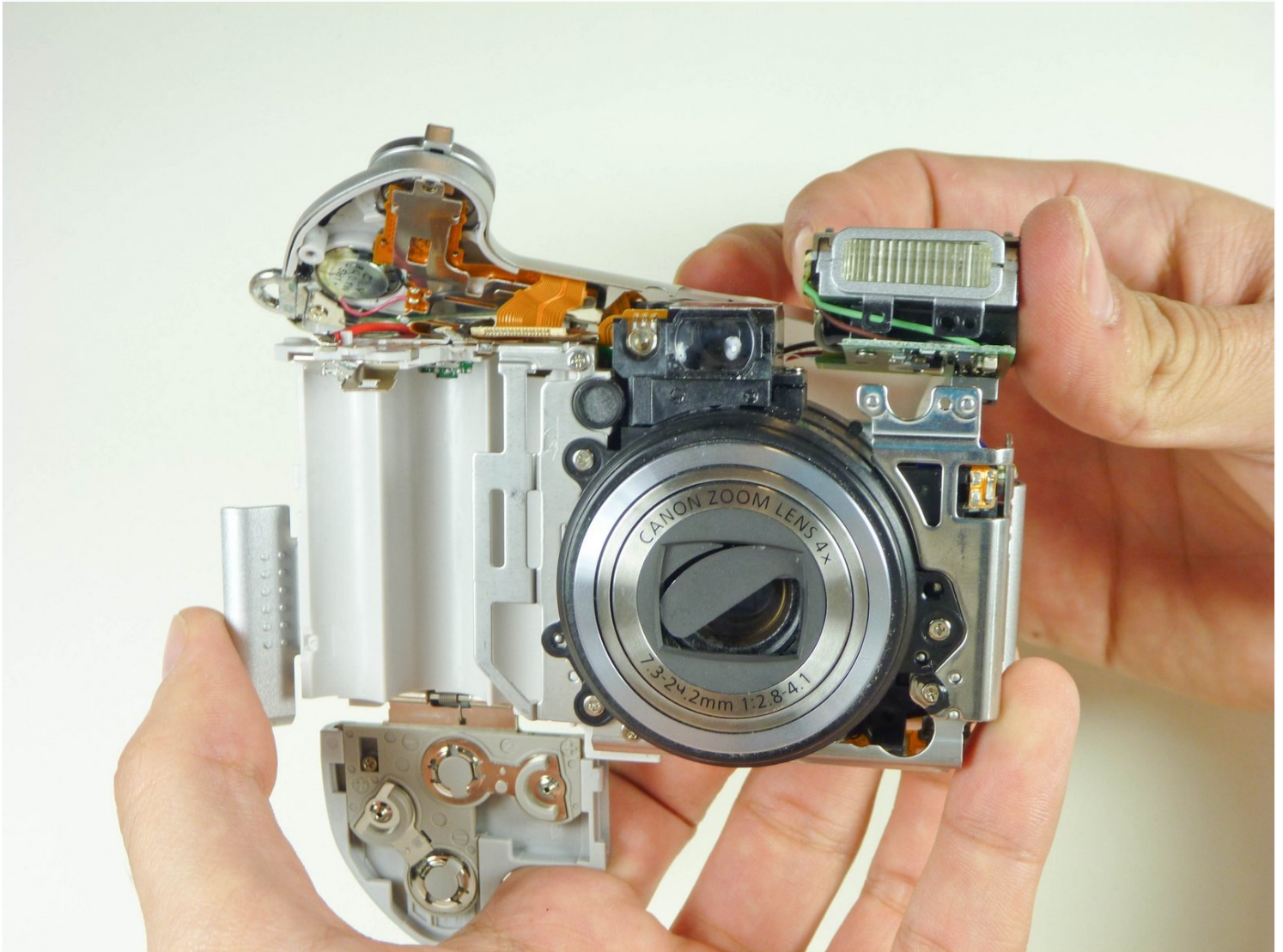




# Canon Powershot A610 Flash Unit Replacement

You will have to get into the inside of the...

Written By: Matthew Ramirez



# INTRODUCTION

You will have to get into the inside of the camera before removing the flash bulb is possible. Some soldering may be required to completely remove the flash unit from the camera.

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## TOOLS:

Phillips #00 Screwdriver (1)

Lead-Free Solder (1)

Soldering Iron (1)

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## Step 1 — Batteries



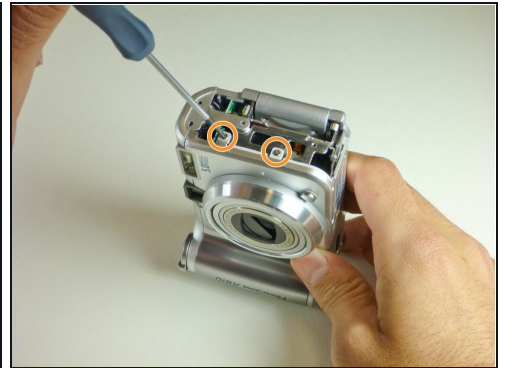
- Unlock the battery cover, while swinging the cover outward to open it.

## Step 2



- Turn the camera over and allow the batteries to fall out.
- Close the battery cover.

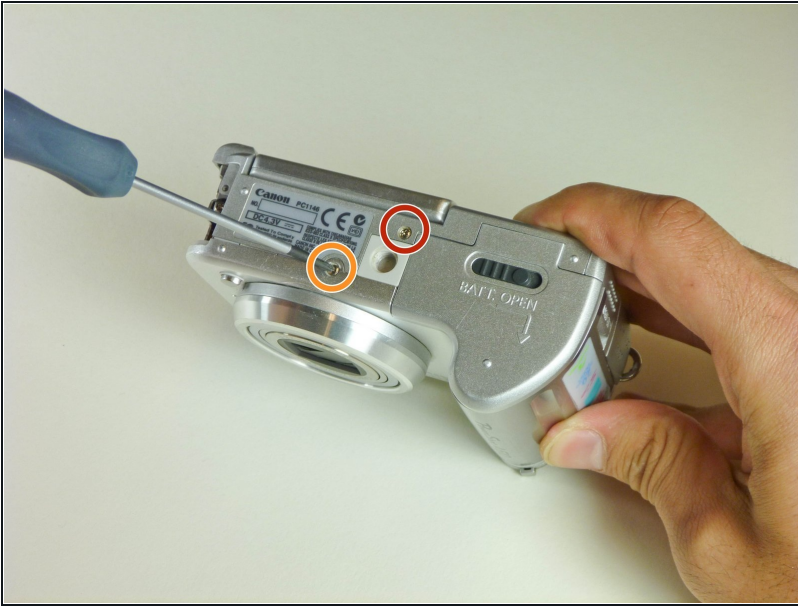
## Step 3 — Camera Housing



- Remove the three 3 mm screws that attach the side panel to the body of the camera.
- Using your fingernails, pull the side panel outward to remove it.
- Remove the two remaining 2 mm screws that attach to the frame of the camera.

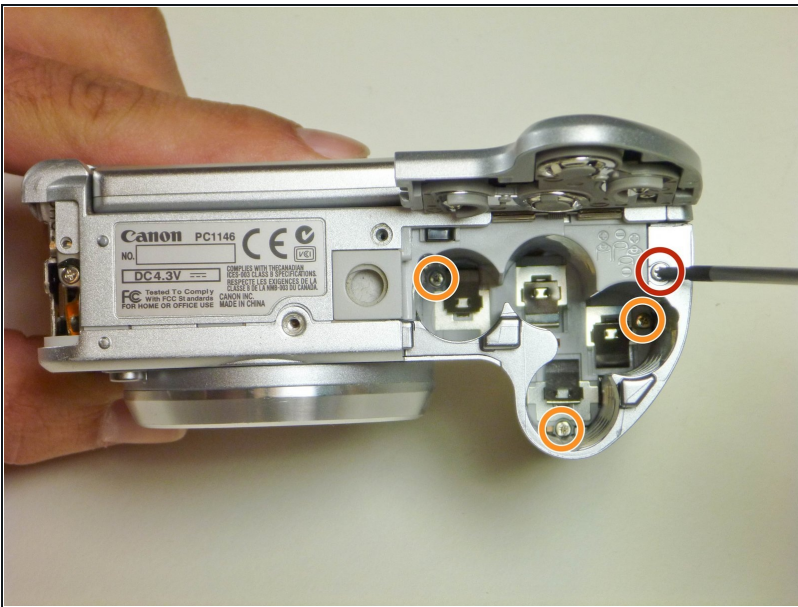


## Step 4



- Remove the 3 mm screw that sits at the bottom of the camera, near the front side.
- Remove the 4 mm screw that sits at the bottom of the camera, near the back side.

## Step 5



- Open the battery cover.
- Remove the 5 mm screw that sits on the top of the battery slot.
- Remove the three 6 mm screws that sit at the bottom of the battery slot.
- Close the battery cover.

## Step 6



- Open the digital A/V DC terminal cover.
  - Remove the three 4 mm screws.
  - Detach the digital A/V DC terminal.
- ☒ When you reassemble the camera, leave the topmost screw out until after you put the top casing back.

## Step 7

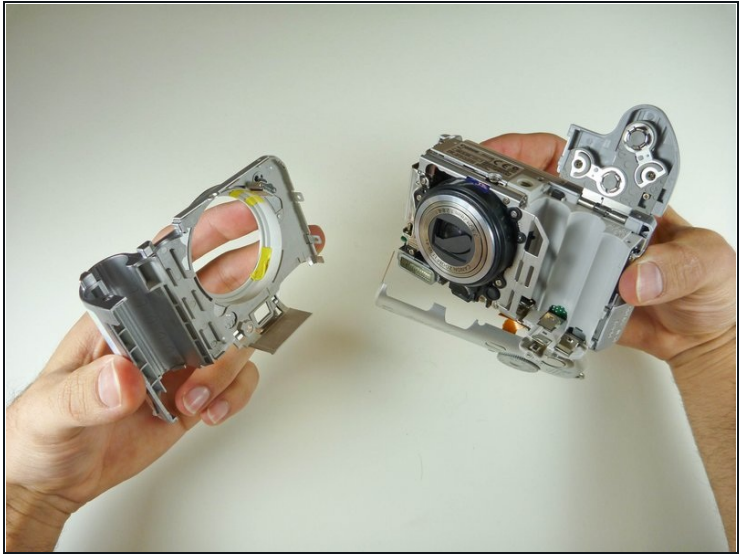
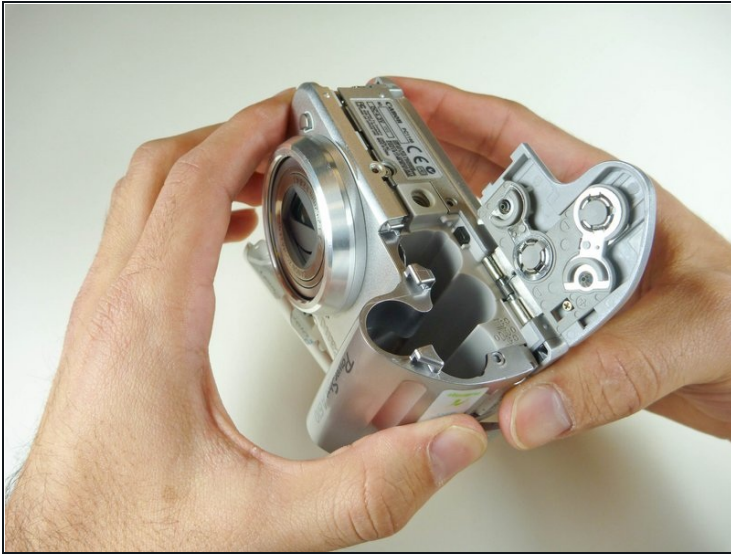


- Grip the sides of the top cover and gently lift it until it detaches from the camera.

**⚠ Do not completely remove the top cover; an orange ribbon cable still connects it to the camera.**



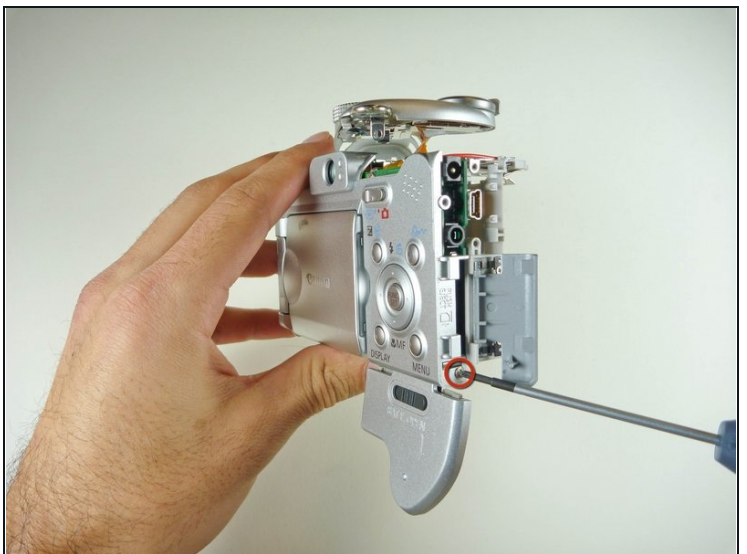
## Step 8



- Open the battery cover.
- With the camera upside down, pull the side of the front case that is closest to you, in an outward movement.

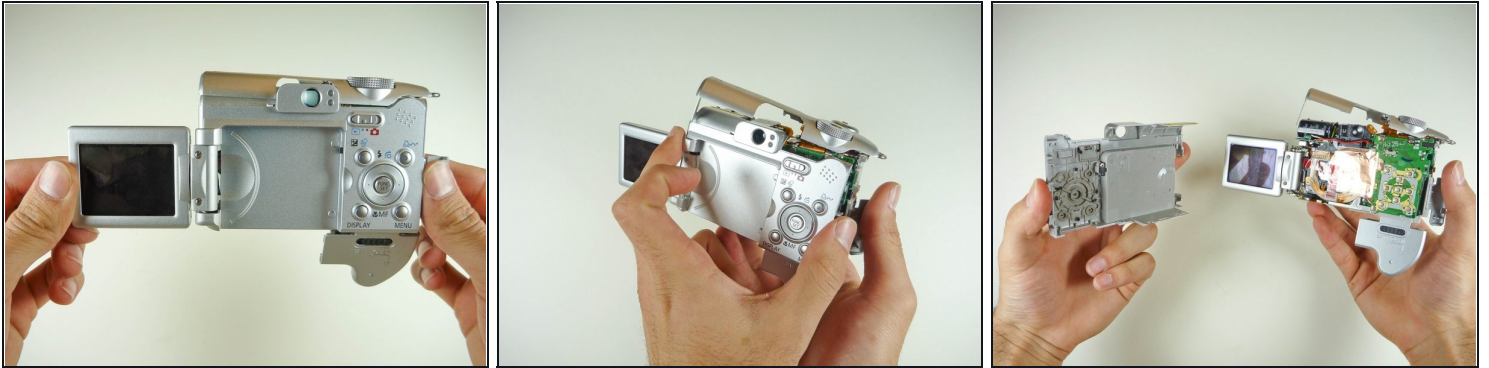
⚠ Apply some force, but pull the front case gently to prevent damage.

## Step 9



- Open the memory card slot cover.
- Remove the 3 mm screw that sits near the bottom of the case.

## Step 10



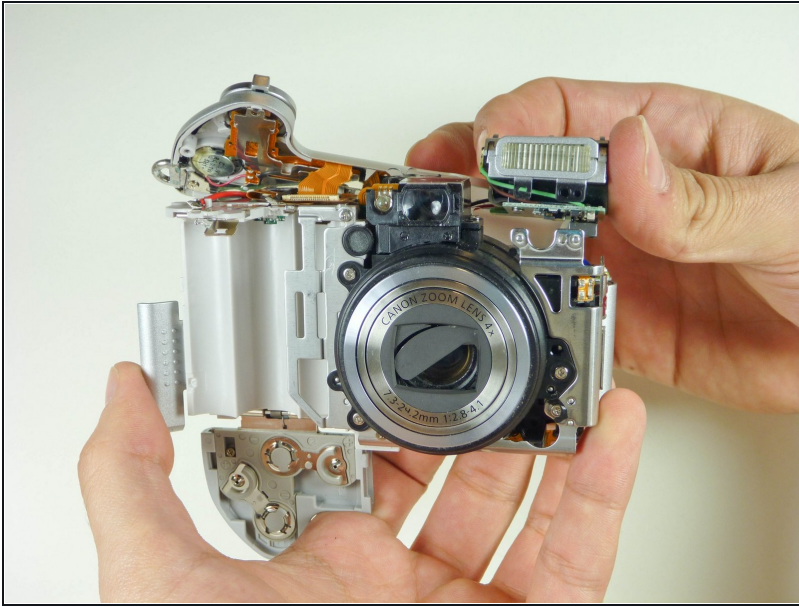
- Flip the LCD screen all the way open.
- Grip both sides of top of the back case and gently pull it, in an outward movement, until the case detaches.

## Step 11 — Flash Unit



- Remove the 3 mm screw that holds the flash unit to the camera.

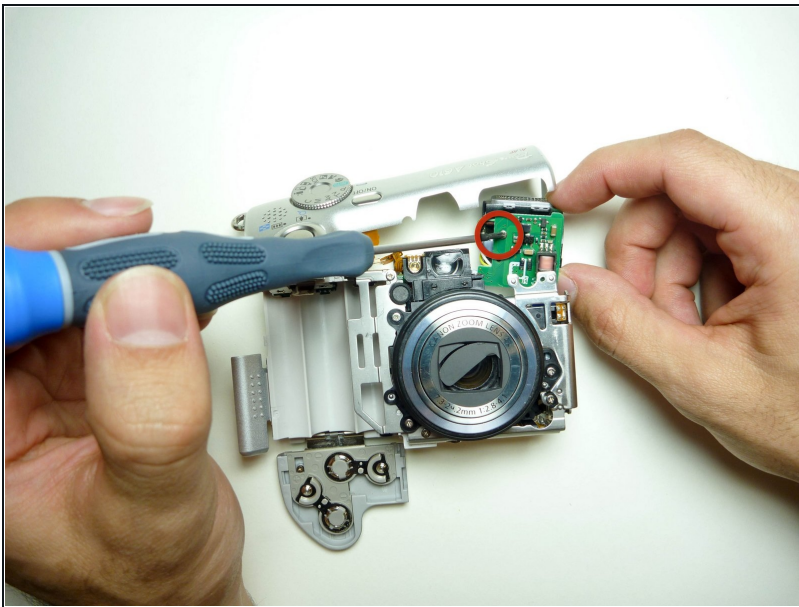
## Step 12



- Using your forefinger and thumb, pull the flash unit upward, and out of the camera.

⚠ The flash unit capacitor may cause electric shocks. Do not touch both metallic ends of the capacitor simultaneously.

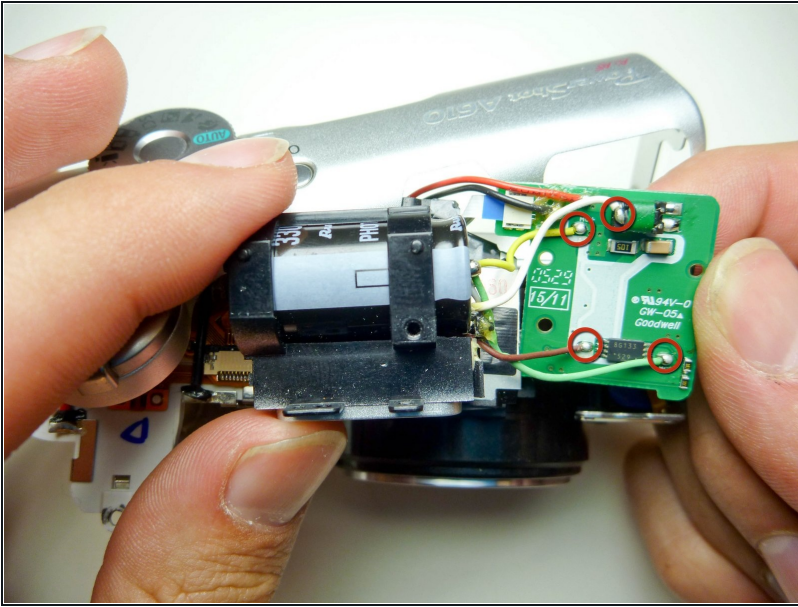
## Step 13



- Remove the 3 mm screw that sits on the back of the circuit board.



## Step 14



- Unsolder the white, yellow, brown, and green wires at their soldering points.
- Remove and replace the flash assembly.

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