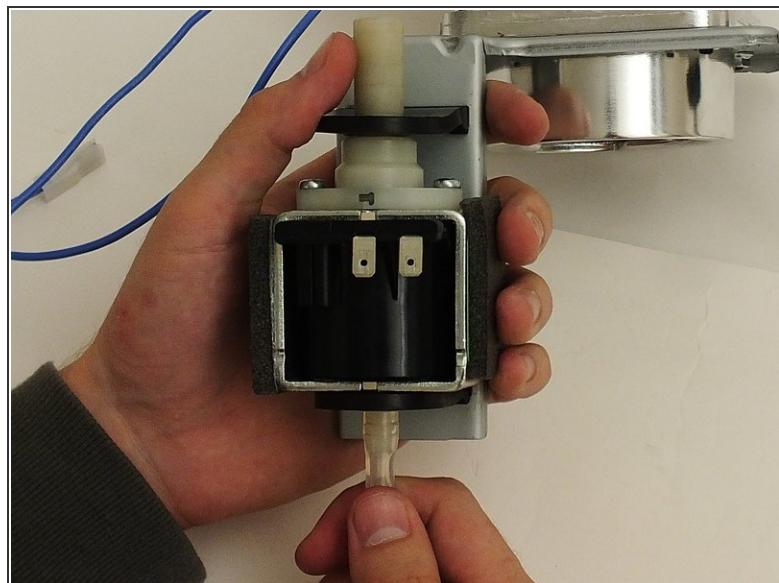
- Pull the tube through the chamber with the water pump so it comes out of the top end.
- Twist the valve counter-clockwise while pulling gently.

## Step 17



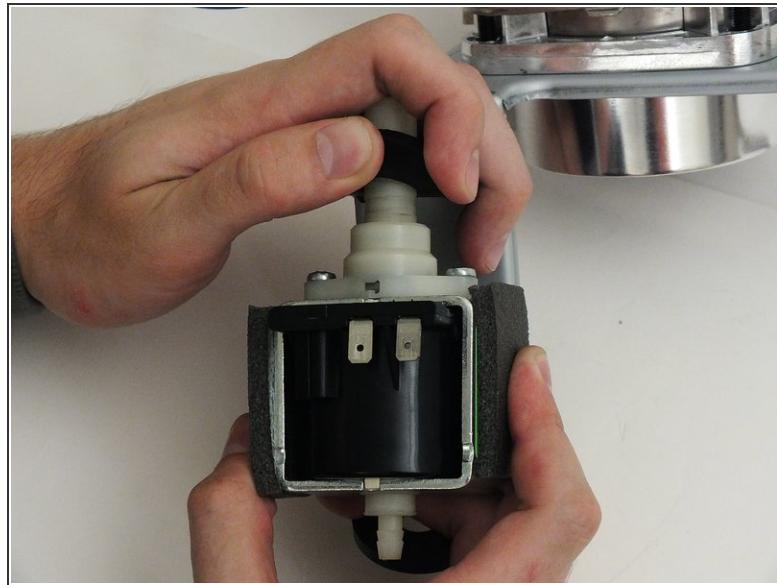
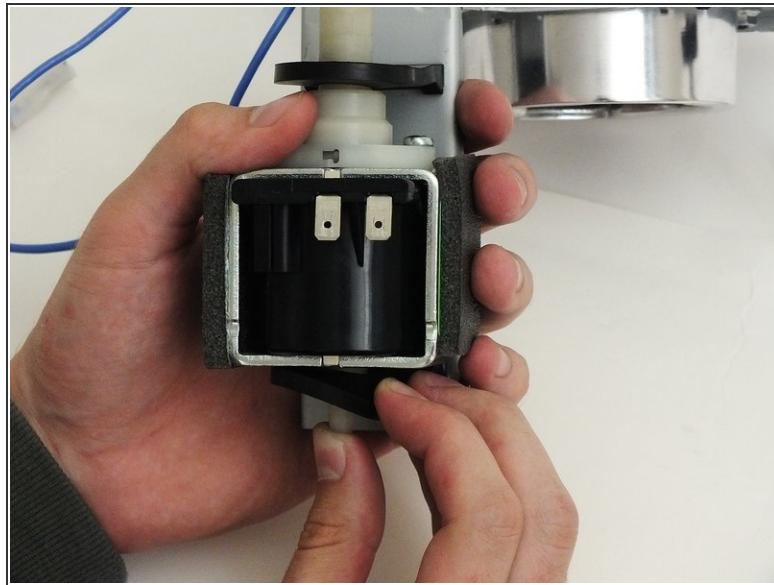
- Tilt the core towards the front while lifting from the back.
- *i* If the core is proving difficult to remove, a wire might be caught somewhere, likely near the water pump. We recommend shaking slightly as you lift since the frothing tube is at an odd angle.
- *i* We also recommend that you remove the valve before removing the core so that there is less obstructing movement. But the core can be removed without removing the valve.

## Step 18 — Water Pump



- Remove both sets of wires from the black box.
- Remove the filter attached to the bottom of the pump.

## Step 19



- Pull off the black foam from the bottom.
- Pull off the black foam from the top.

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