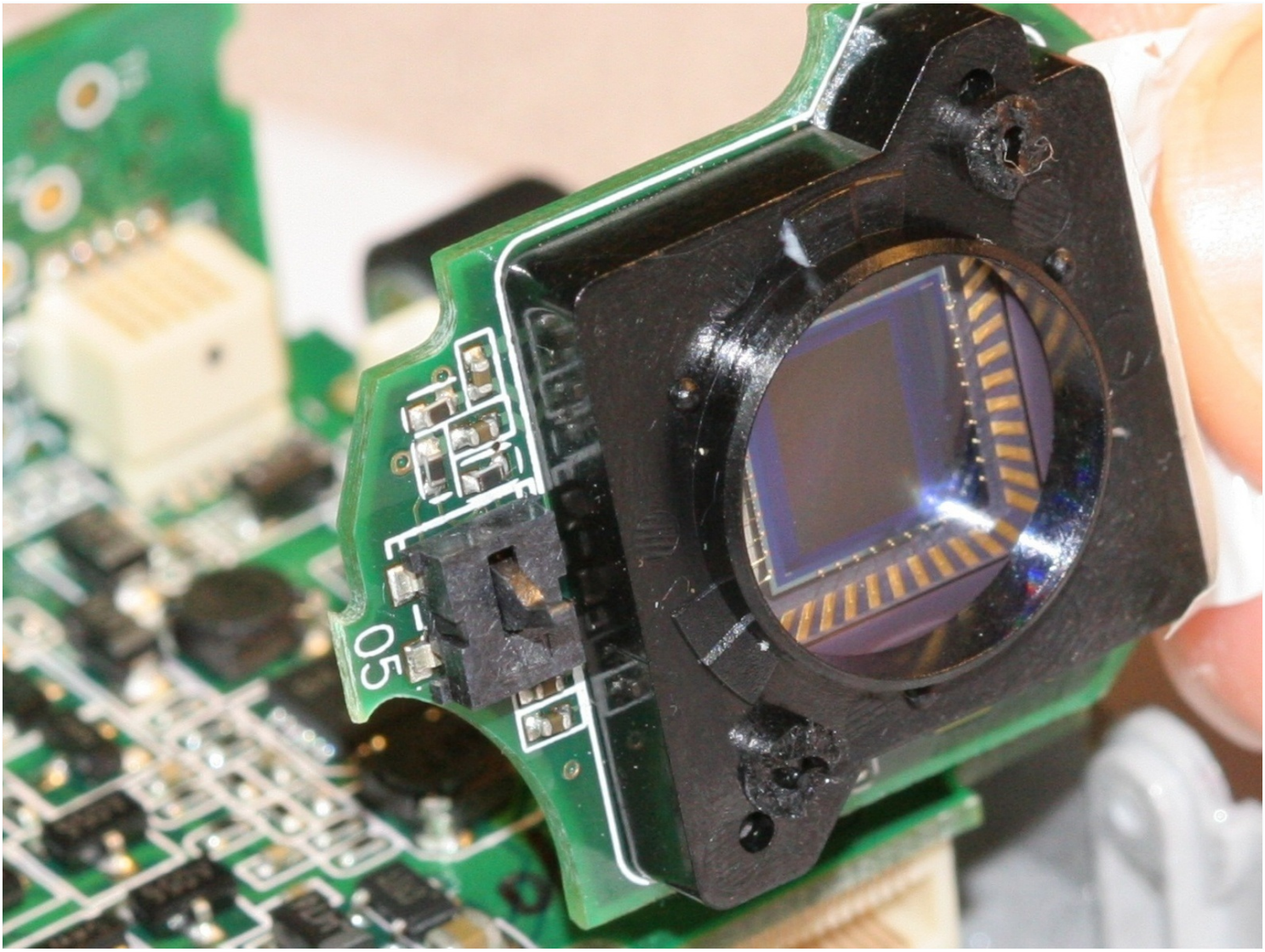
Aiptek DZO-V58N Image Sensor Replacement

The image sensor is the component of the device...

Written By: Zachary Yun



INTRODUCTION

The image sensor is the component of the device responsible for sensing the light through the lens and converting it into an electrical signal. The sensor captures a new image 30 times per second in order to create a video. The sensor is a very fragile and sensitive component. Take caution when handling the new image sensor to be installed in the device. Use this guide to replace the image sensor.

TOOLS:

Tweezers (1)
Phillips #00 Screwdriver (1)
iFixit Opening Tool (1)

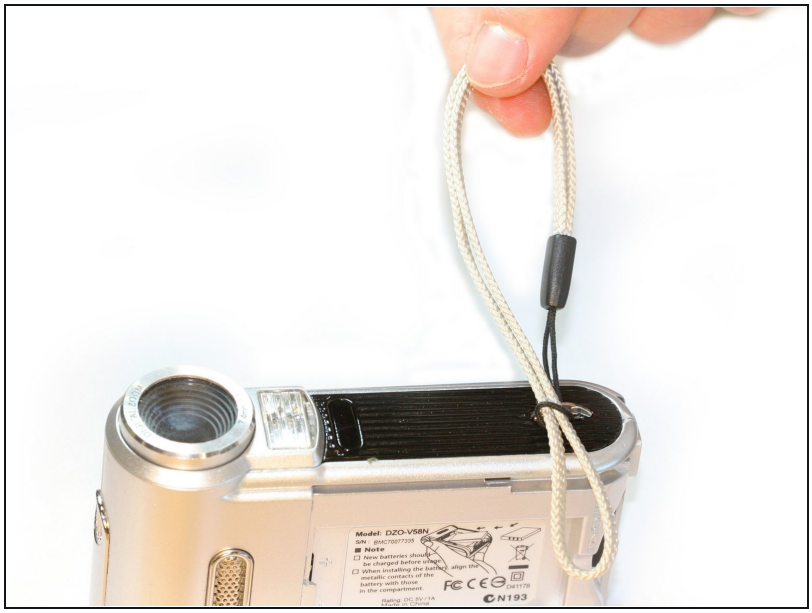
Step 1 — Battery

- Locate the battery compartment on the back of the camera. It is the panel with the plastic ridges for simple removal.
- Slide the battery compartment cover down off of the camera body.

Step 2

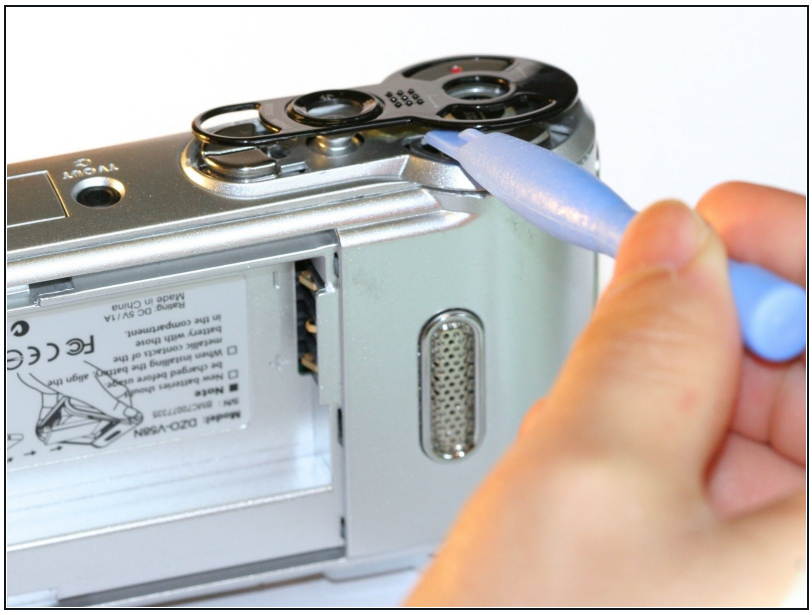
- Pry up the battery from the bottom using a finger and remove the batter from the case.

Step 3 — Lens Protector



- Remove the lanyard by pulling the grey lace through the black string loop.
- Pull black string loop through the silver bracket.

Step 4



- Use a plastic opening tool to pry off the black control cover.

ⓘ The face plates are glued, so use force to pry the face plates from the camera body.

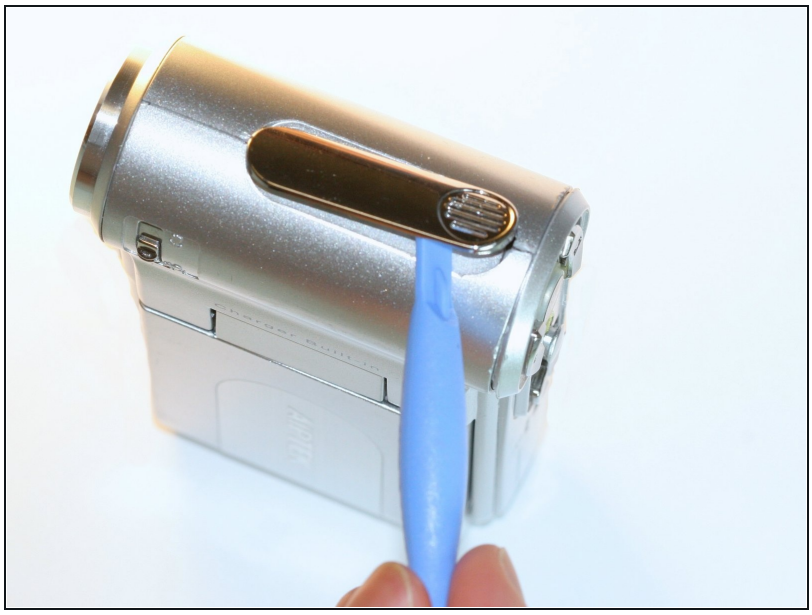
Step 5

- Use a plastic opening tool to pry off the ridged back face plate and the black button.

ⓘ The face plates are glued, so use force to pry the face plates from the camera body.

ⓘ The button is loose and should come off with little or no effort.

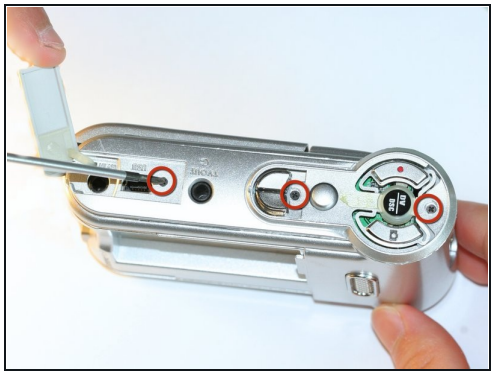
Step 6

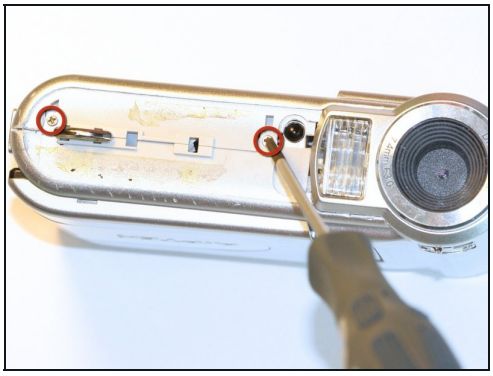


- Use a plastic opening tool to pry off the silver face plate.

ⓘ The face plates are glued, so use force to pry the face plates from the camera body.

Step 7





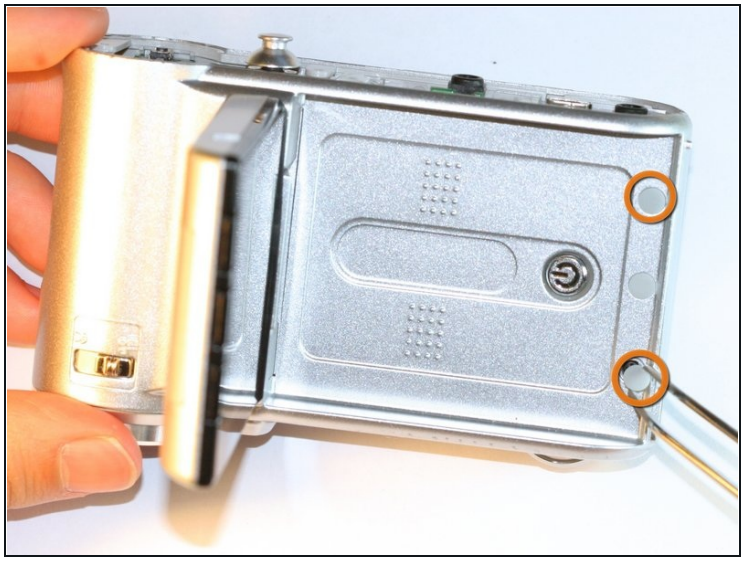
- Open the USB cover to expose the small machine screw.
- Use the Phillips #00 screwdriver to unscrew the six 0.5cm machine case screws (distributed around the camera body).

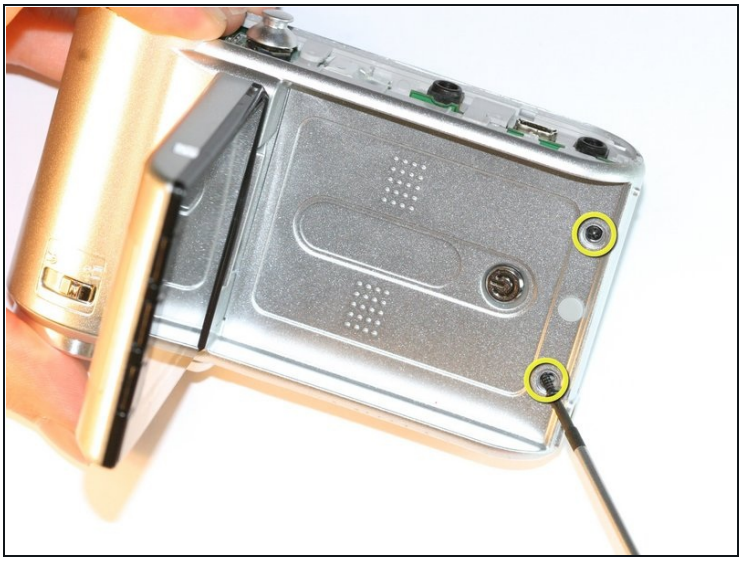
ⓘ These small screws are easy to lose. Place the removed screws in an organized container to avoid losing them.

Step 8

- Pull off the side control panel.

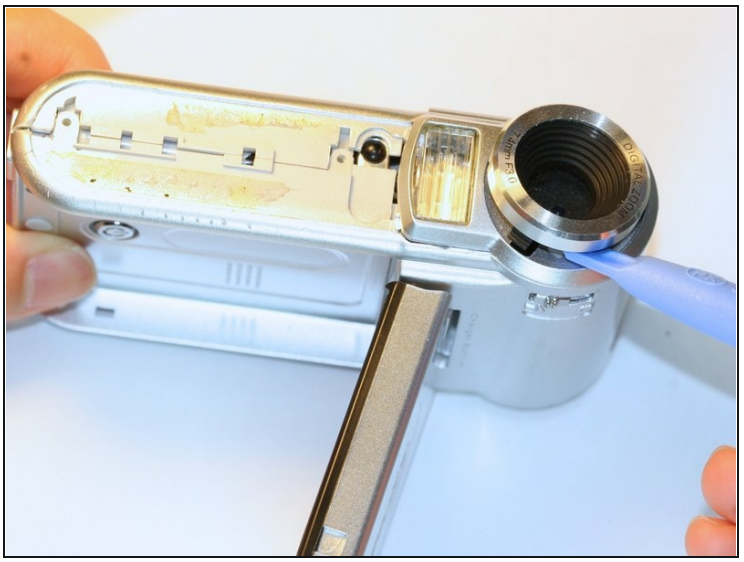
Step 9





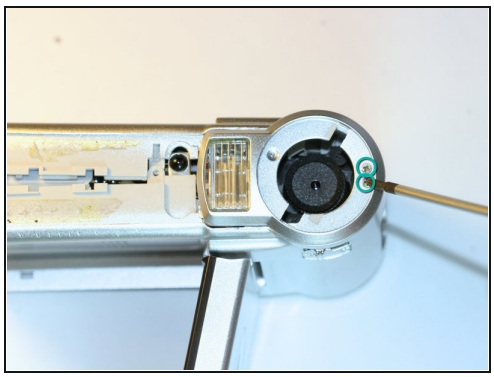
- Flip open the screen by pulling the loose end of the screen away from the case.
- Use tweezers to remove the two outside rubber dots to reveal the two 0.5cm machine screws.
- Use the #00 Phillips Screwdriver to remove both screws.

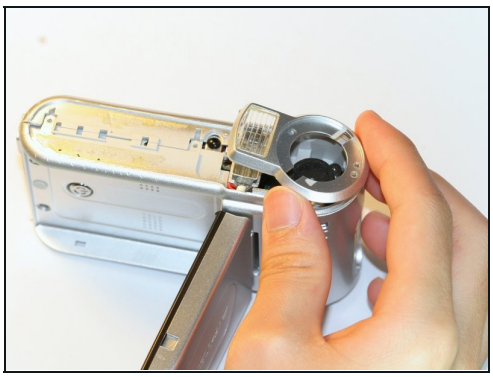
Step 10

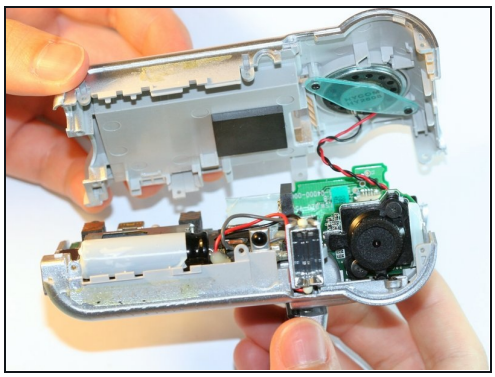


- Pull the body apart from the bottom of device just enough to make space to remove the silver plastic strap holder.
- Use tweezers to remove the silver plastic strap holder.
- Use a plastic opening tool to pry off the lens protector.

Step 11 — Lens



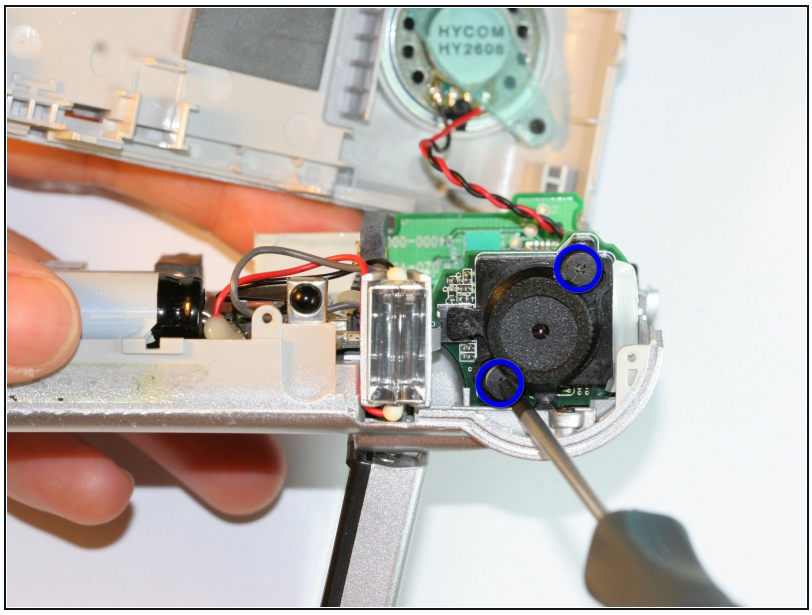




- Unscrew the two silver 0.5cm machine screws with the #00 Phillips screwdriver.
- Lift off the lens protector housing.
- Pull apart the two halves of the camera body.

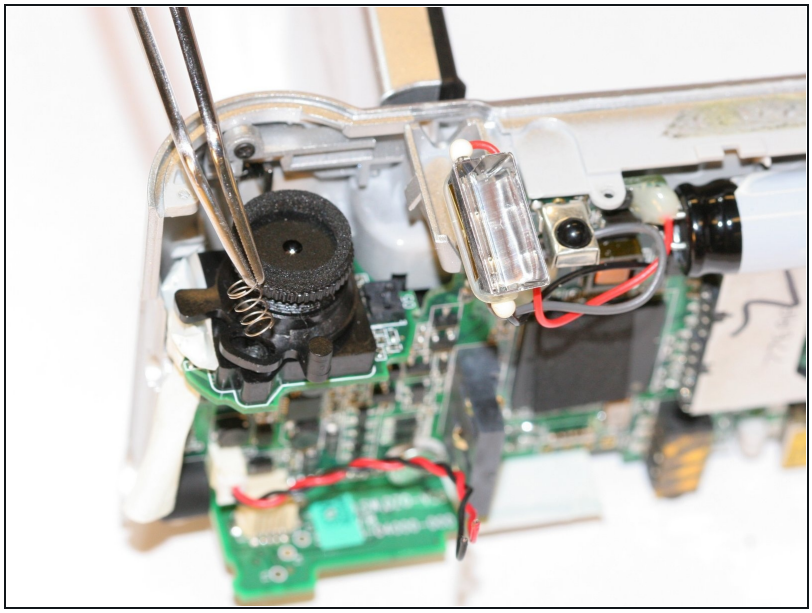
⚠ Do not pull the two halves apart too far because the wires may detach.

Step 12



- Unscrew both black machine screws holding the lens in place with the #00 Phillips screwdriver.

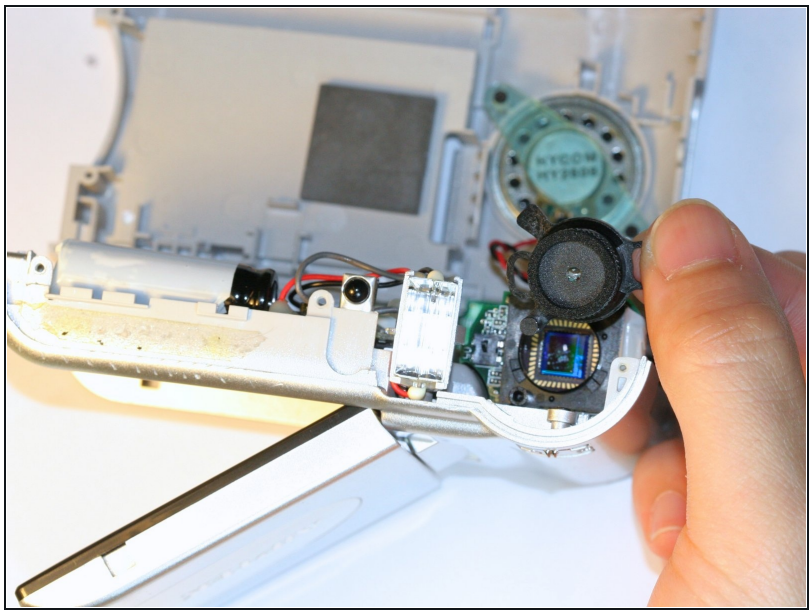
Step 13



- Carefully remove the compressed springs underneath each of the two screws that were removed in the previous step.

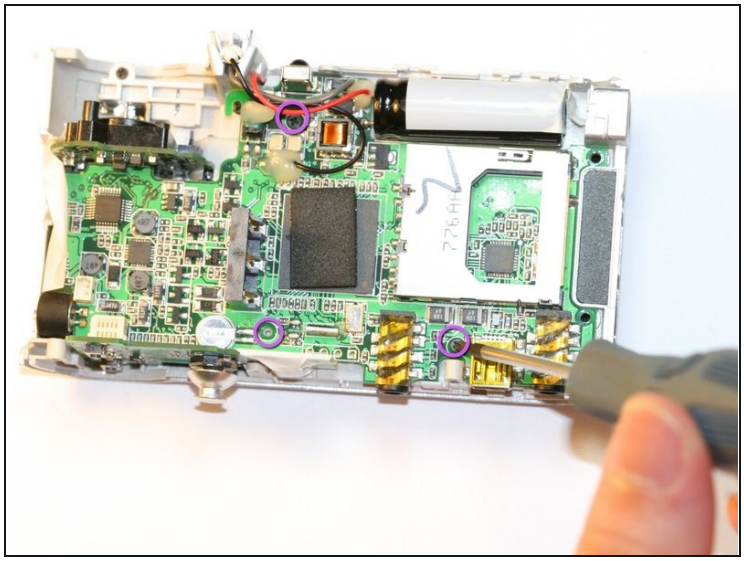
ⓘ Be careful not to lose the springs. The springs are in compression and will launch from the camera if not held onto.

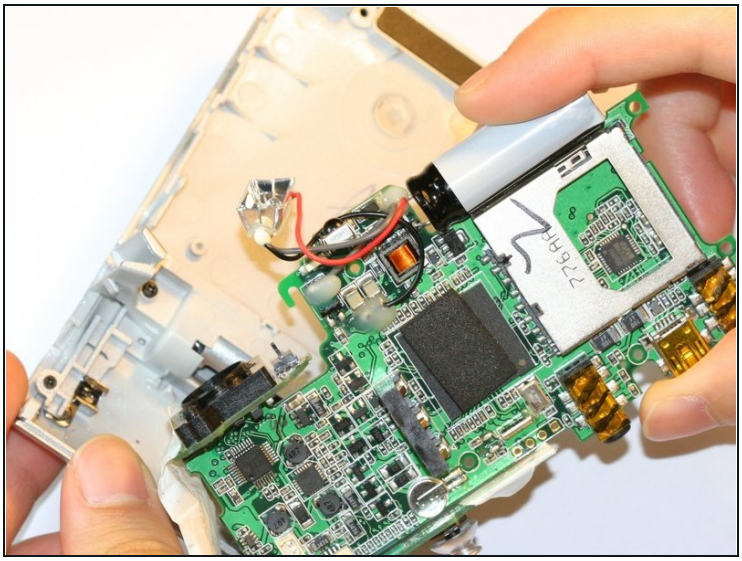
Step 14



- Lift off the lens.

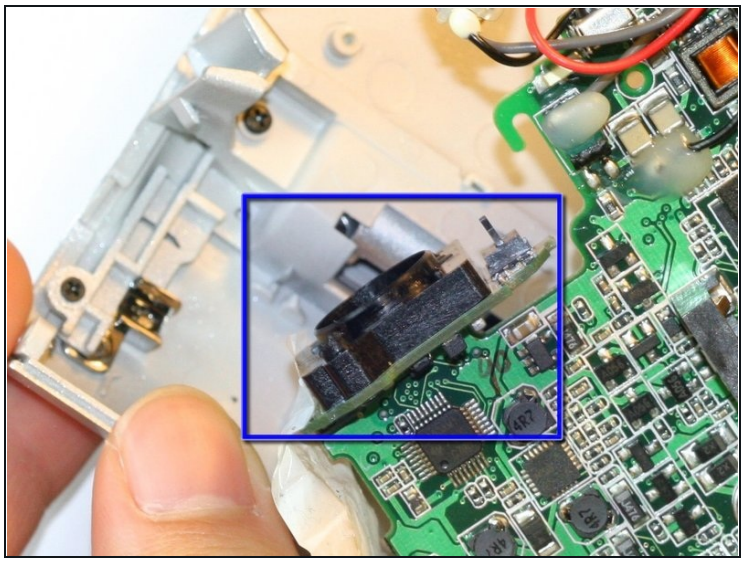
Step 15 — Image Sensor

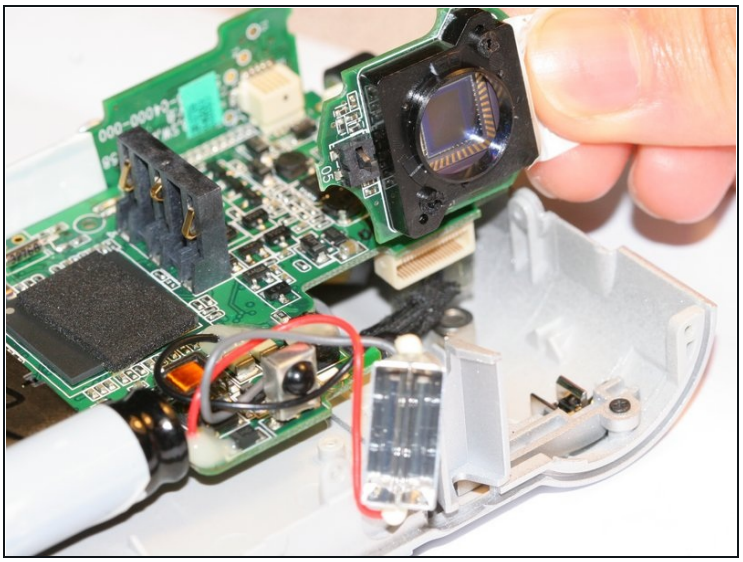




- Use the #00 Phillips Screwdriver to unscrew the 3 circuit board screws.
- Slightly separate circuit board from plastic case by lifting the circuit board straight out.

Step 16





- Unplug the image sensor from the circuit board.

⚠ Pull the image sensor straight out to avoid damage to the pin connectors.

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