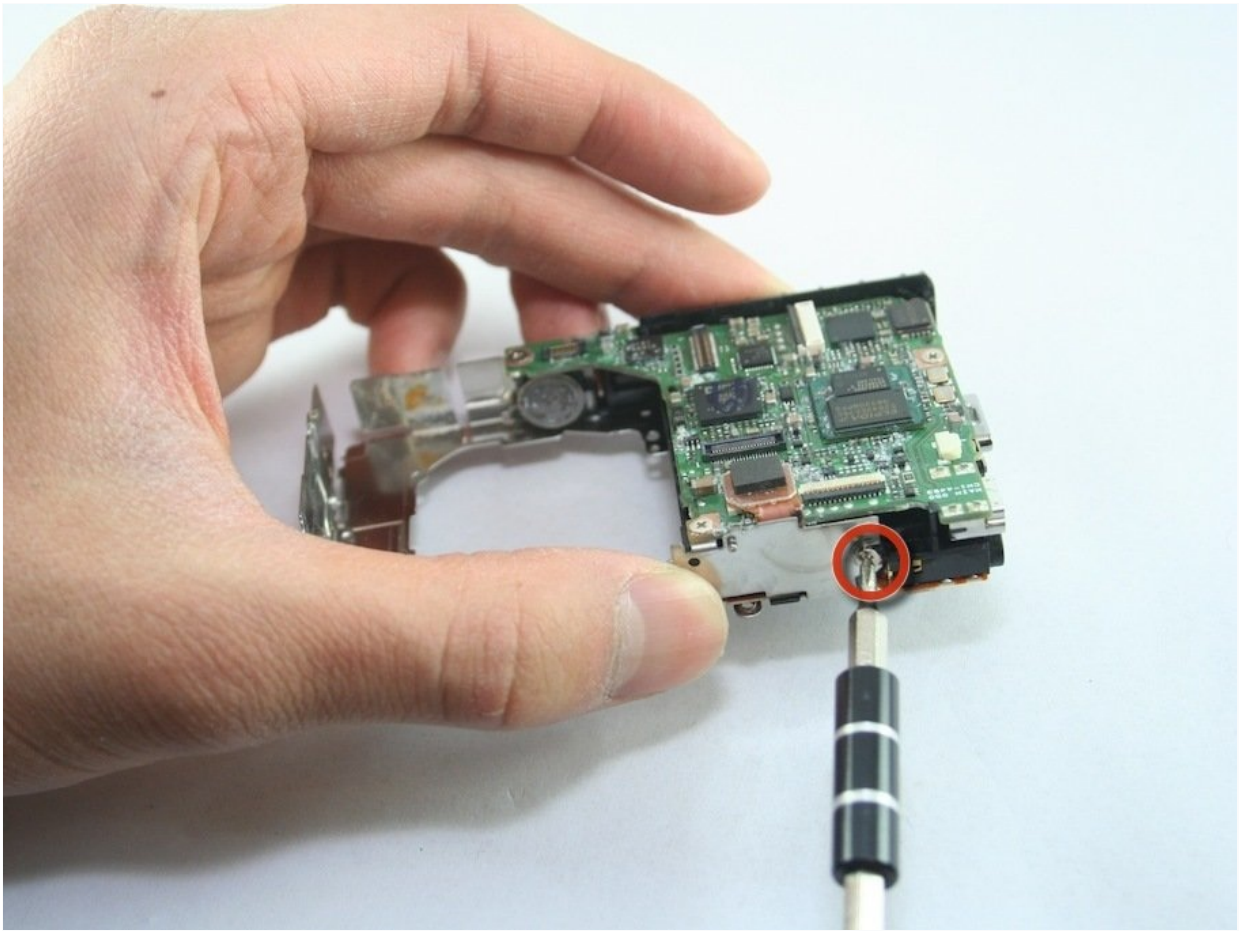
Disassembling Canon PowerShot SD1100 IS AV port and Logic board

Use this guide to remove the AV port and logic...

Written By: Tyler Grossheim



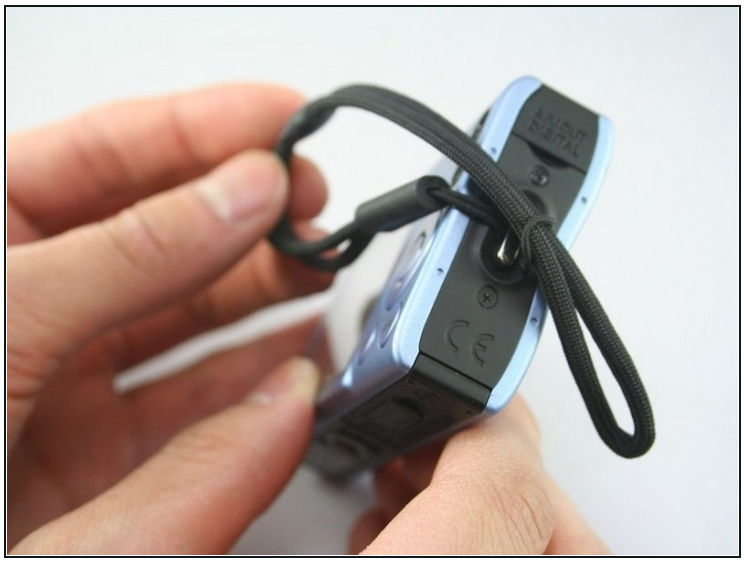
INTRODUCTION

Use this guide to remove the AV port and logic board.

TOOLS:

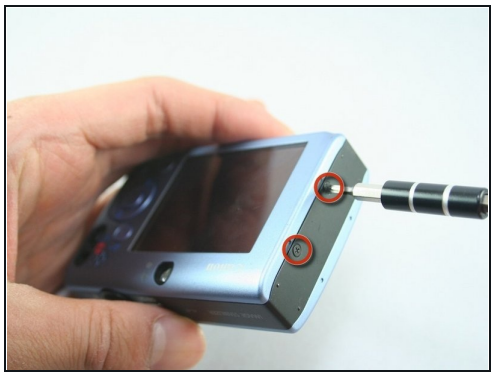
Phillips #00 Screwdriver (1)
Spudger (1)
Tweezers (1)

Step 1 — Front and Rear Cover



- Remove wrist strap and battery.

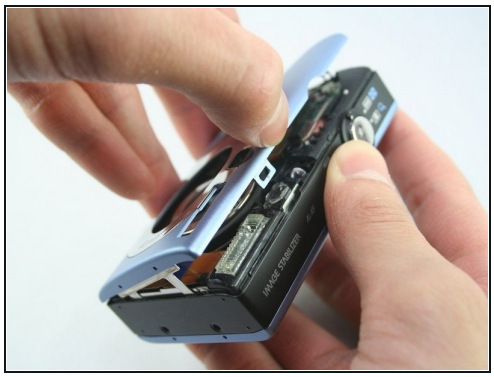
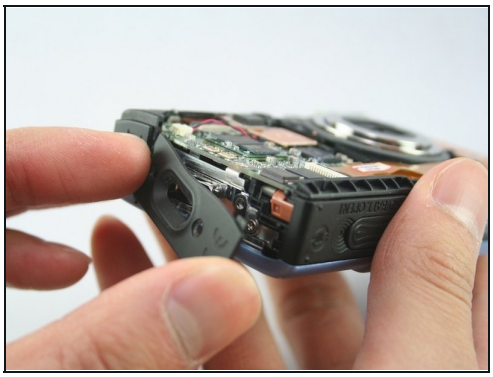
Step 2



- Remove 2 screws from each side of the camera (4 total, 0.102 in).
- Remove 2 screws from the bottom on the camera (0.138 in).

⚠ Do not mix the 4 side screws with the 2 bottoms ones; they are different sizes.

Step 3


- Gently pull off the front cover.

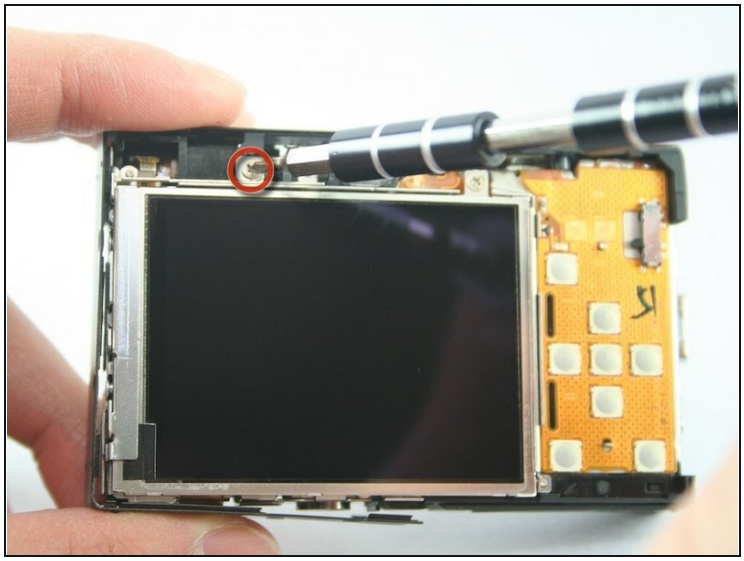
ⓘ The plate on the side should come off.

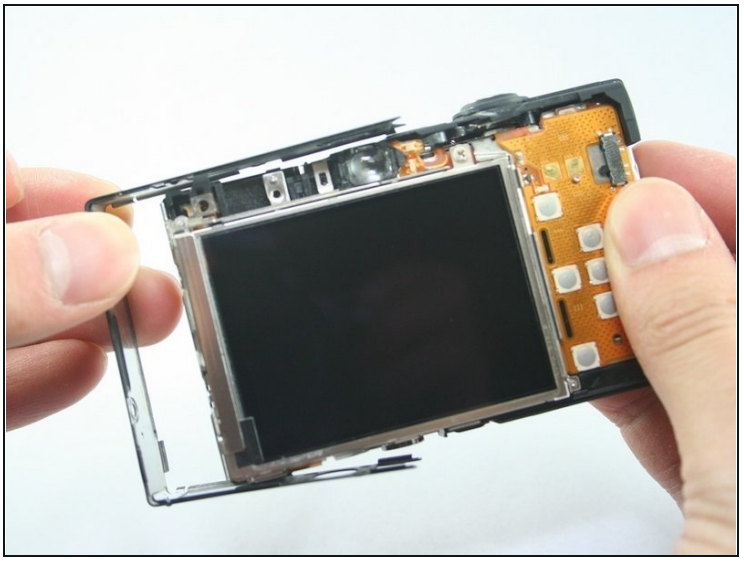
- Gently pull off the back cover.

Step 4

- The cases should now be removed.

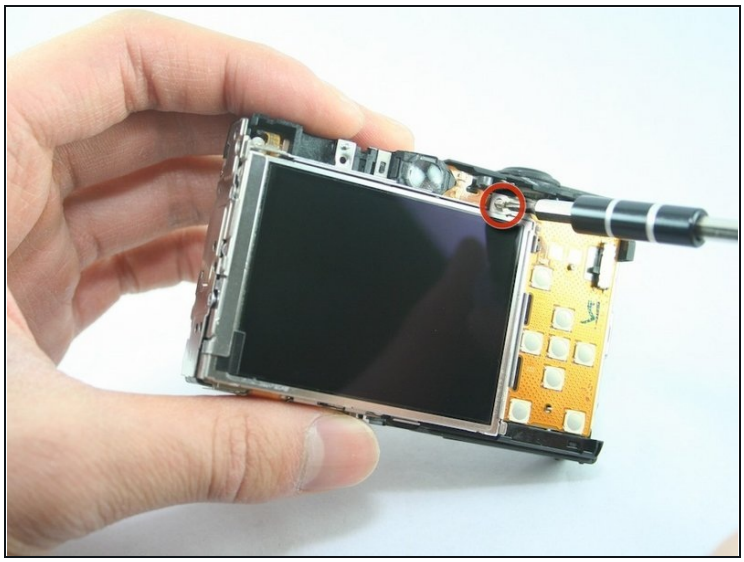
Step 5 — LCD screen

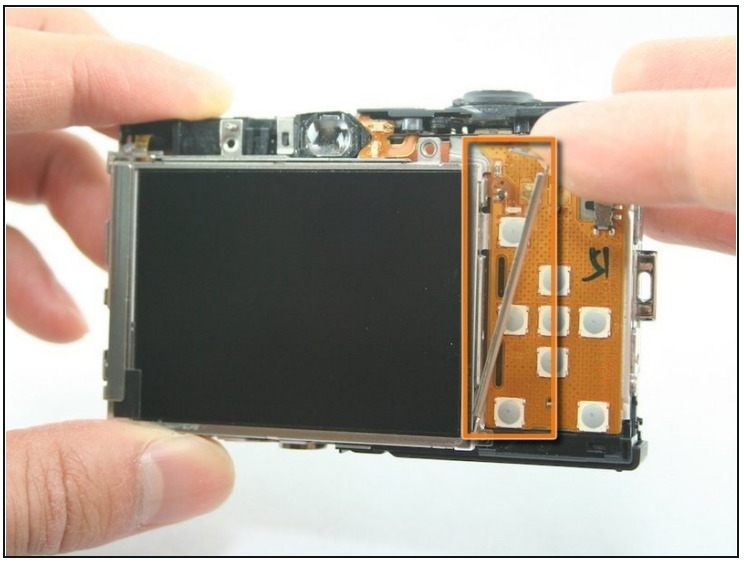




- Remove the top-left screw above the LCD screen (0.100 in).
- Remove the C-shaped plate from the side of the LCD screen.

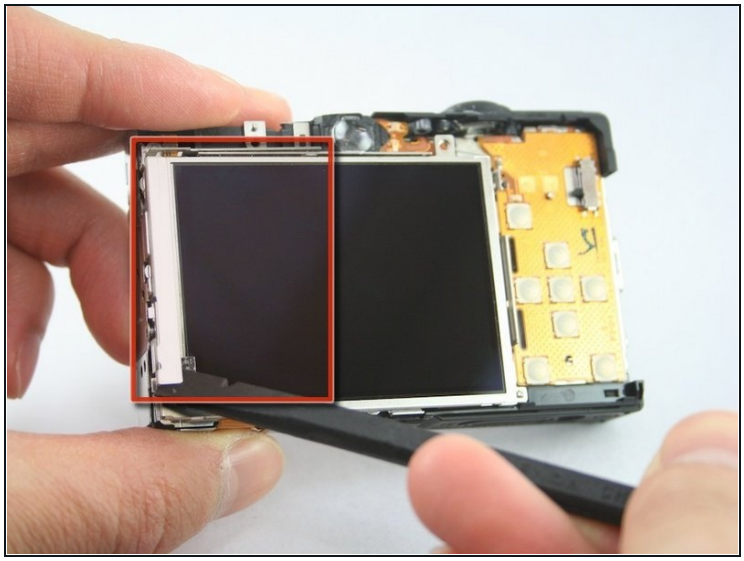
Step 6

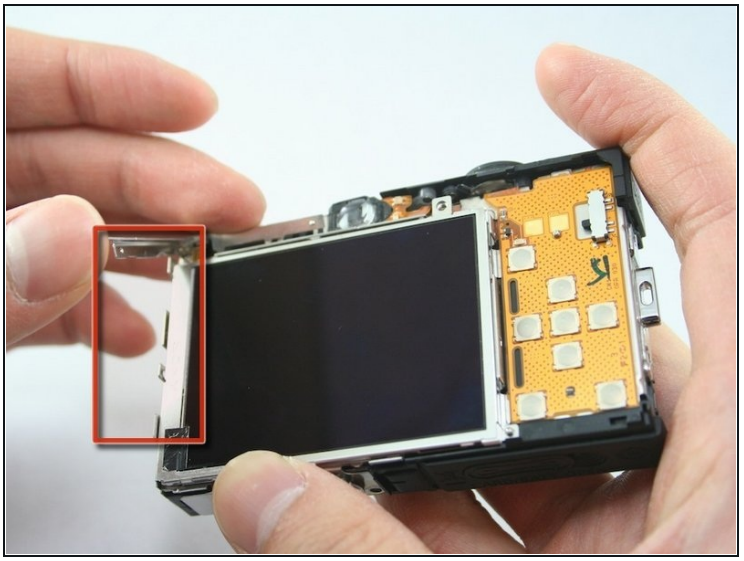




- Remove the screw from the top-right of the LCD screen (0.098 in).
- Remove the L-shaped bar from the right of the LCD screen.

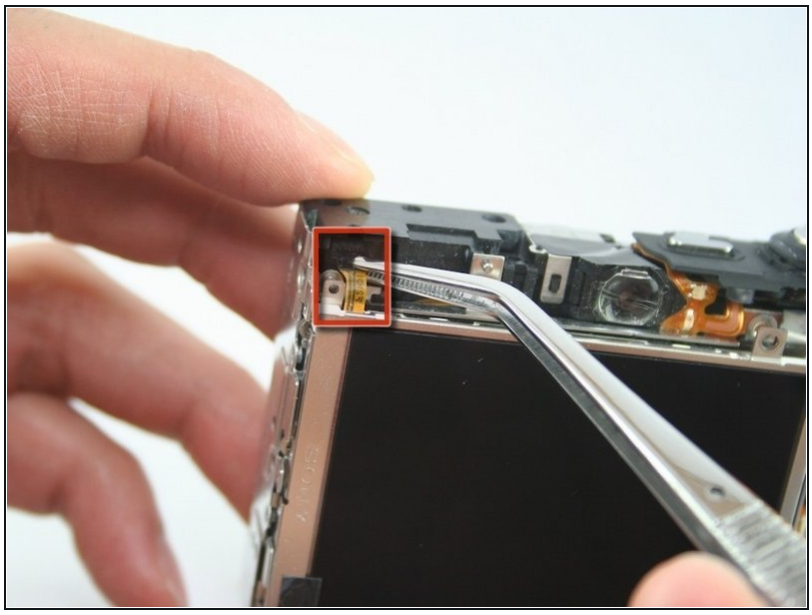
Step 7





- Use the spudger to remove the L-shaped bar from the left-side of the LCD screen.

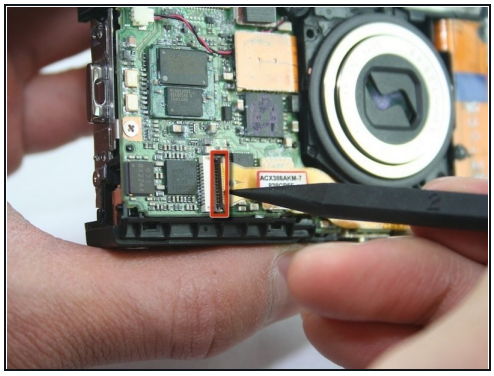
Step 8

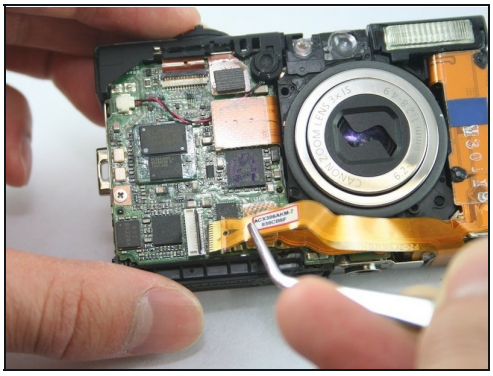


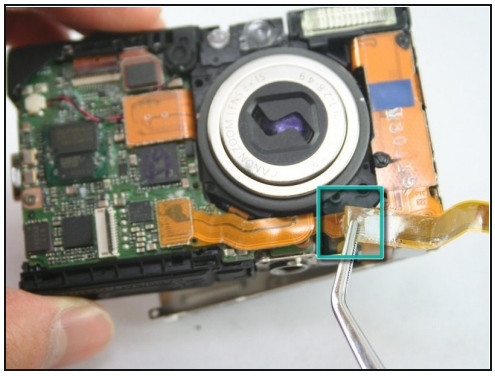
- Use tweezers to remove the connector ribbon from the top-left corner above the LCD screen.

⚠ Be gentle. This ribbon should stay attached to the screen.

Step 9

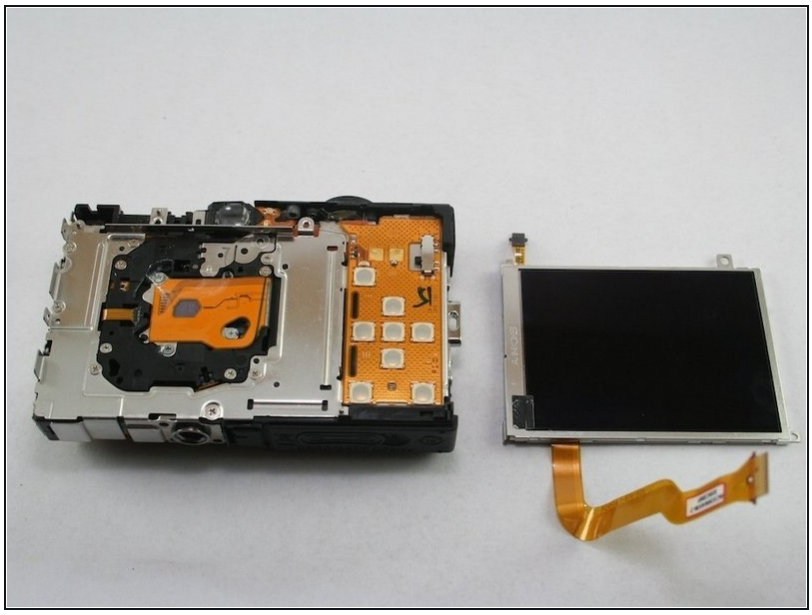






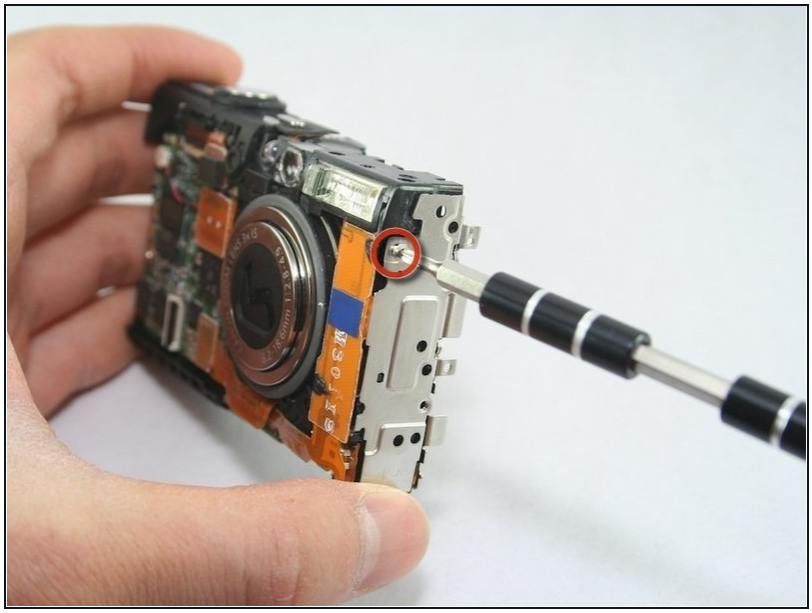
- Use a spudger to lift the connector lock (black flap) at the end of the larger LCD connector ribbon on the front side of the camera.
- Use the tweezers to lift this ribbon.
- Use the tweezers to gently peel this ribbon from the one underneath it.

Step 10



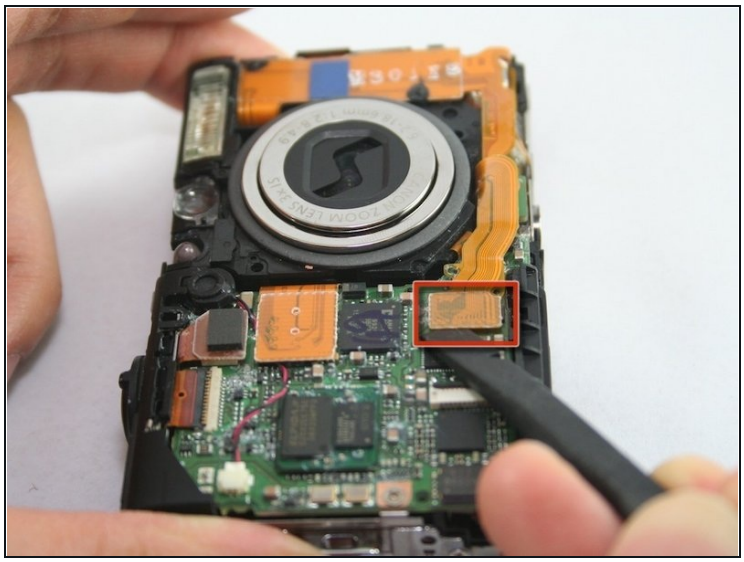
- The LCD screen should now be removed.

Step 11 — Flash Assembly



- Remove the screw located on the side of the camera (0.072 in).

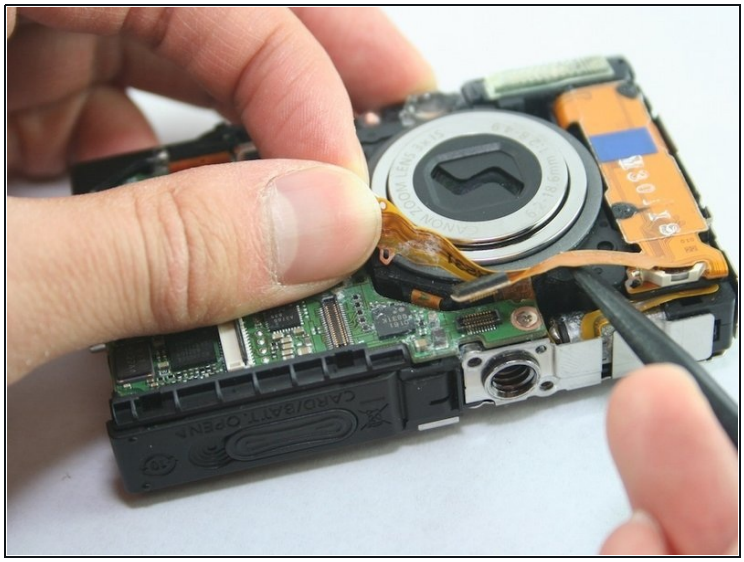
Step 12

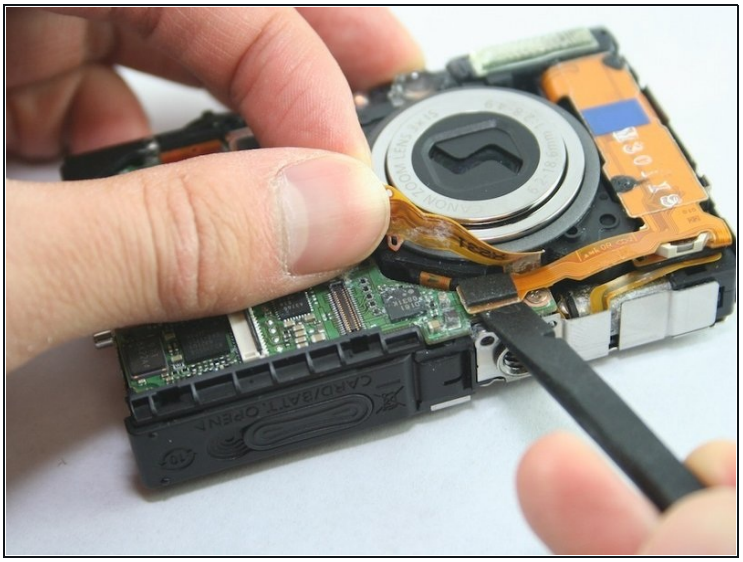


- Use the spudger to remove the lens ribbon from the circuit board.
- Use the spudger to lift the ribbon.

ⓘ This ribbon is connected to the lens, but the flash assembly ribbon is underneath it.

Step 13

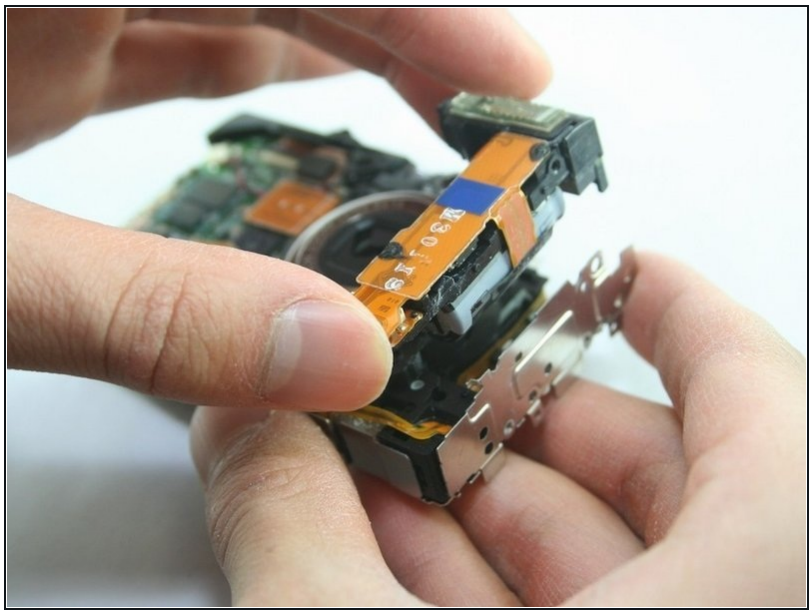




- Disconnect the flash assembly ribbon.

ⓘ The flash assembly ribbon is located underneath the lens assembly ribbon.

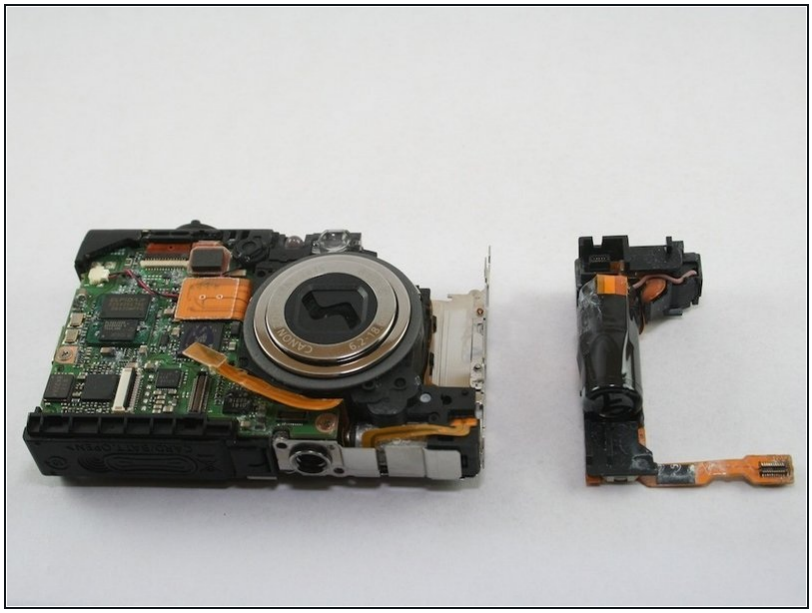
Step 14



- Remove the flash assembly, which includes the capacitor. If it resists, note the small hook on the right side near the bottom.

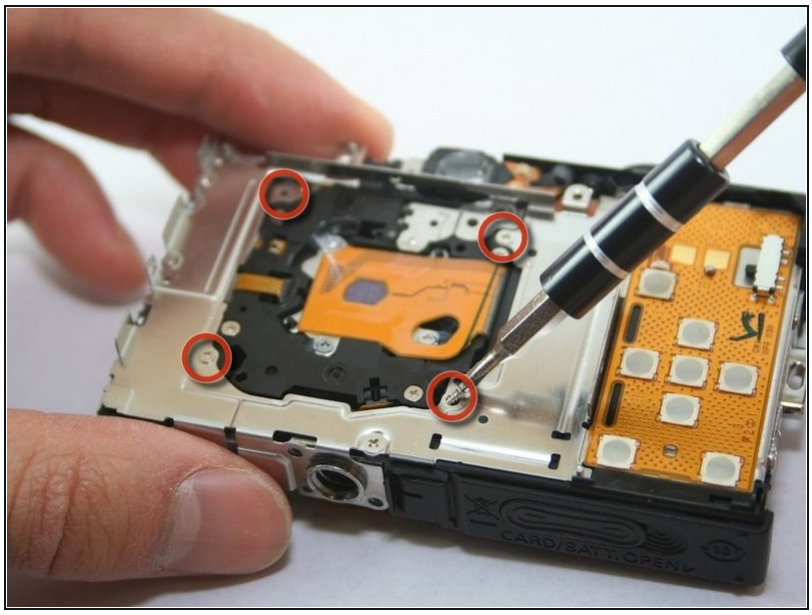
⚠ Be careful when taking out the capacitor. It could shock you.

Step 15



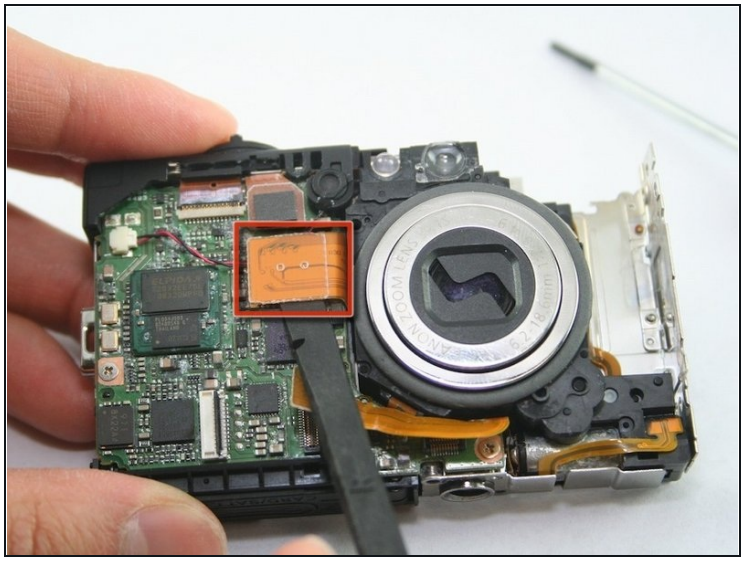
- The capacitor should now be removed.

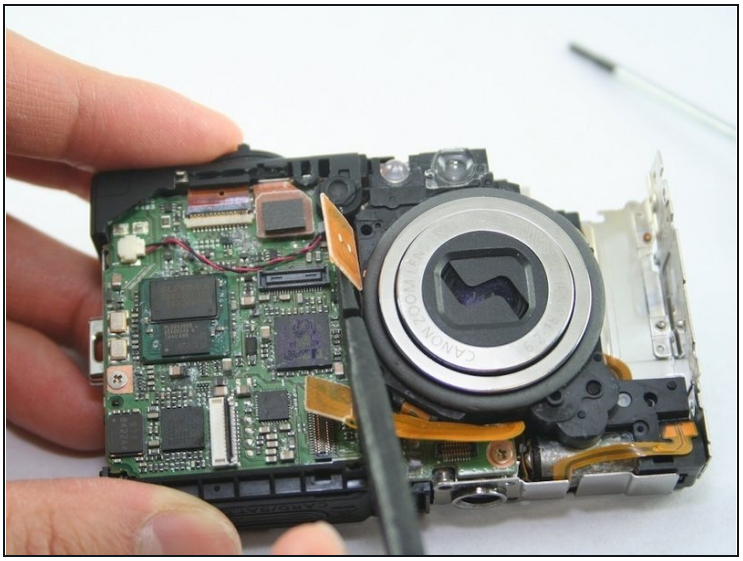
Step 16 — Camera Lens



- Remove 4 screws from silver plate (0.106 in).

Step 17





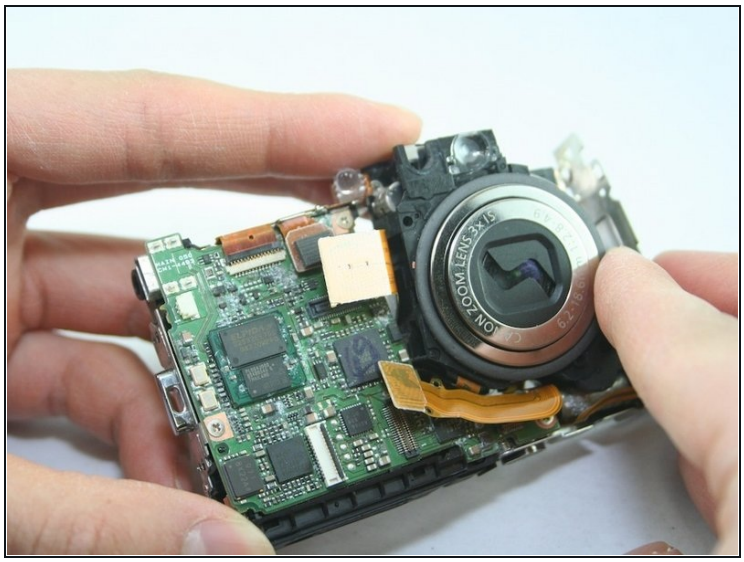
- Use spudger to lift the second lens ribbon.

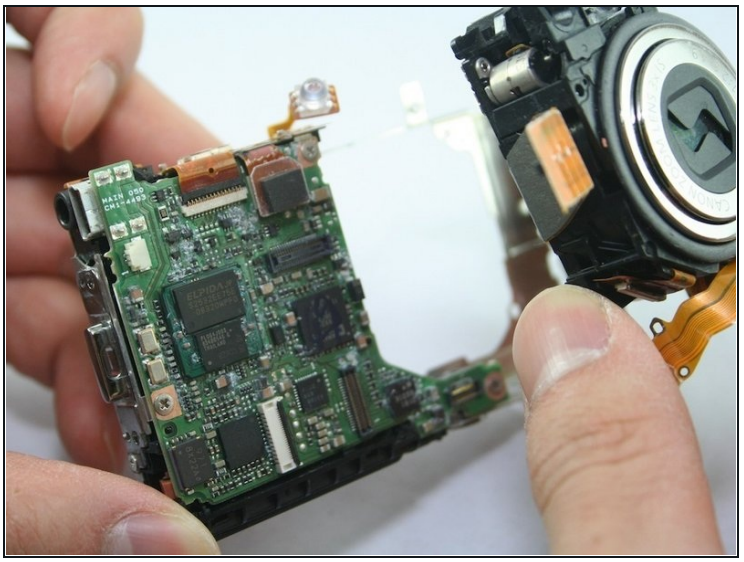
ⓘ Remember the first ribbon was removed while taking out the flash assembly.

Step 18

- Use spudger to carefully lift the LED light off the upper-left corner of the lens.

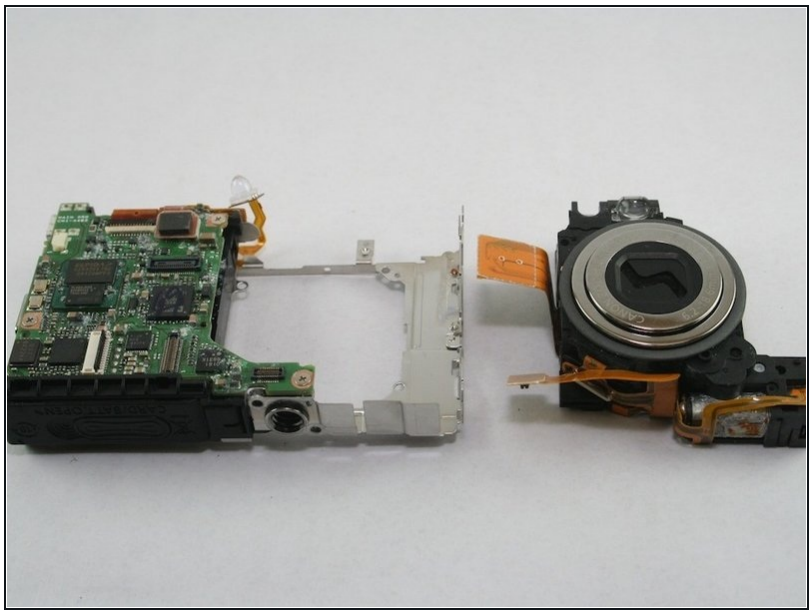
Step 19





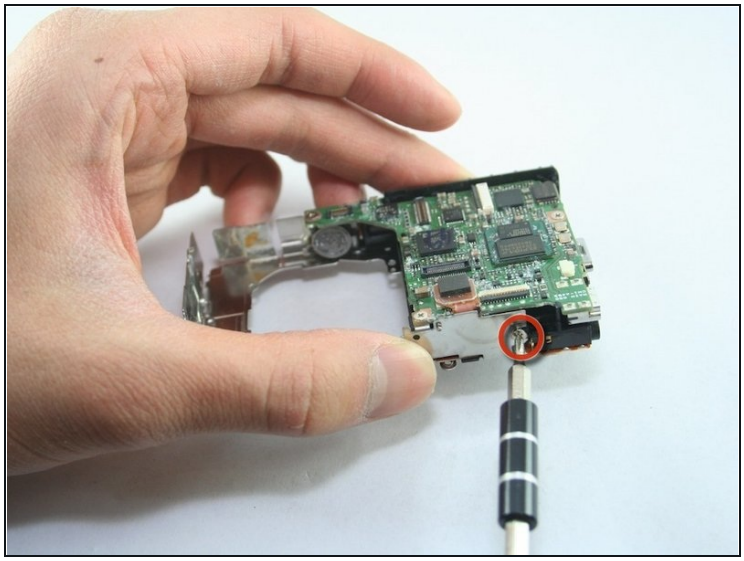
- Remove the lens.

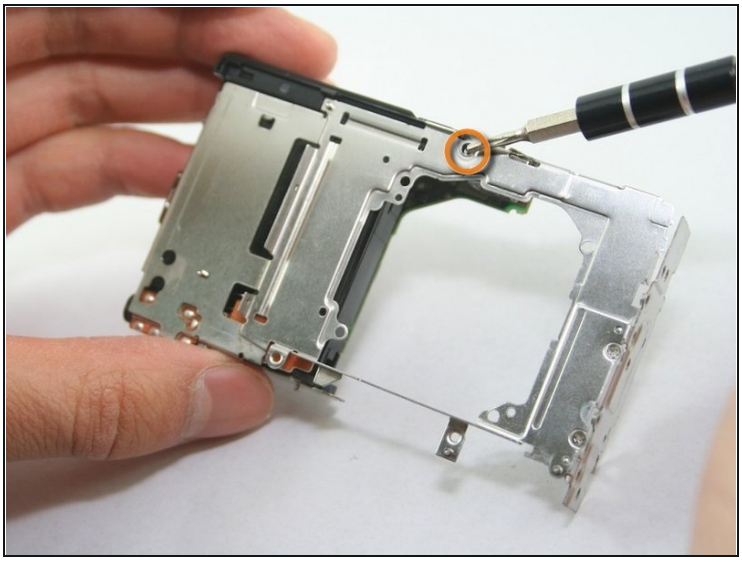
Step 20



- The camera lens should now be removed.

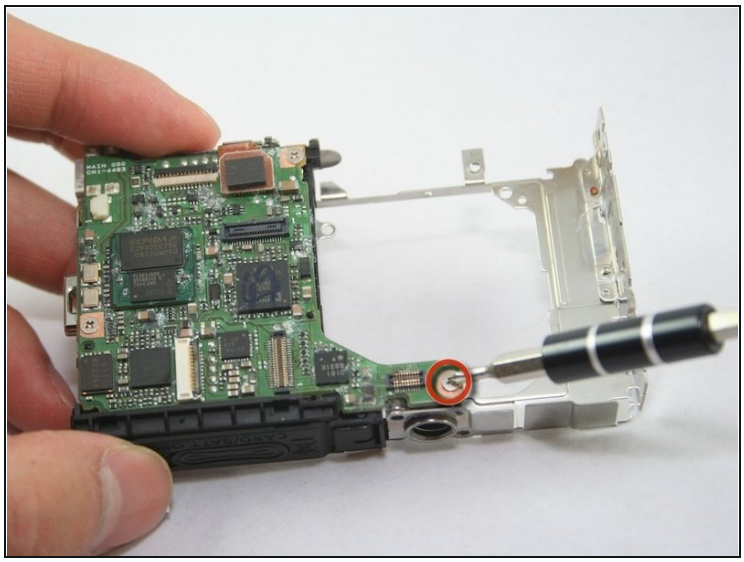
Step 21 — AV port and Logic board

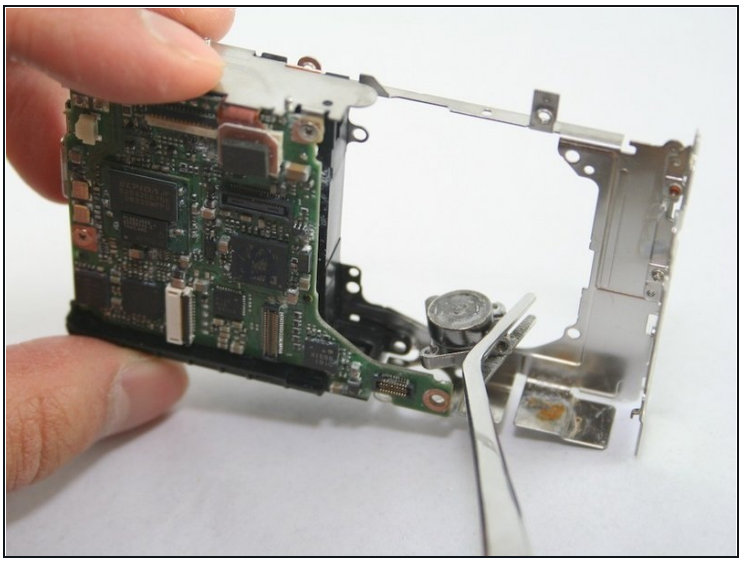




- Remove screw from top-right of logic board (0.102 in).
- Remove screw on the silver plate (0.102 in).

Step 22

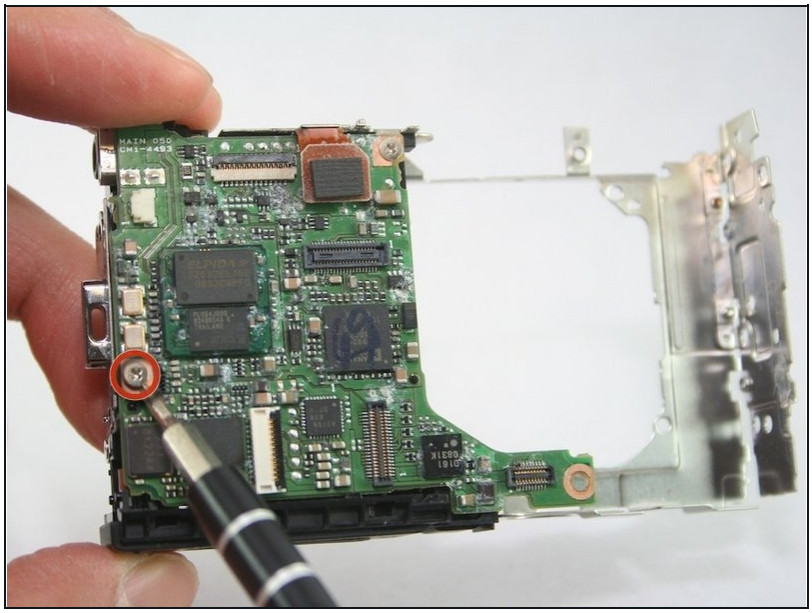




- Remove screw from bottom-right of logic board board (0.102 in).

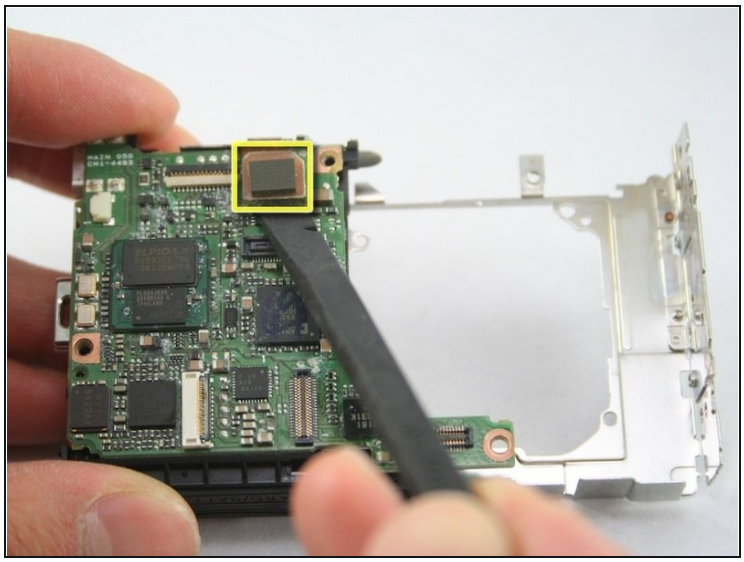
ⓘ The tripod connector can now be removed.

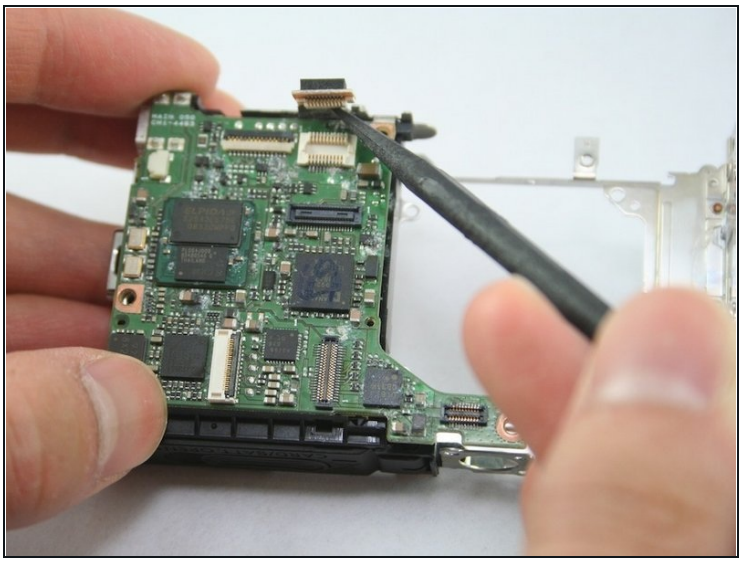
Step 23



- Remove screw (0.102 in) from the left side of the logic board.

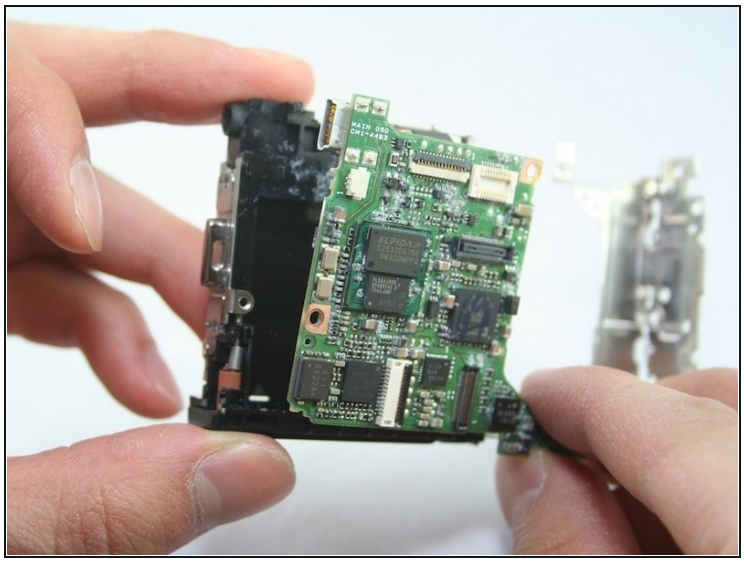
Step 24

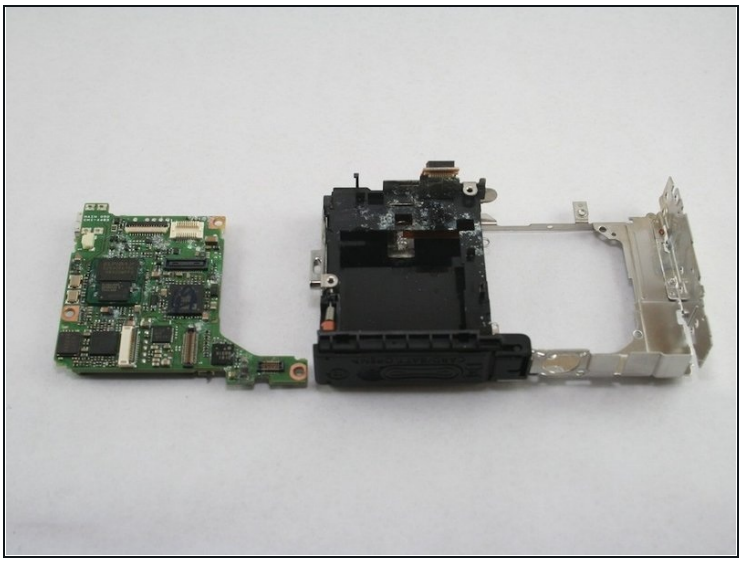




- Using the spudger, disconnect the ribbon cable located on the top of the logic board.

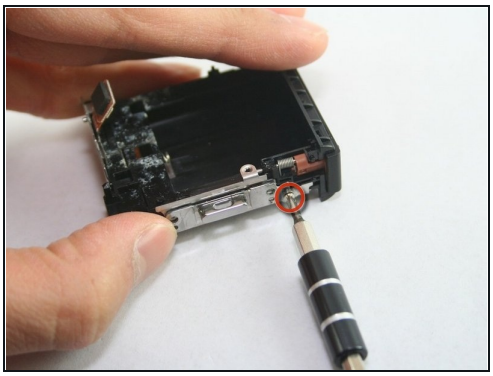
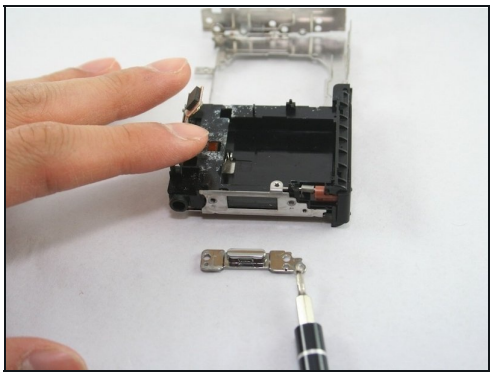
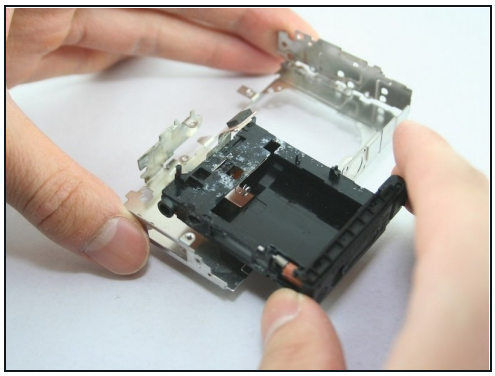
Step 25





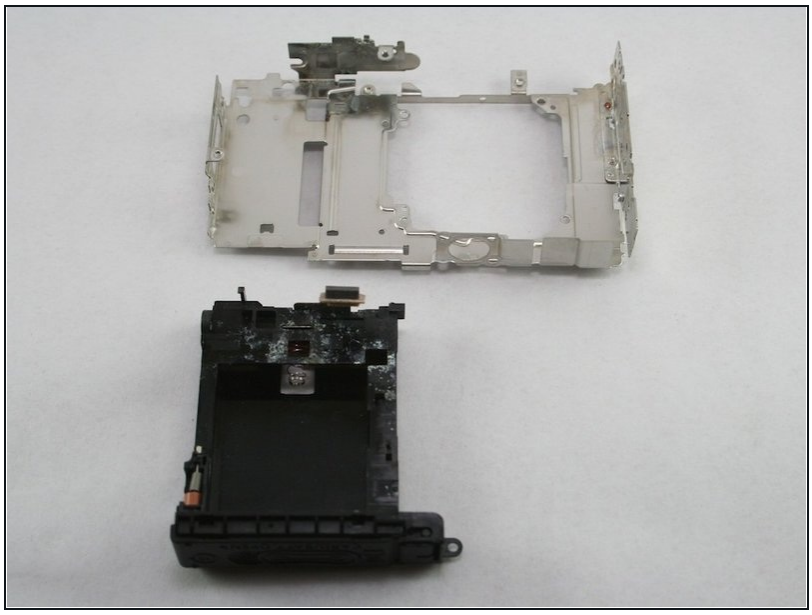
- The logic board may now be removed from the frame.

Step 26

- Remove the remaining screw (0.102 in) located on the camera strap piece.
- The camera strap piece and the av port/battery/memory card assembly can now be removed.

Step 27



- This is the final product.

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