Fujifilm FinePix T500 Shutter and Power Button Circuit Board Replacement

When the shutter and power buttons on your...

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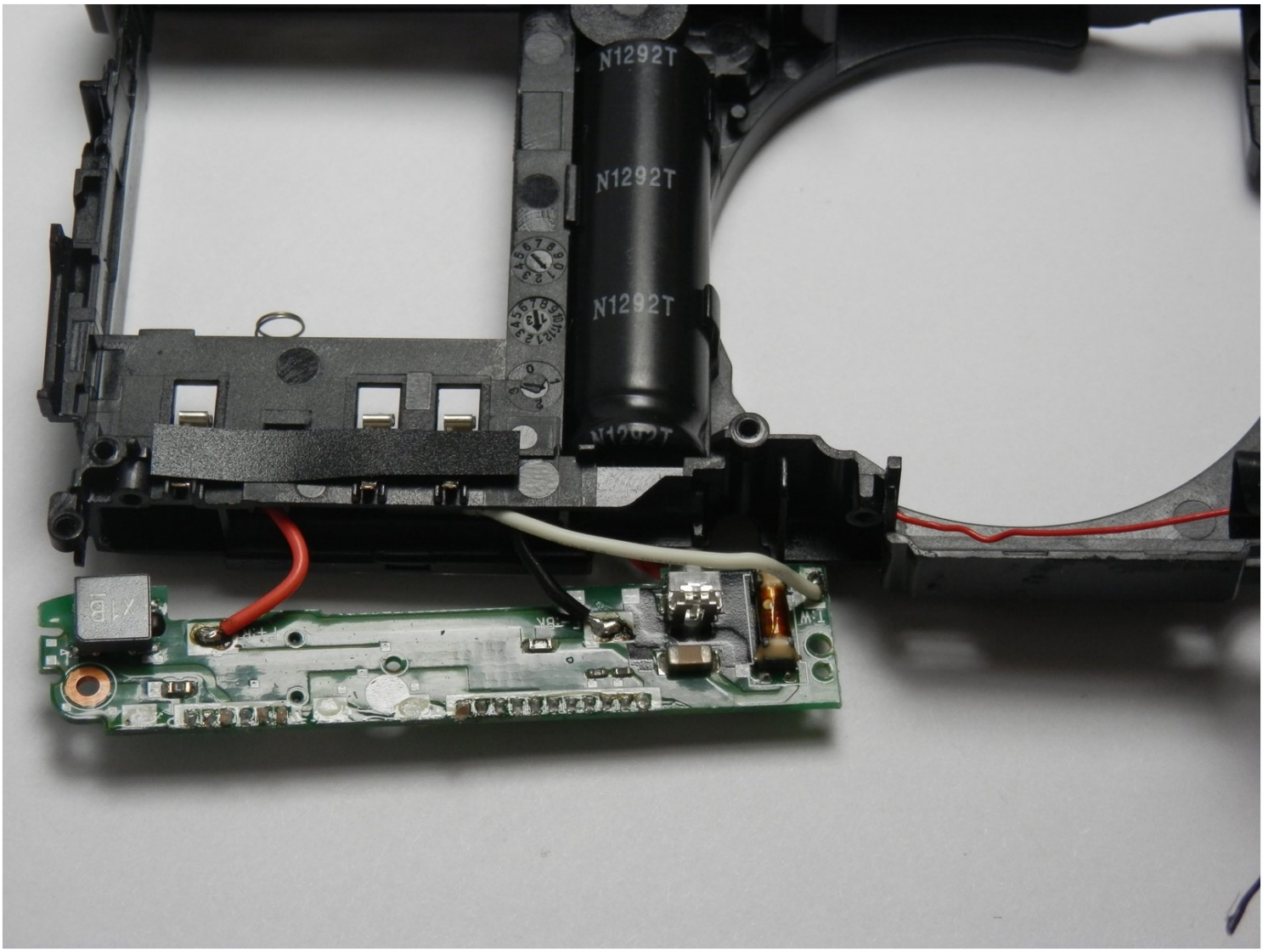


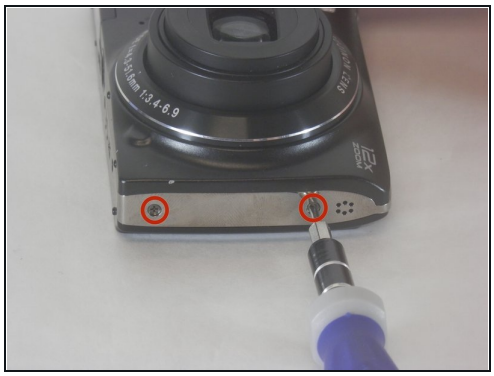
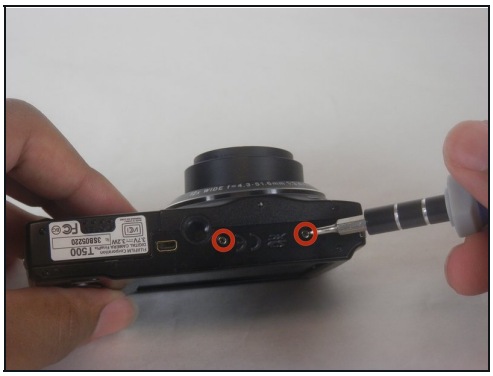
INTRODUCTION

When the shutter and power buttons on your Fujifilm FinePix T500 camera aren't working, it could be that the circuit board that they're connected to is broken. This guide will show you how to get to that circuit board and replace it.

TOOLS:

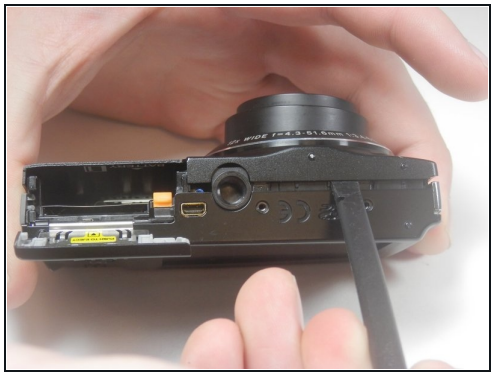
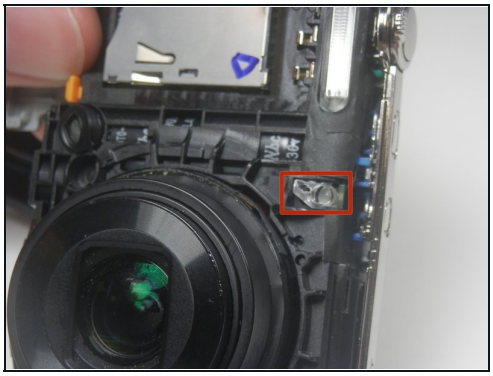
Phillips #00 Screwdriver (1)
Spudger (1)
Soldering Iron 60w Hakko 503F (1)
Tweezers (1)

Step 1 — LCD Screen


- Unscrew the six 3.5mm Philips head from the outer casing.

Step 2

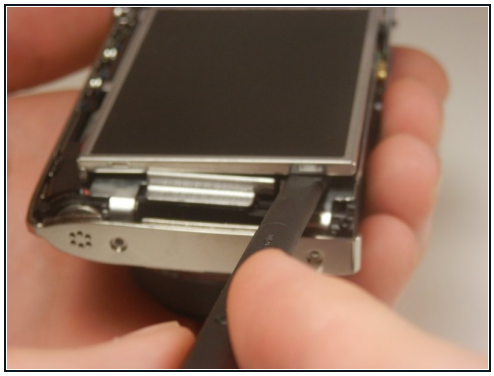
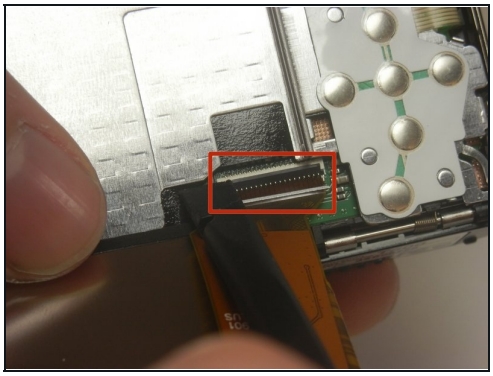
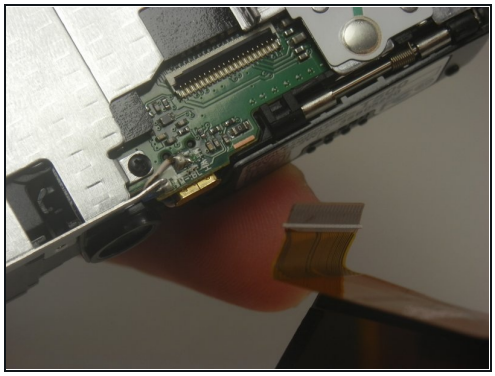

- Open the battery chamber and remove the battery.
- Pry the front half of the casing from the camera.
- Be careful that the sensor cover—the small piece of translucent plastic—doesn't fall out of place. Return it to its original location if it does.

Step 3


- Pry the back half of the casing from the camera.

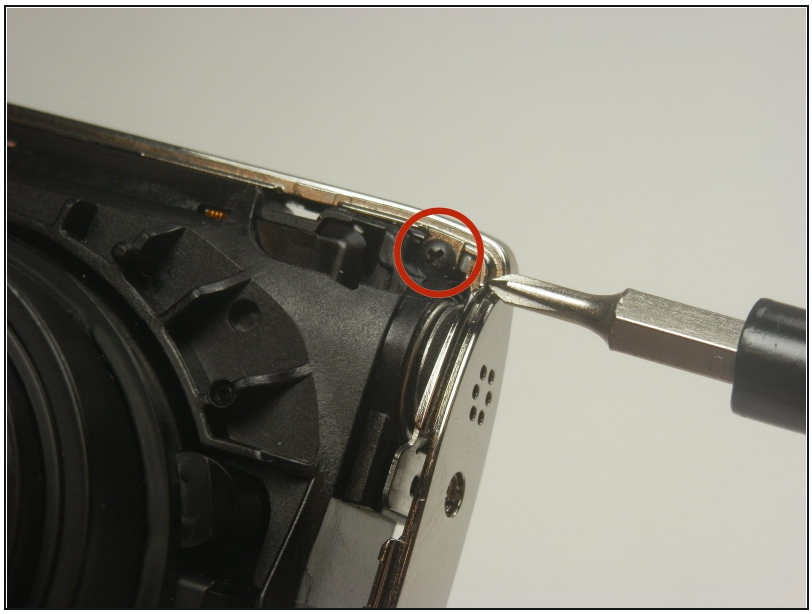
ⓘ Be careful when maneuvering the camera without the casing on as the LCD screen is not fastened to anything.

Step 4

- Lift the LCD screen out of the camera.
- There is a tab that keeps in place the ribbon that attaches the screen and motherboard. Lift this up using the spudger and disconnect the screen from the motherboard.

Step 5 — Lens



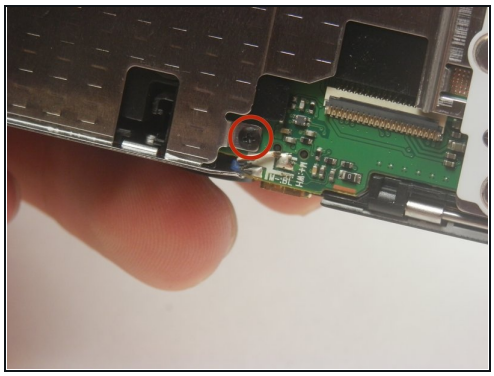
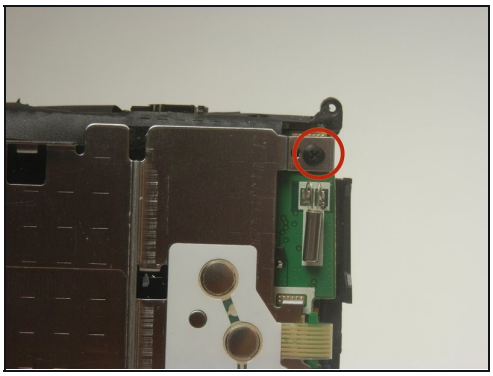
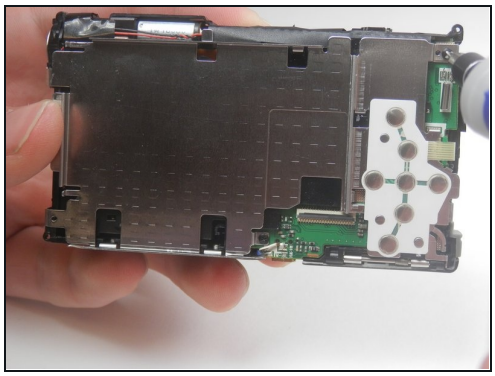
- Unscrew the 3.5 mm Phillips head screw from the corner of the camera.

Step 6



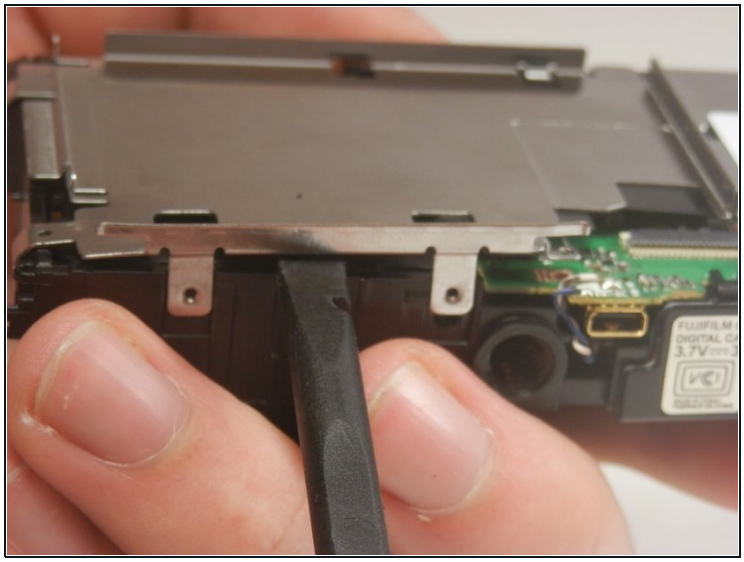
- Pry the center casing off the camera. This is best done by separating the top and side sections individually.

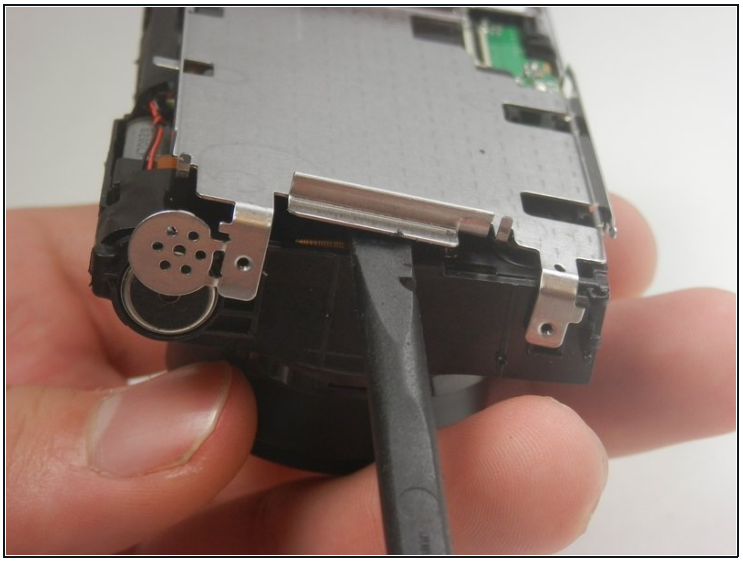
Step 7

- Unscrew the two 3.5 mm Phillips head screws in the metal plate.

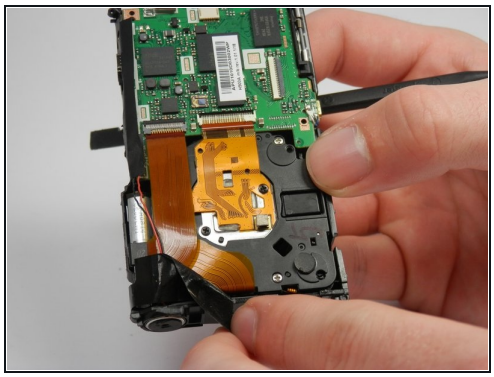
Step 8

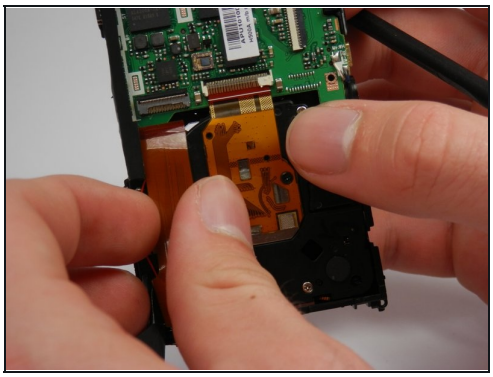


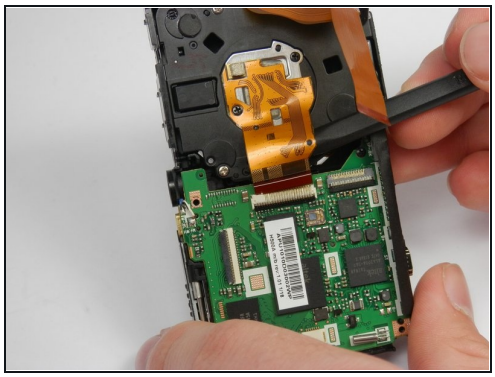


- Pry the metal plate out using the spudger.

Step 9

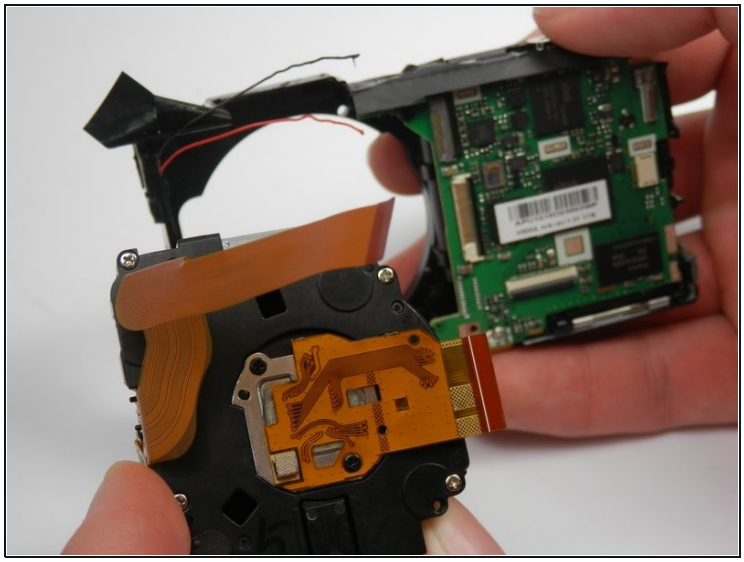


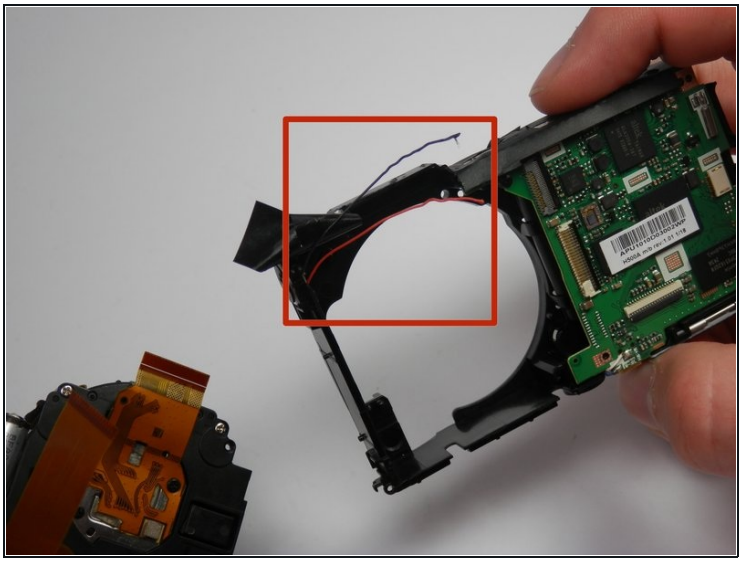




- Peel back the strip of black tape to reveal a red and black wire.
- Detach the orange ribbon by gently pulling on it.
- Detach the golden ribbon by gently lifting it with the spudger.

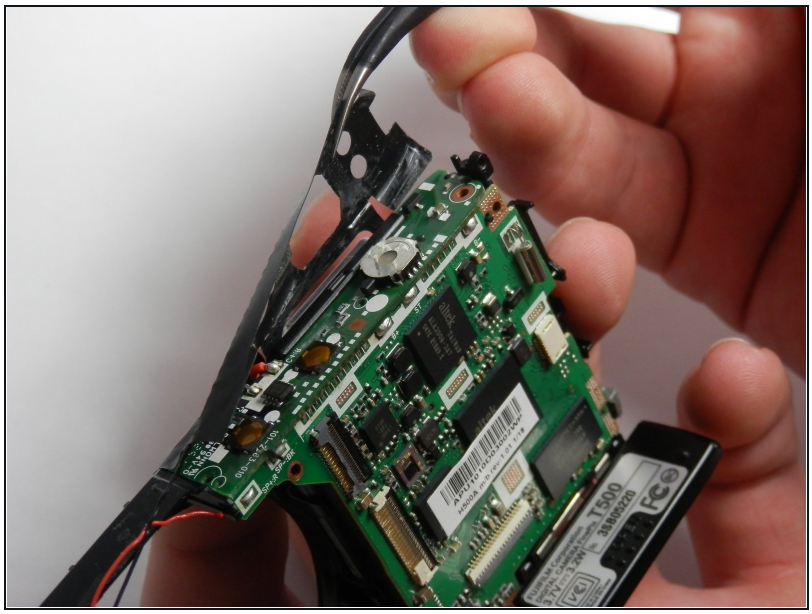
Step 10





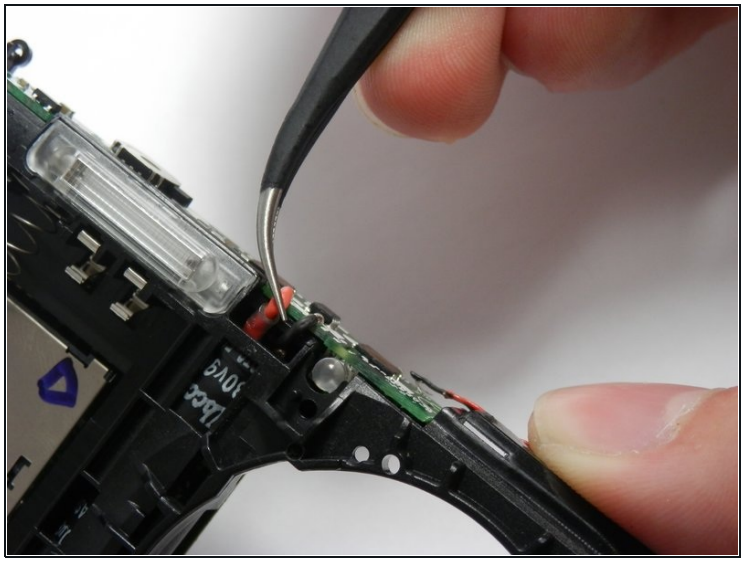
- The lens should now be free to simply be pushed out of its socket.
- The black and red wires that were exposed previously may be in the way of removing the lens and may break. If they do, you will need to solder these wires back into place upon reassembly.

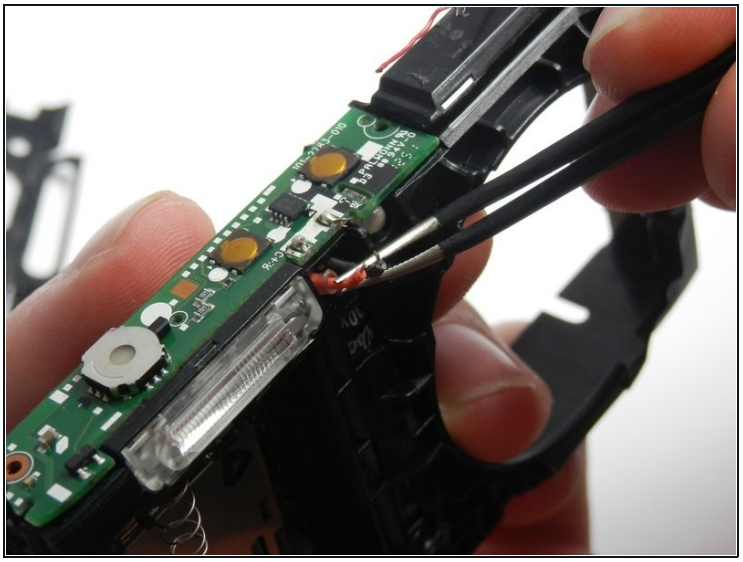
Step 11 — Motherboard



- Use tweezers to pull back the plastic covering the top of the camera.

Step 12

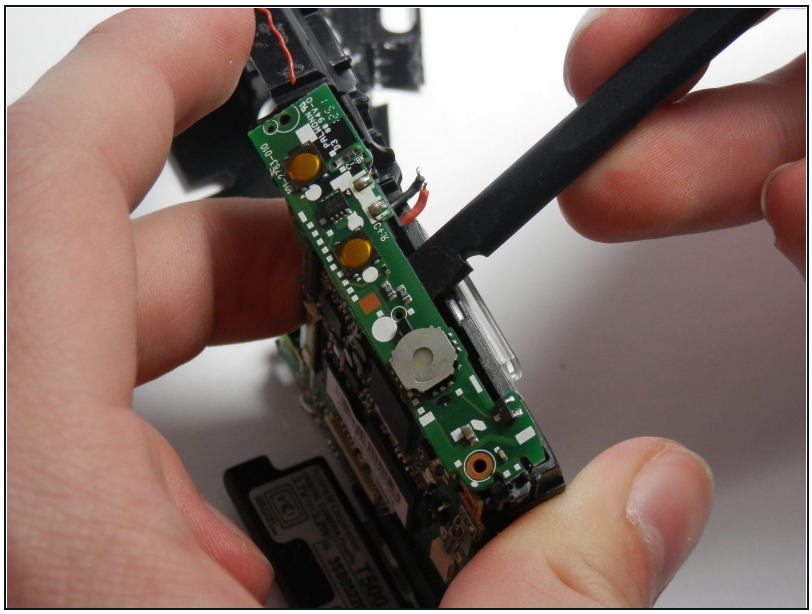




- Use tweezers to disconnect both the red and the black wires located next to the flash of the camera.

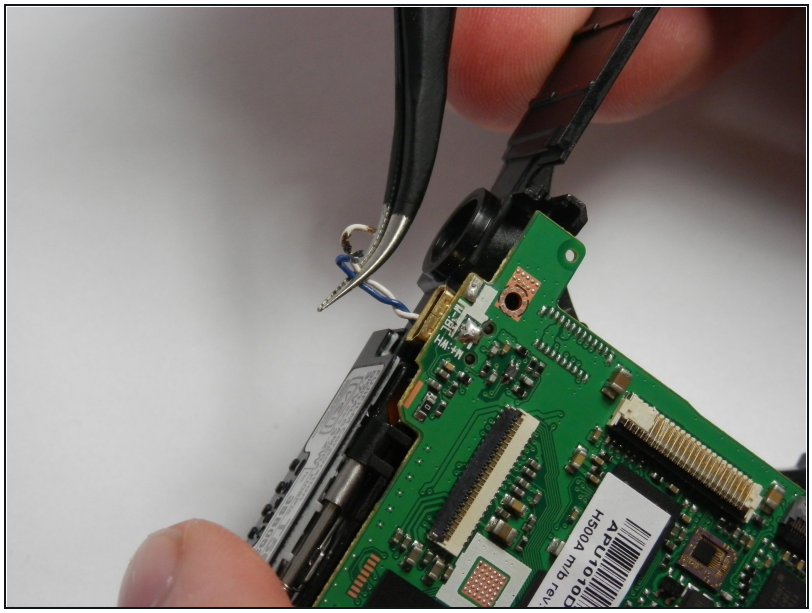
ⓘ These wires will need to be soldered back in place upon reassembly.

Step 13



- Pry off the top circuit board using the spudger.

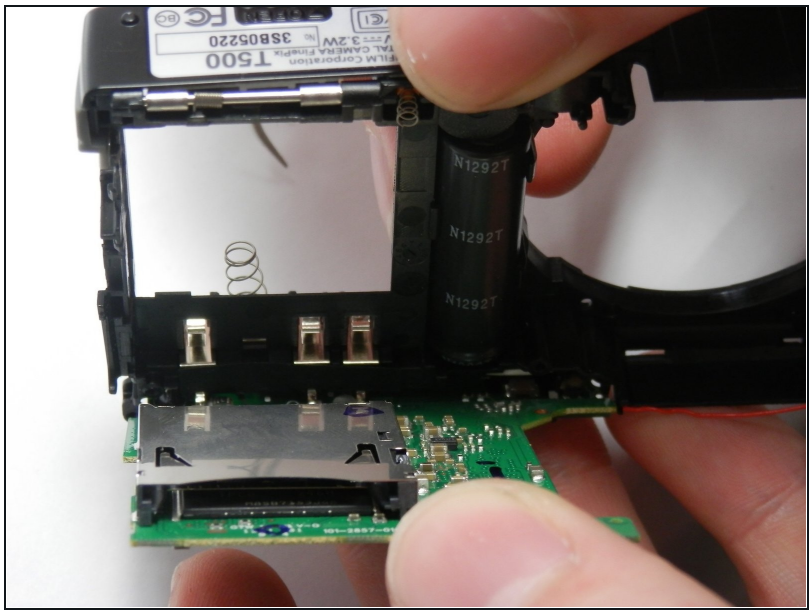
Step 14



- Use tweezers to disconnect the blue and white wires on the underside of the camera.

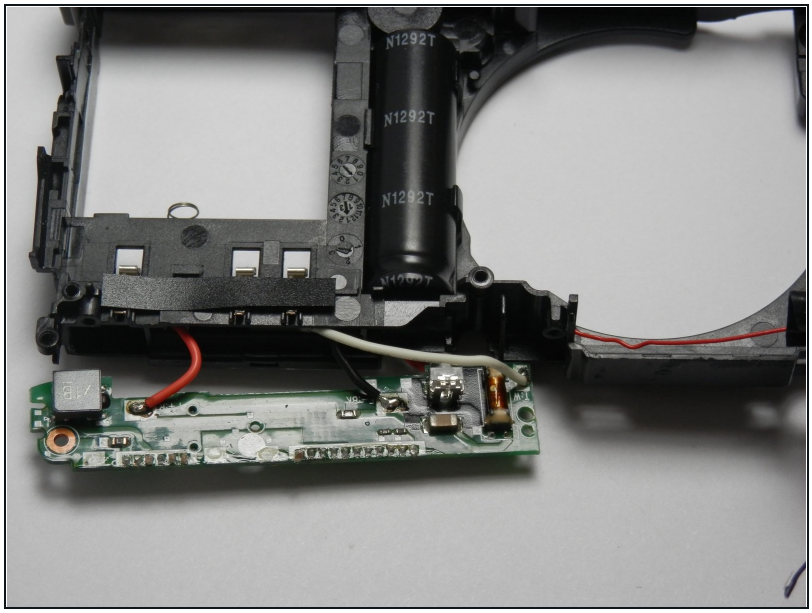
ⓘ These wires will need to be soldered back in place upon reassembly.

Step 15



- Push the motherboard out of the camera body.

Step 16 — Shutter and Power Button Circuit Board



- Detach the red, black, and white wires from the circuit board that you pried off earlier.

ⓘ You will have to solder these wires in the same locations on your replacement circuit board. Removing the motherboard makes accessing the wires easier and eliminates the risk of the motherboard being damaged from a soldering accident.

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