



# Canon Powershot S200 Flash Unit Replacement

This guide will provide the necessary steps needed for disassembling the camera's flash unit.

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## INTRODUCTION

The flash unit provides necessary lighting when not enough is available.

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### TOOLS:

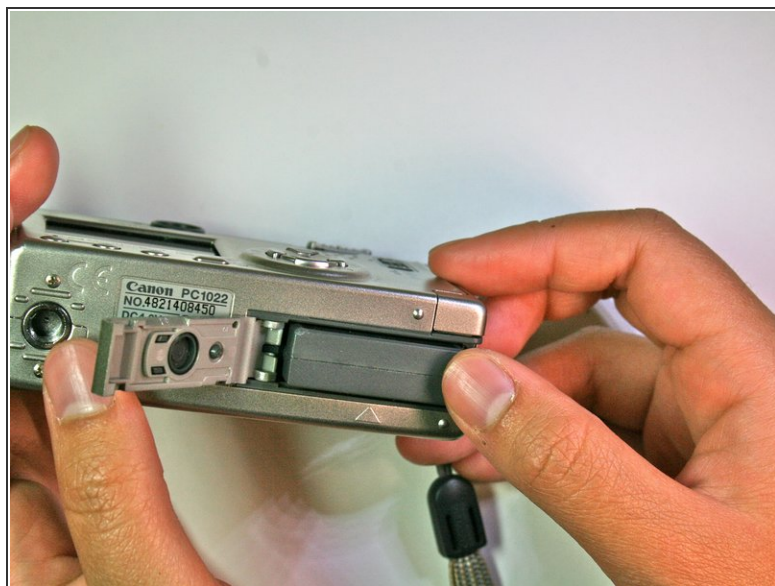
- [Soldering Iron](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Battery



- Slide the grey latch to open the battery compartment.

## Step 2



- Push and slide the orange retaining clip to the right to remove the battery.



### Step 3



- Remove battery from the camera.

### Step 4 — Motherboard



- Remove the lanyard.

## Step 5



- Position the camera so that the bottom is facing up.
- Remove the two 2.3mm screws beneath the name plate.
- Remove the two 2.8 mm screws surrounding the threaded tripod mount.

## Step 6



- Remove the 3.8mm screw from the back face of the camera.



## Step 7



- Remove the two 2.3mm screws from the right face of the camera.

## Step 8



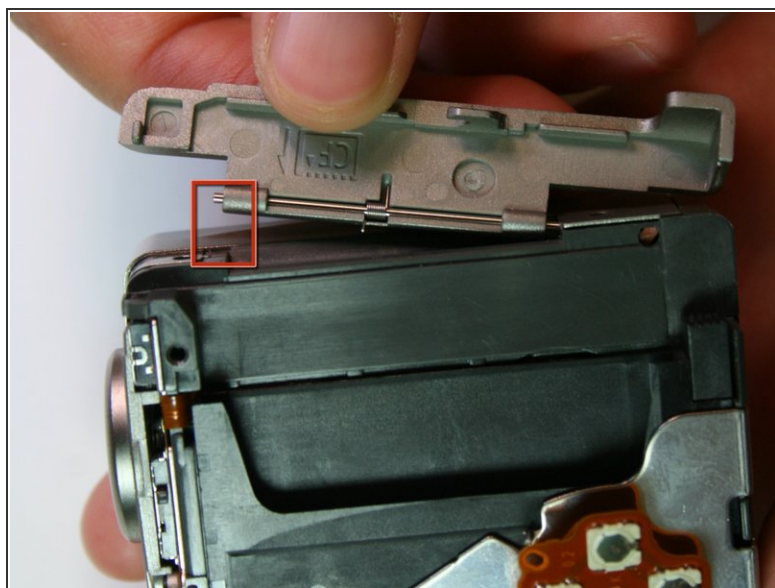
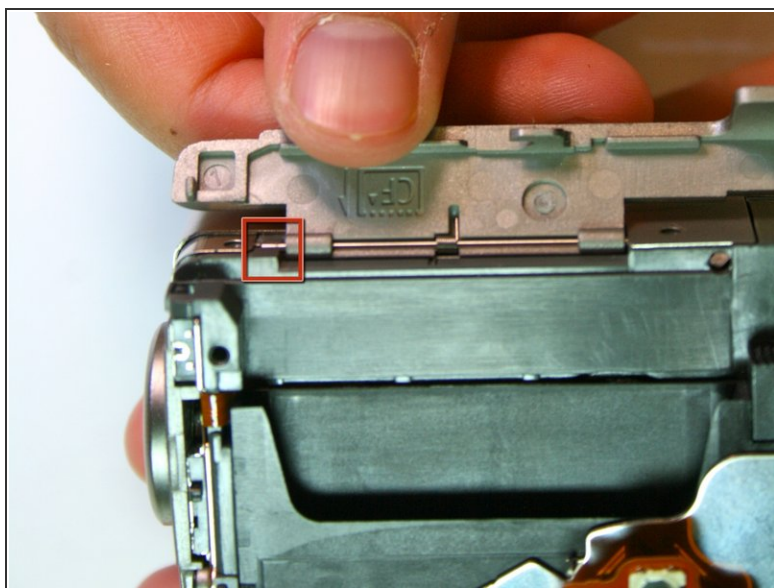
- Remove the two outer 3.2mm screws from the left side of the camera
- Remove the two inner 3.7mm screws from the left side of the camera.

## Step 9



- Pull the back face panel away from the front end of the body. This may take some wiggling and force.

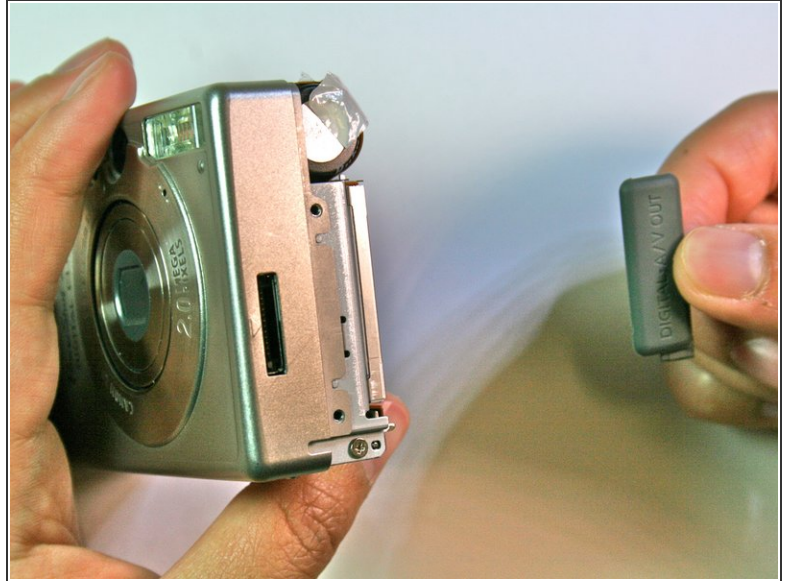
## Step 10



- Remove the CF card door from the left side of the camera body.

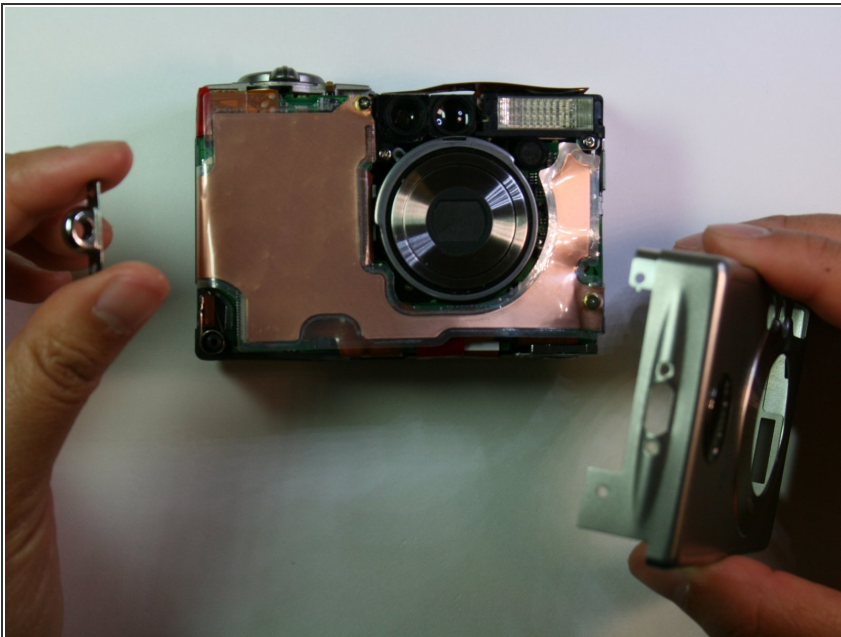


## Step 11



- Slide the rubber digital a/v cap out of place on the front plate.

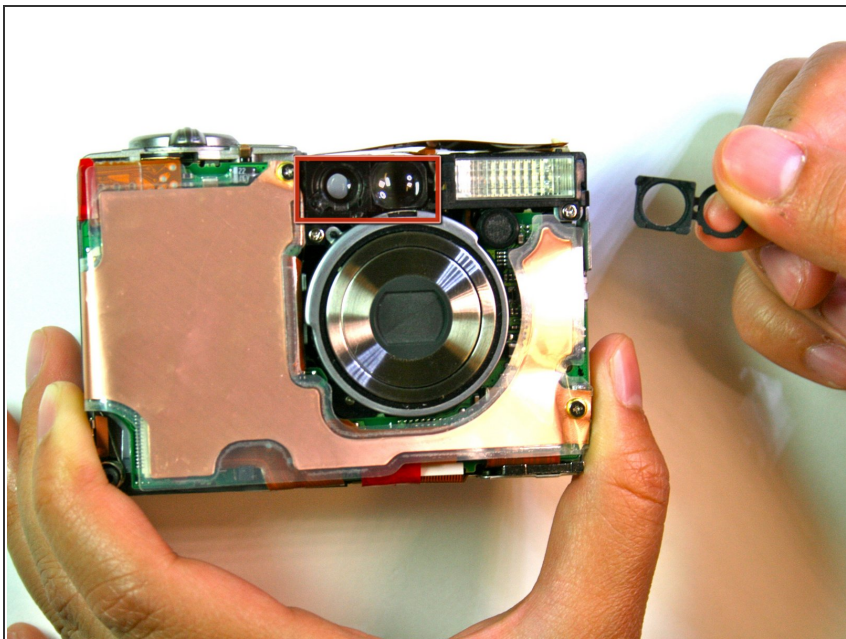
## Step 12



- Remove the front face by sliding it off.

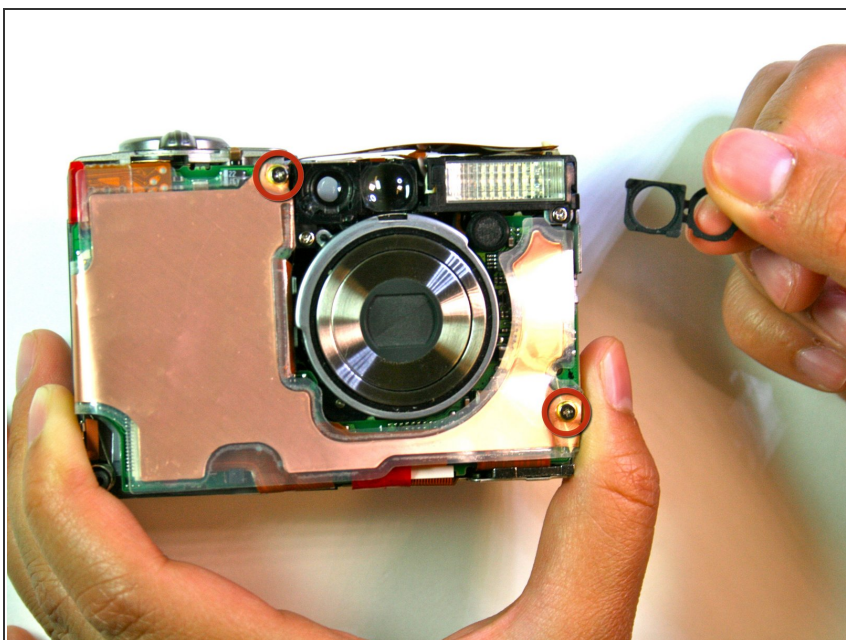


## Step 13



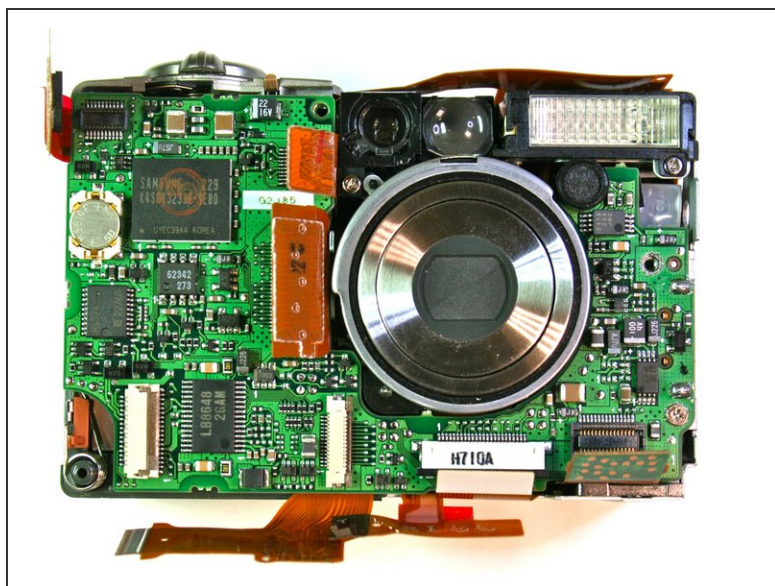
- Remove the rubber seal that covers the right side of the viewfinder.

## Step 14



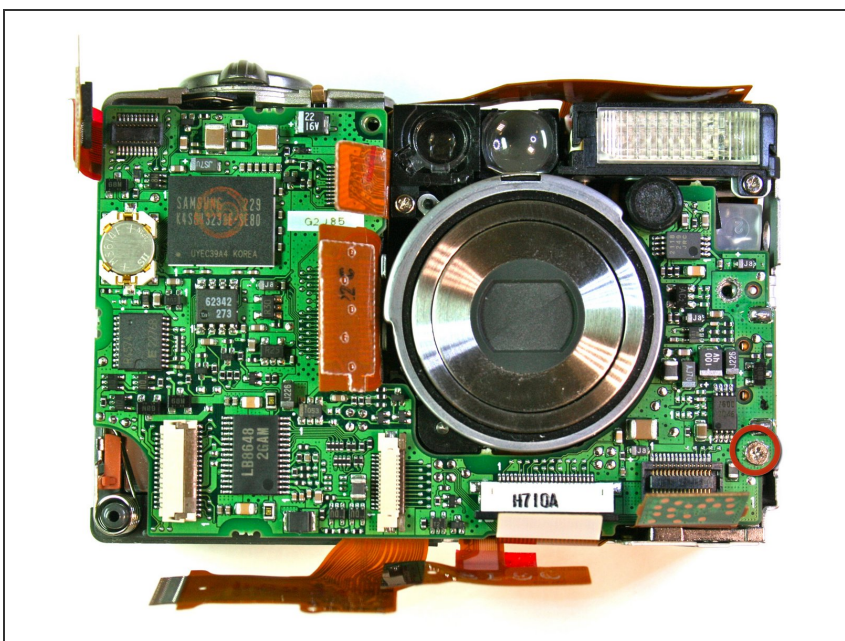
- Remove the two 3.9mm screws that hold the laminated copper sheet.

## Step 15



- Remove the wire connections that connect along the bottom of the motherboard.

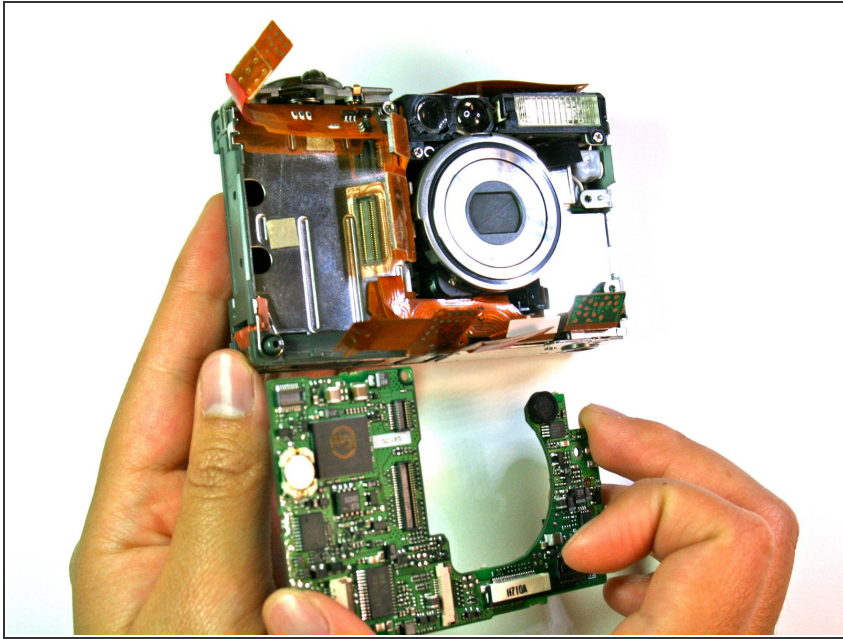
## Step 16



- Remove the single 3.8mm screw that is on the motherboard.

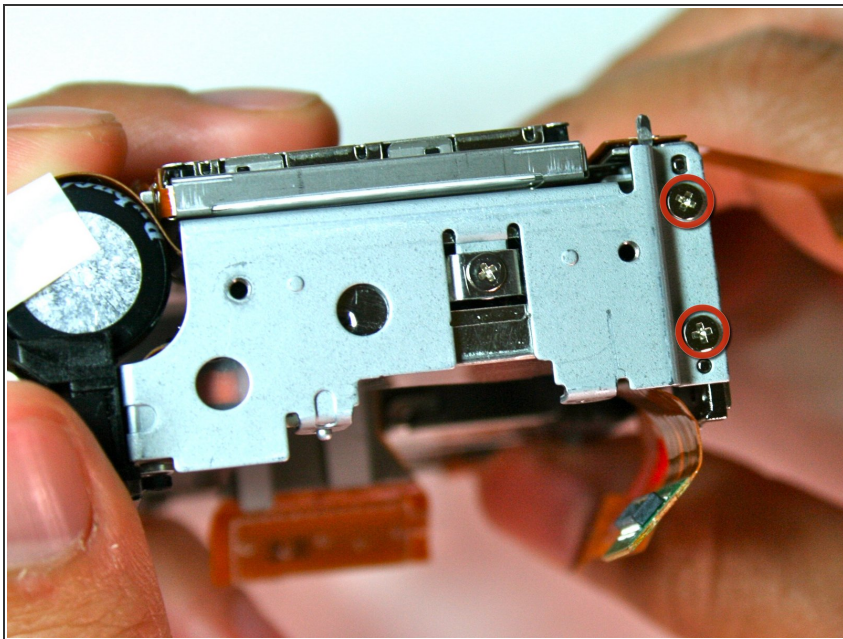


## Step 17



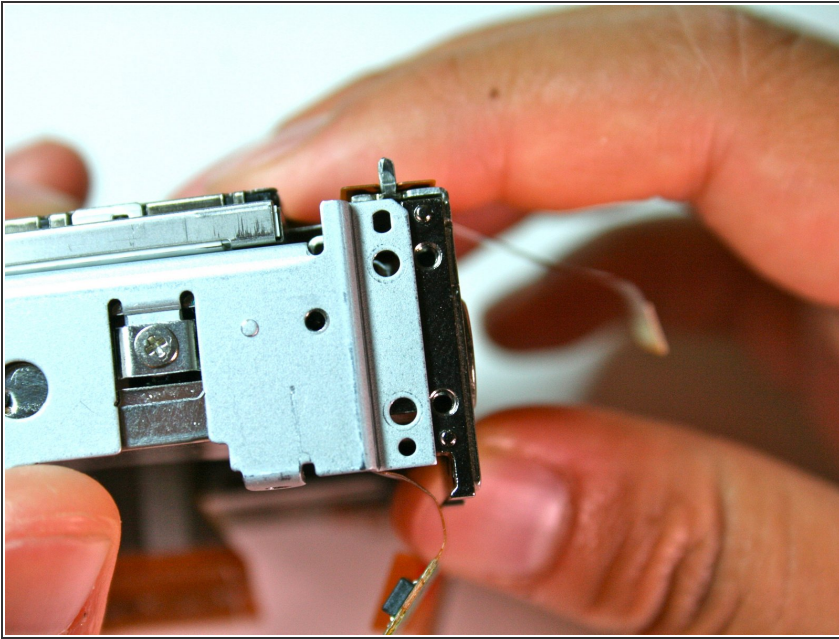
- Remove the motherboard from the main frame of the camera body.

## Step 18 — Screen



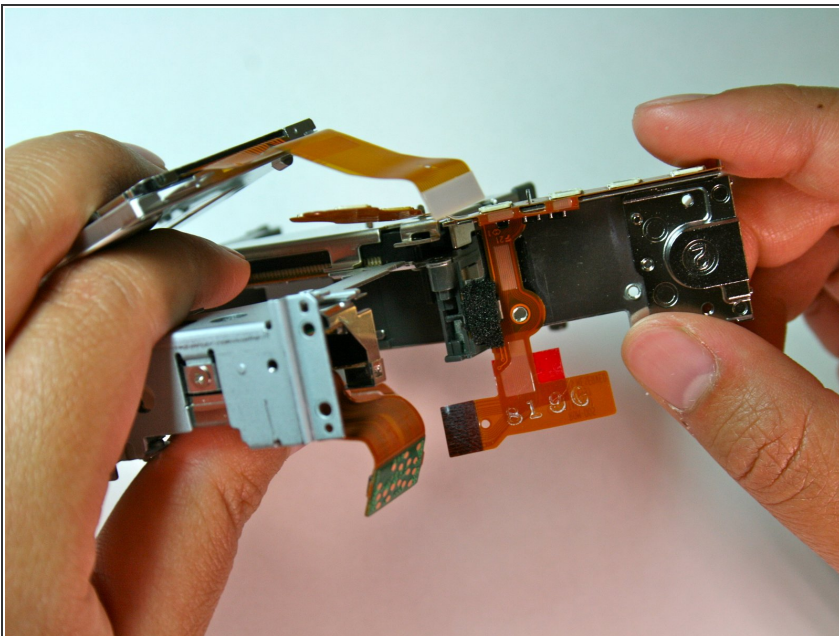
- After completing the removal of the motherboard, remove the tripod mounting screws (3.4mm) on the left side

## Step 19



- Carefully pry the left side of the housing plate from the bottom of the tripod mounting plate, releasing it from the two alignment pegs next to the screws

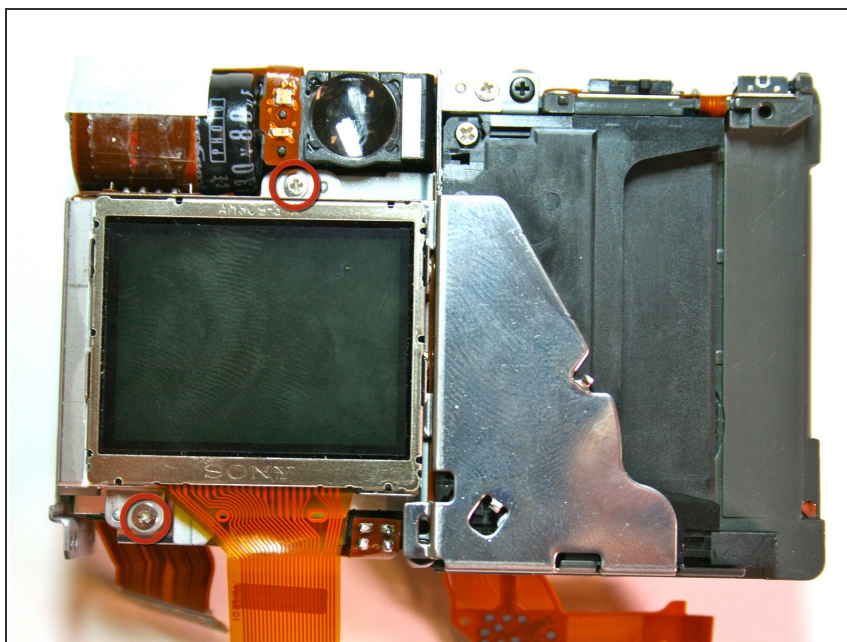
## Step 20



- Lift the left side of the tripod mounting plate towards you, lift free the mounting plate from the rest of the assembly
- Be careful because there are still wire connections attached to the mounting plate which you don't want to remove

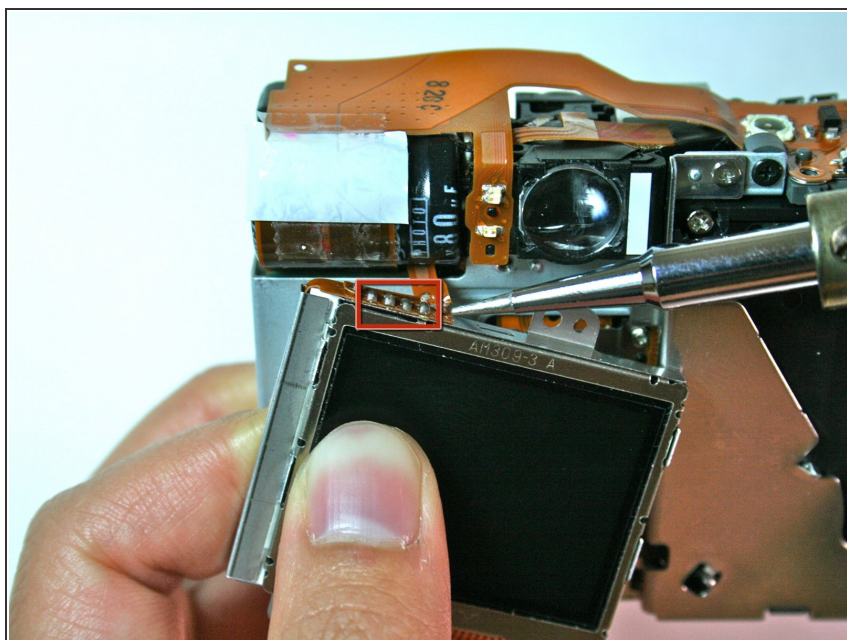


## Step 21



- Remove the 2.1mm screws from the bottom and top of the screen connecting it to the housing plate

## Step 22



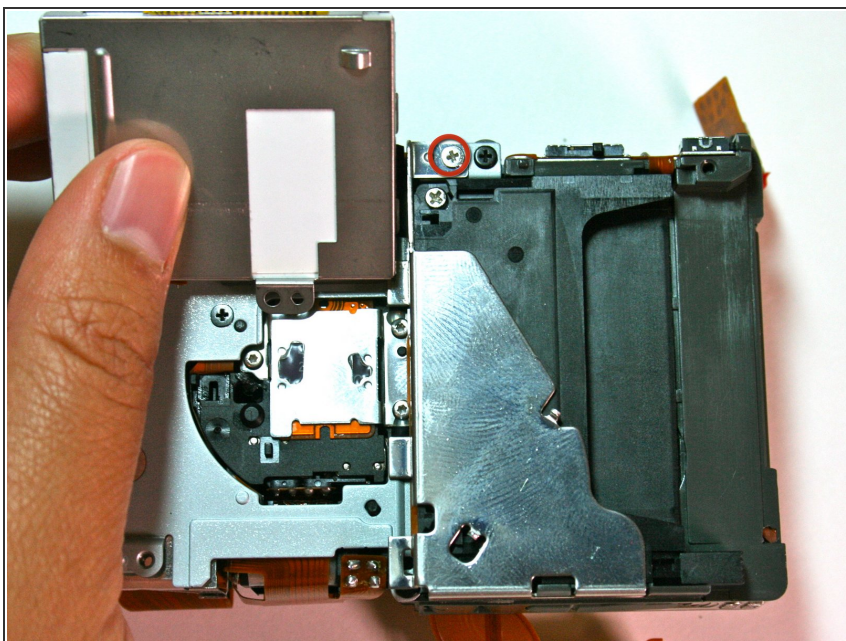
- Unsolder the four points at the top of the screen with a soldering iron

## Step 23 — Camera lens



- i** You do not need to unsolder the screen to get to the lens, but follow the rest of the steps to free the screen from the housing plate.

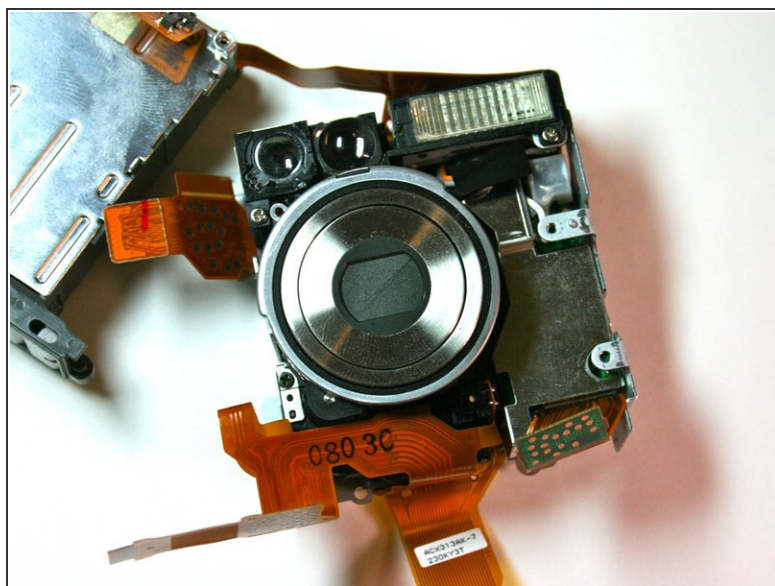
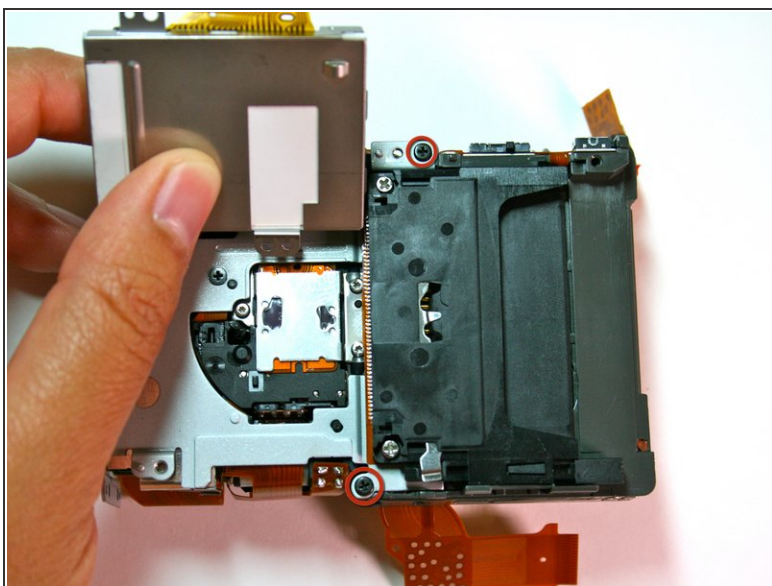
## Step 24



- Remove the card-reader shield by removing the screw at the top of the shield.

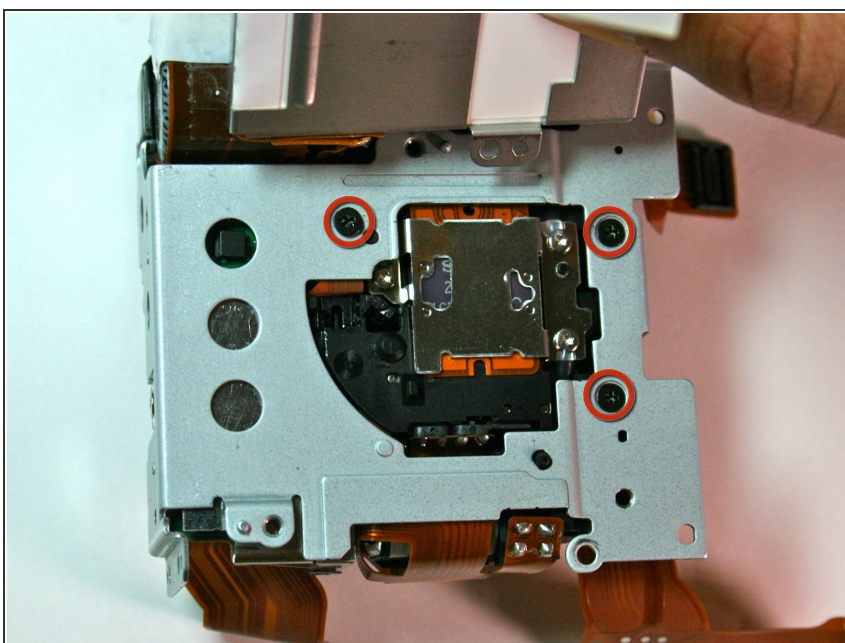


## Step 25



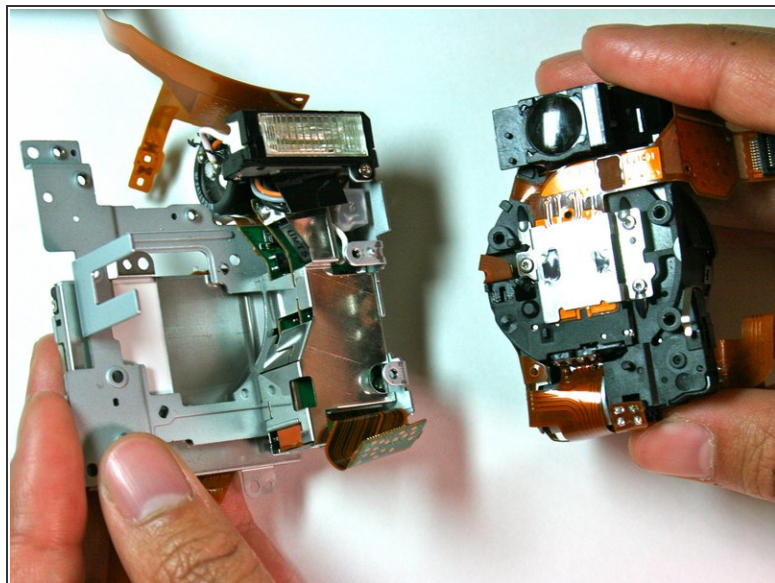
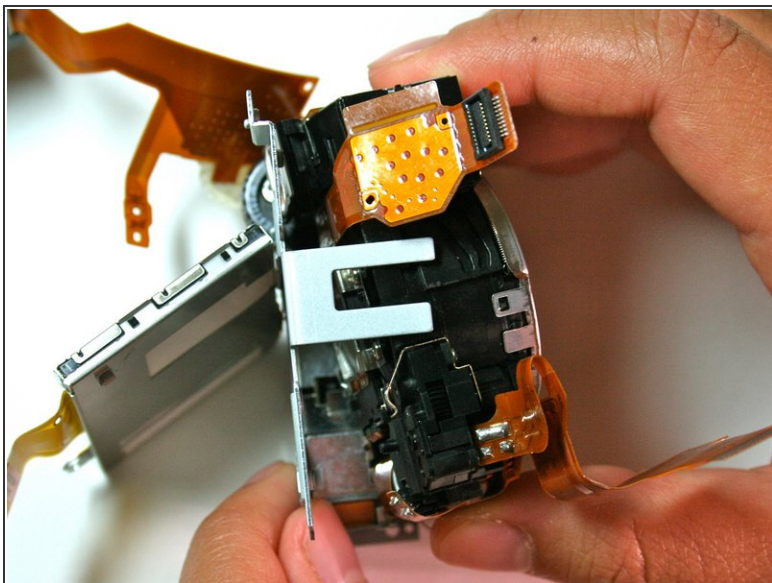
- Remove the 2 black screws that attach the battery box to the housing plate.
- ⓘ The second picture shows the battery box detached from the housing plate.

## Step 26



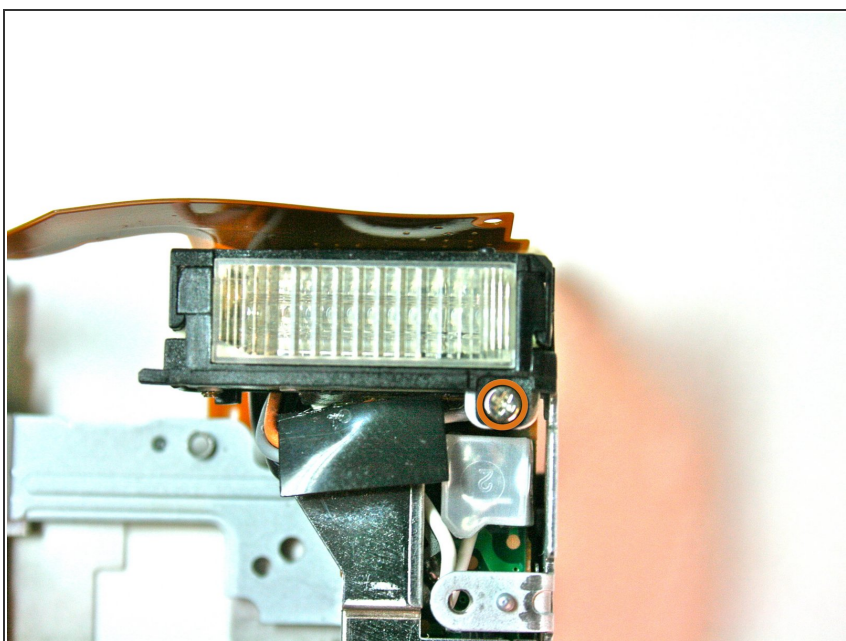
- Remove the three (3.1mm) black screws that were behind the screen and battery box.

## Step 27



- Carefully remove the lens.
- ⓘ Remove the bottom side of the lens first before the viewfinder side.
- ⚠ Be careful of wires and delicate parts.

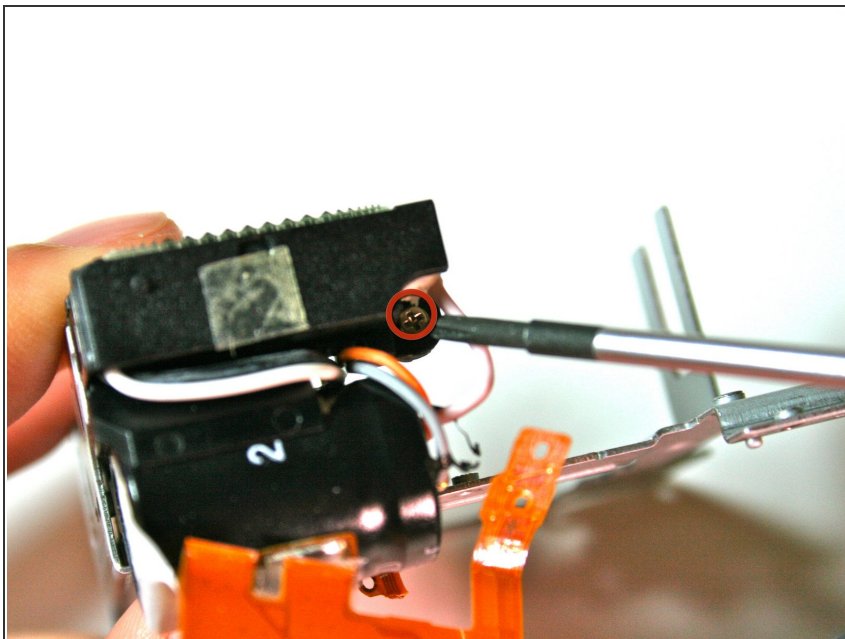
## Step 28 — Flash Unit



- Remove the 3.3 mm screw from underneath the clear plastic flash unit on the front side.

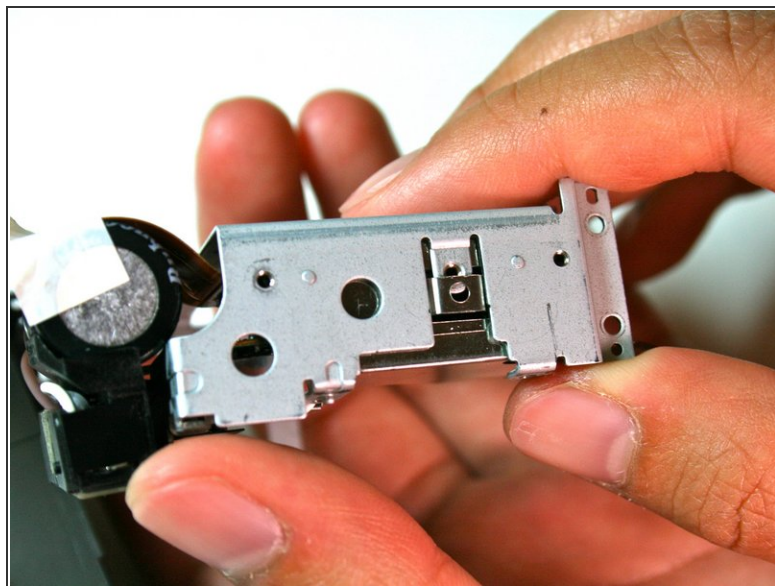
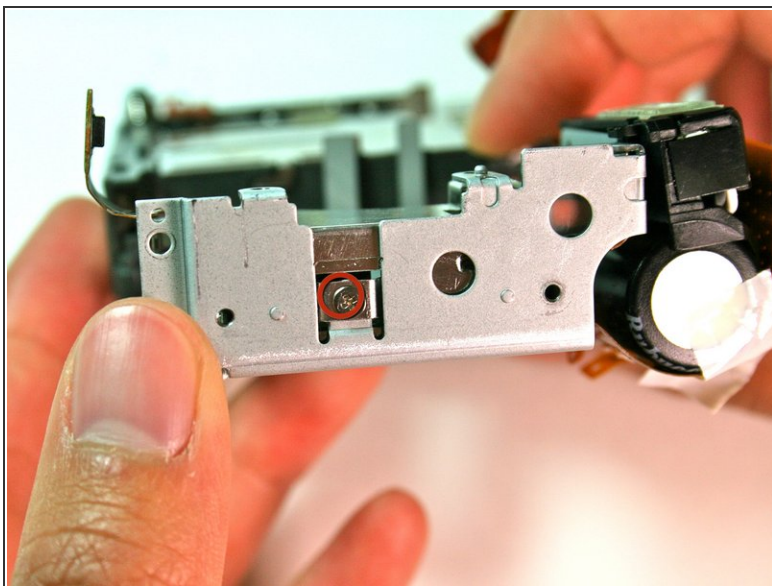


## Step 29



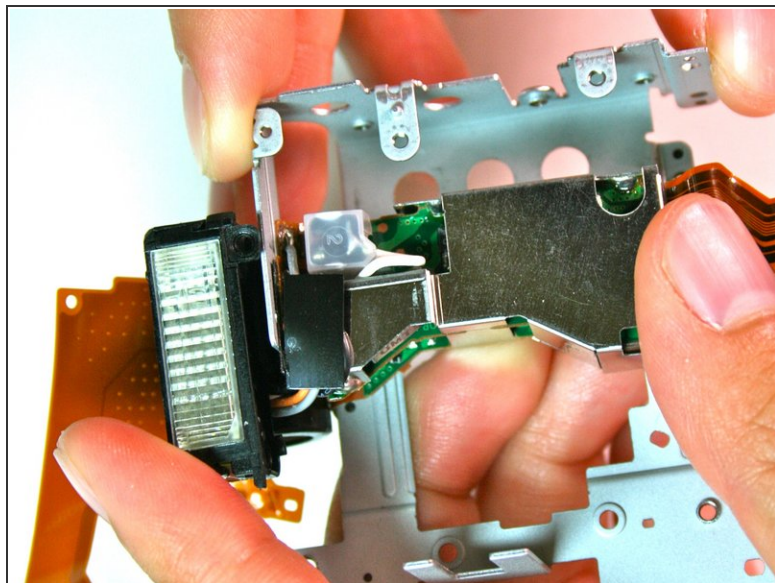
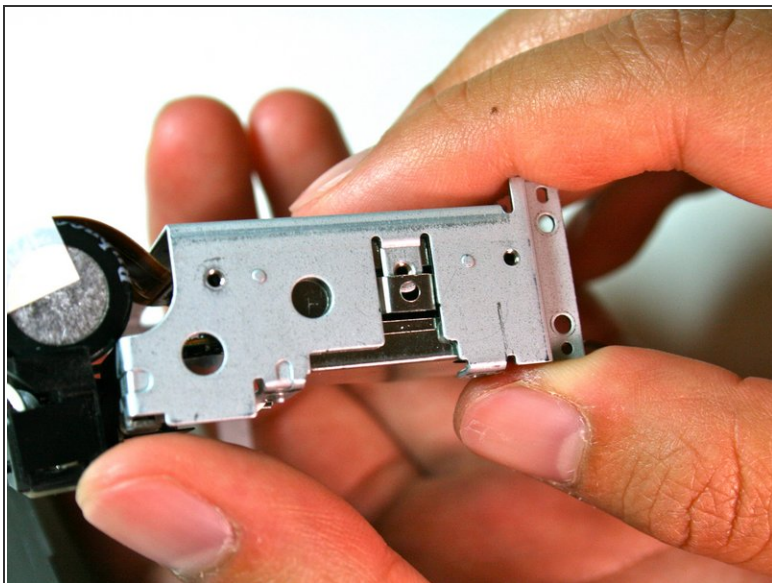
- Remove the 3.4mm screw from the top of the flash unit and housing plate.

## Step 30



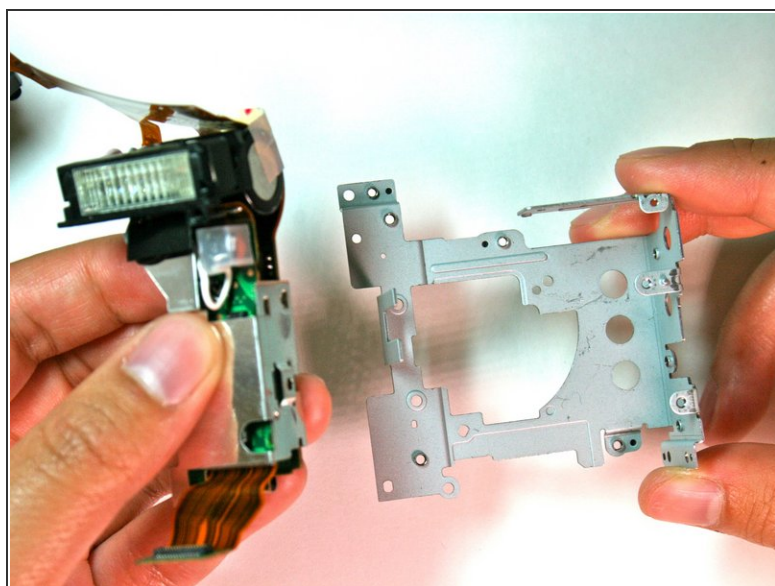
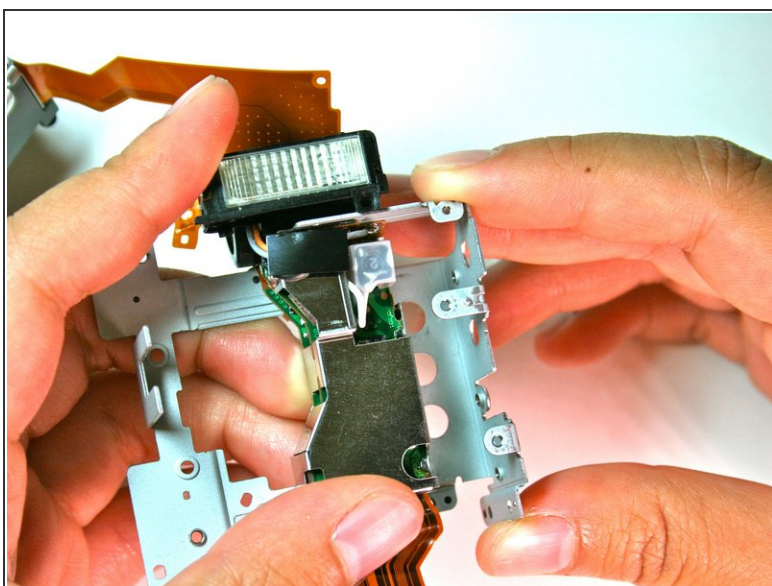
- Remove the 2.1mm screw from the interlocking clip on the right.

## Step 31



- Pull the flash unit away from the interlocking clip on the housing plate.
- ⓘ This will require some maneuvering to free the interlocking clip from the housing plate.

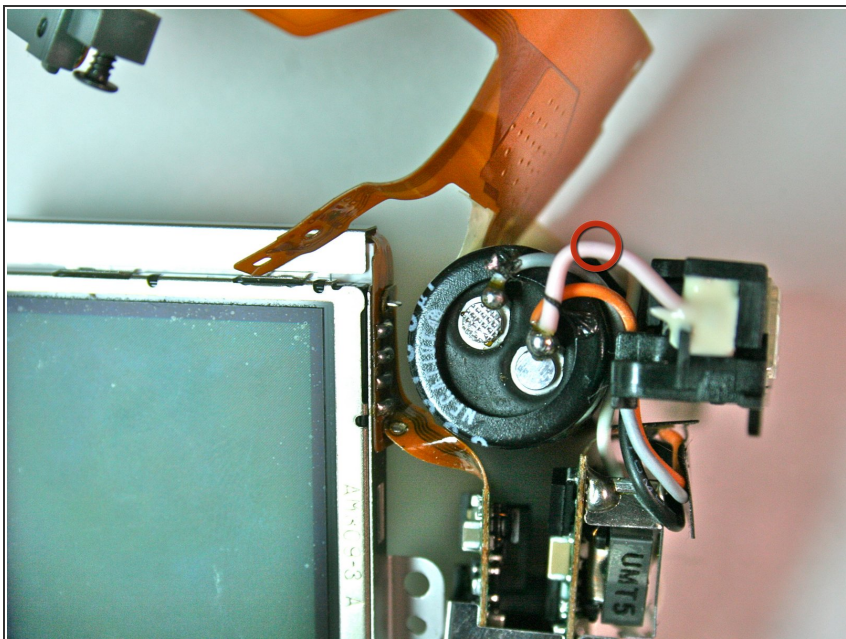
## Step 32



- Slide the flash unit to the left and away from the housing plate.

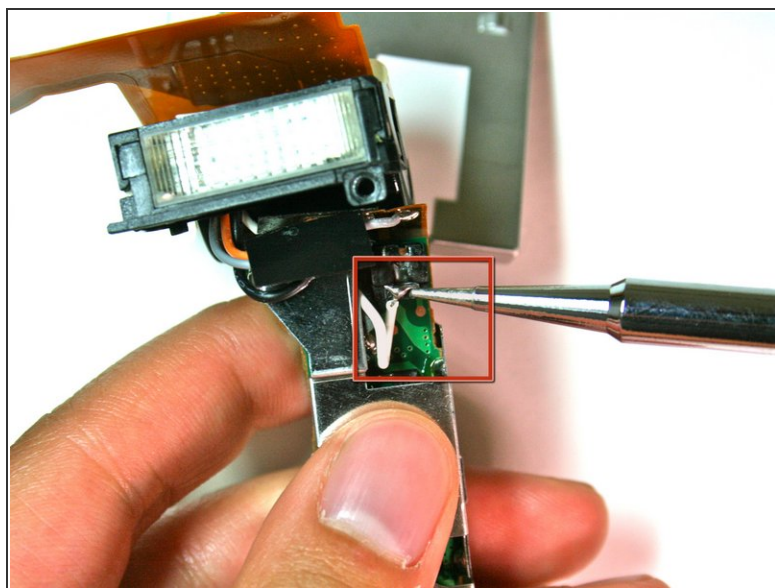
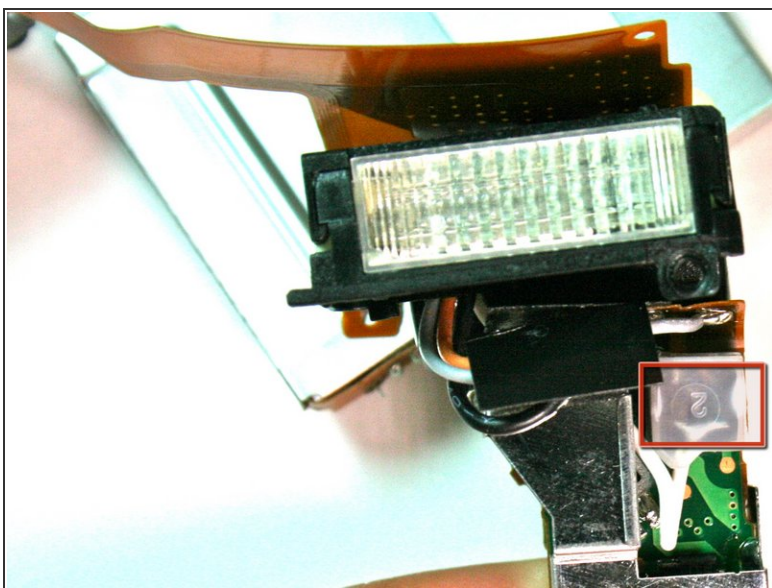


## Step 33



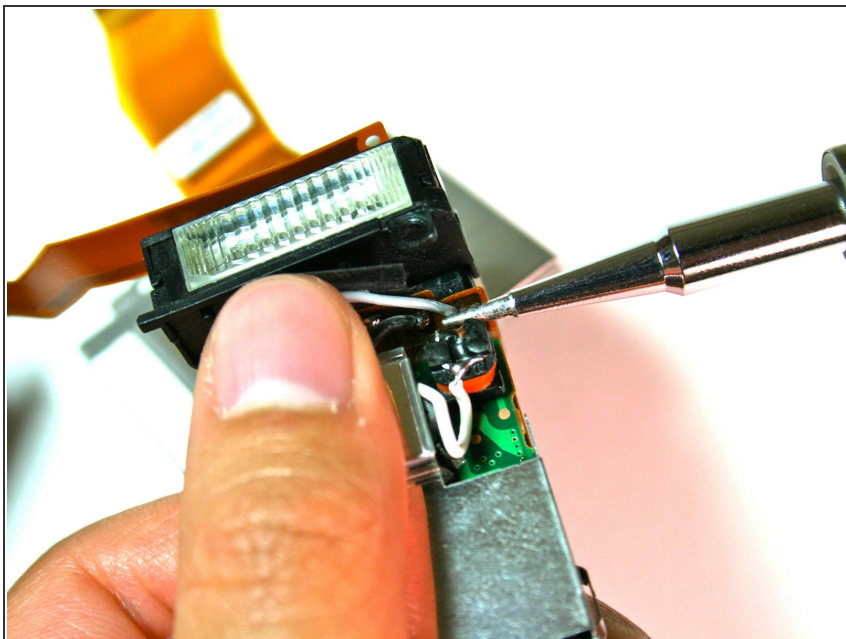
- Unsolder the pink wire from the condenser.

## Step 34



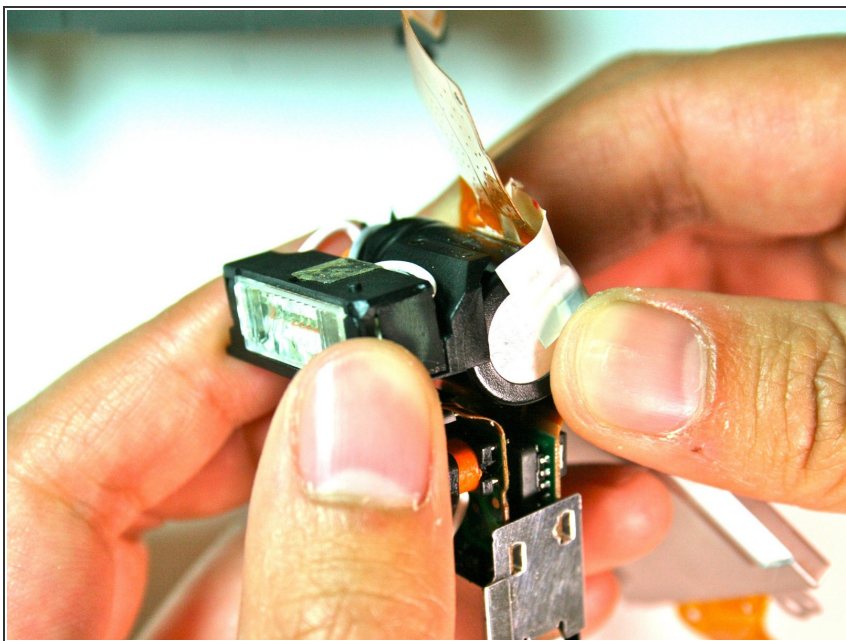
- Remove the clear plastic cover from the white wire by lifting off with finger.
- Desolder the white wire.

## Step 35



- Remove the gray wire by desoldering it from the underside of the flash unit.

## Step 36



- Carefully pull the flash unit off the condenser. There is tape underneath, so some force may be required.

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