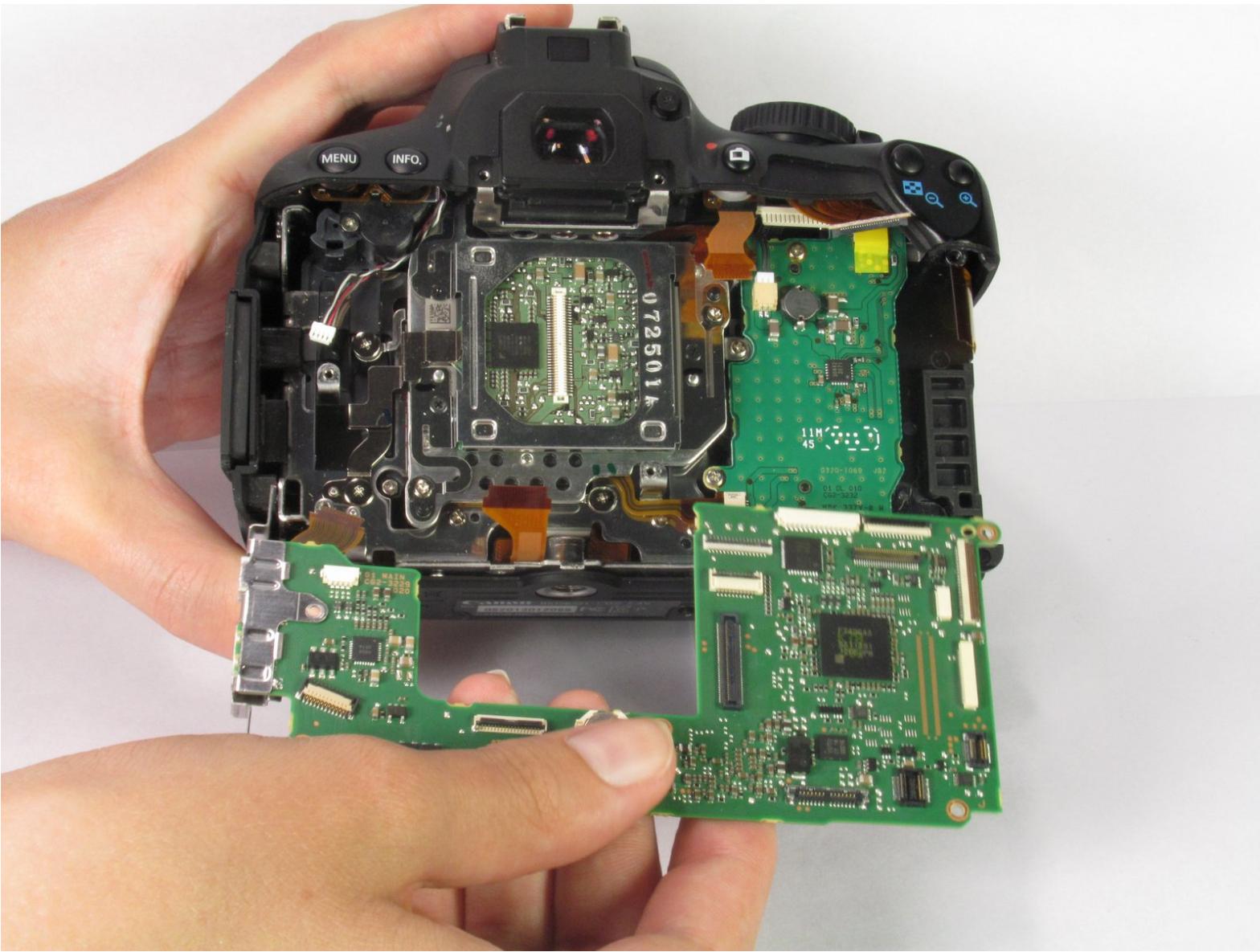




Canon EOS Rebel T4i Motherboard Replacement

This guide will show you how to replace the motherboard on your Canon Rebel T4i.

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INTRODUCTION

This guide will detail the process of replacing the motherboard. Replacing the motherboard is a more involved process and should not be done unless you are sure there is an issue with the motherboard.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [T6 Torx Screwdriver](#) (1)
- [Spudger](#) (1)
- [Phillips #000 Screwdriver](#) (1)

Step 1 — Battery



- Locate the battery cover at the bottom of the camera.
- Pull down on the black tab to open the cover.

Step 2



- Push the grey tab on the right side of the battery.
- Remove the battery from the slot.

Step 3 — Motherboard



- Use the spudger to pry off the rubber grip and reveal the screws.
- Unscrew the four 5.5mm Torx screws using the Torx T6 screwdriver.

Step 4



- Pull off the plastic cover from the viewfinder.
- Unscrew the two 3.4mm Phillips screws using the Phillips #00 screwdriver.

Step 5



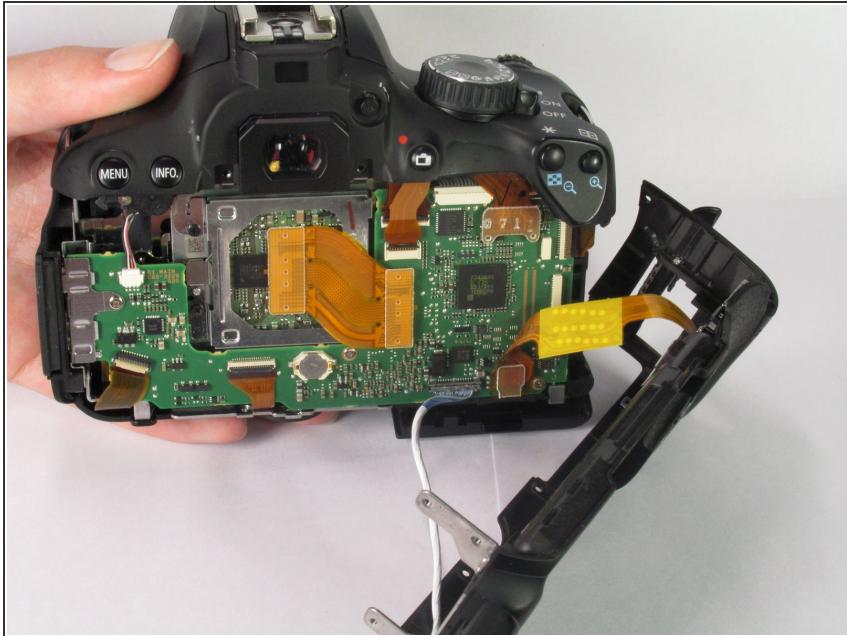
- Remove the following screws from the device using the Phillips #00 screwdriver:
 - Two 3.4mm Phillips head screws.
 - Two 5.9mm Phillips head screw.

Step 6



- Remove the following screws from the device using the Phillips #00 screwdriver:
 - One 3.4mm Phillips head screw.
 - One 5.9 mm Phillips head screw.

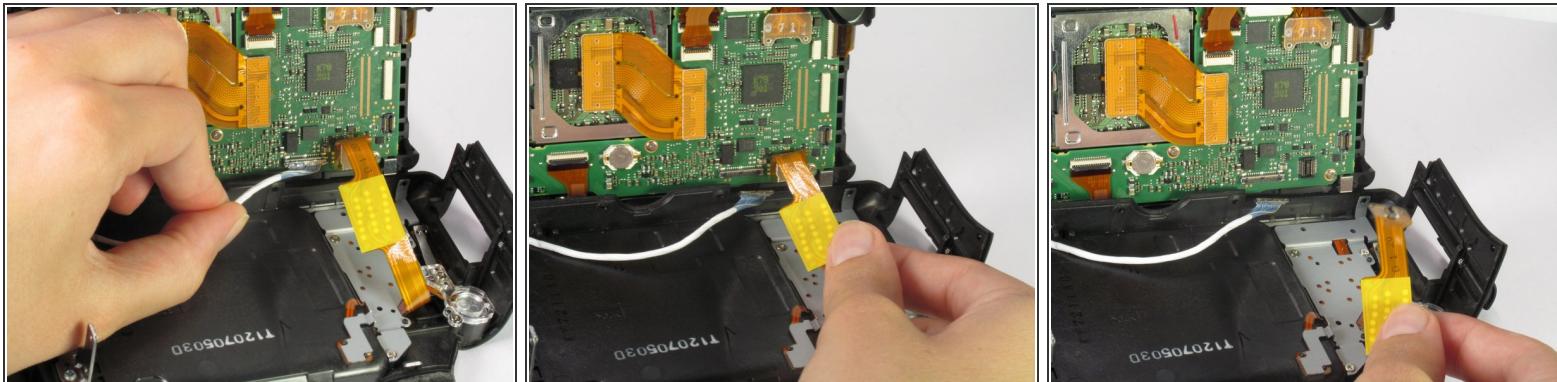
Step 7



- Remove the rear panel from the camera.

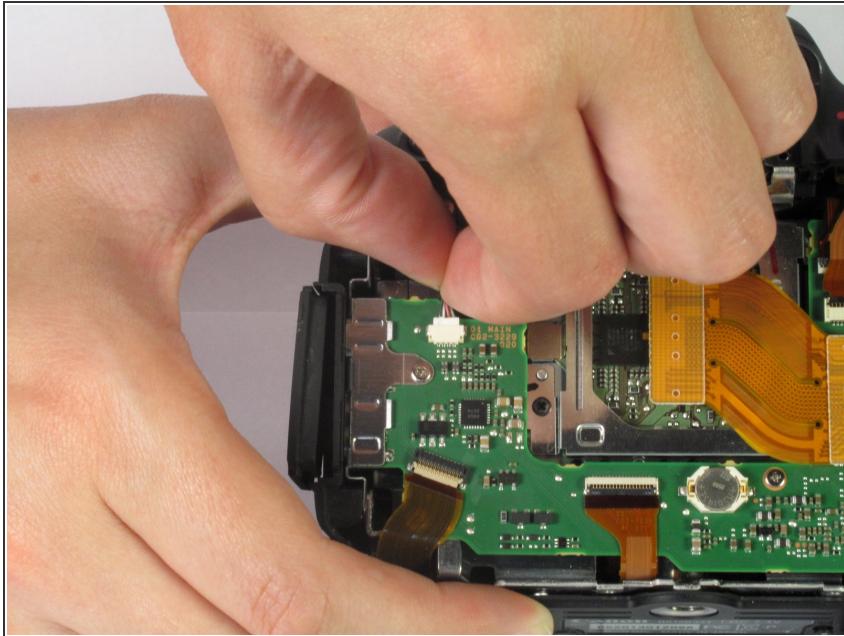
⚠ Several fragile cables are attached to the inside of the panel, so remove it gently.

Step 8



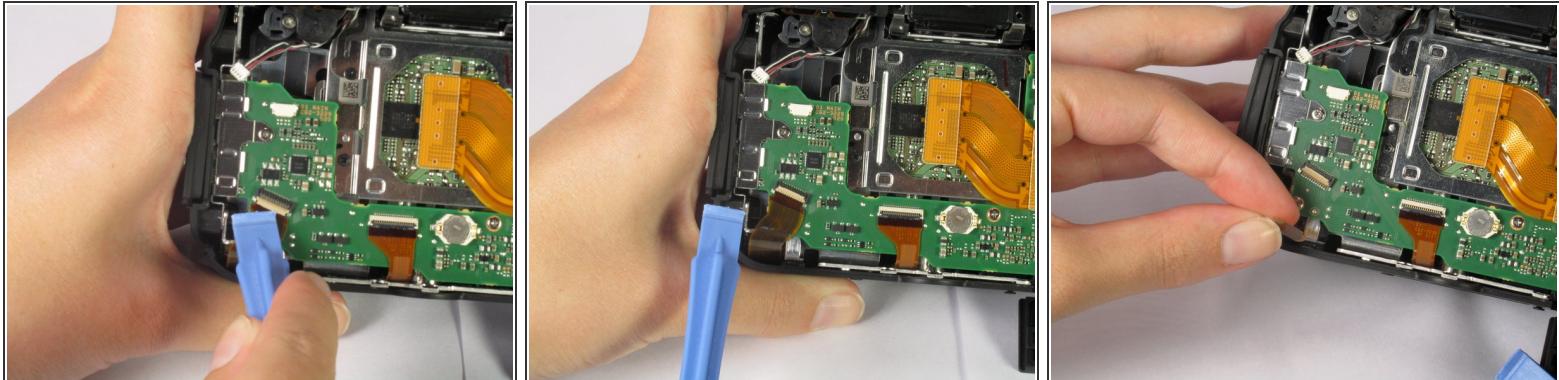
- In the lower right corner of the mother board, detach the blue cable.
- Then detach the ribbon cable going from the motherboard to the rear panel.

Step 9



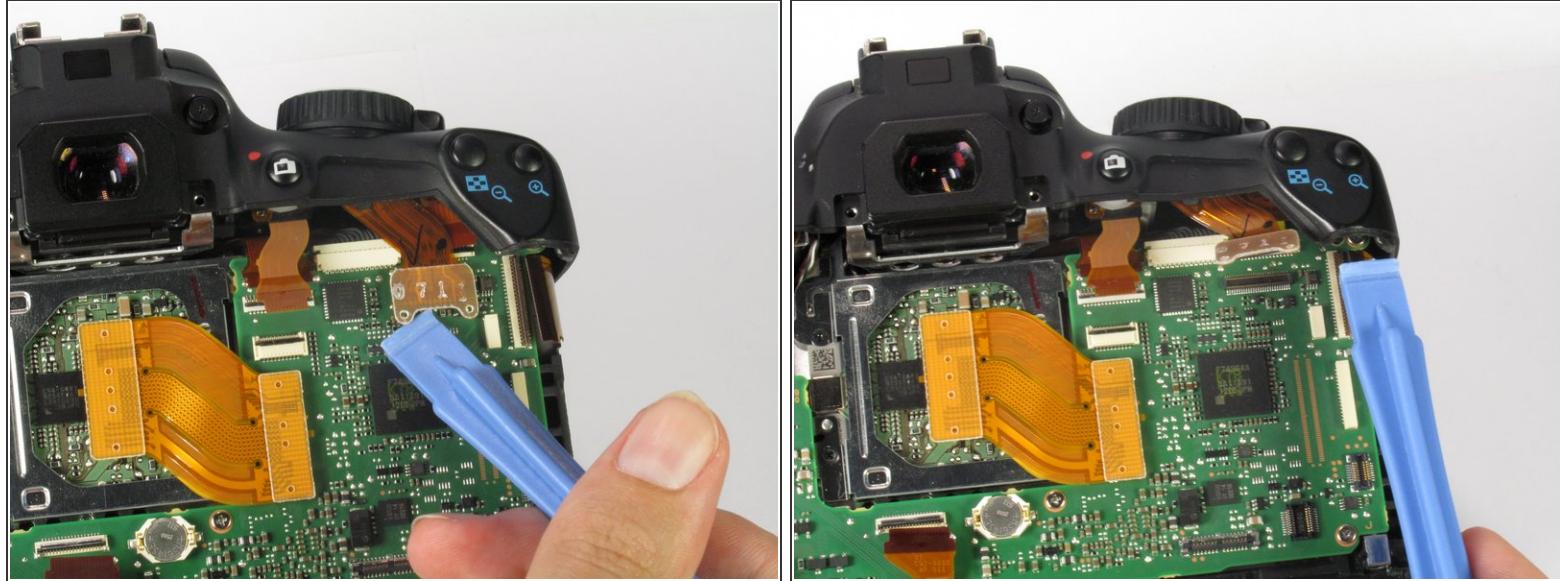
- In the upper left corner of the motherboard, remove the small multicolored wire from the motherboard.

Step 10



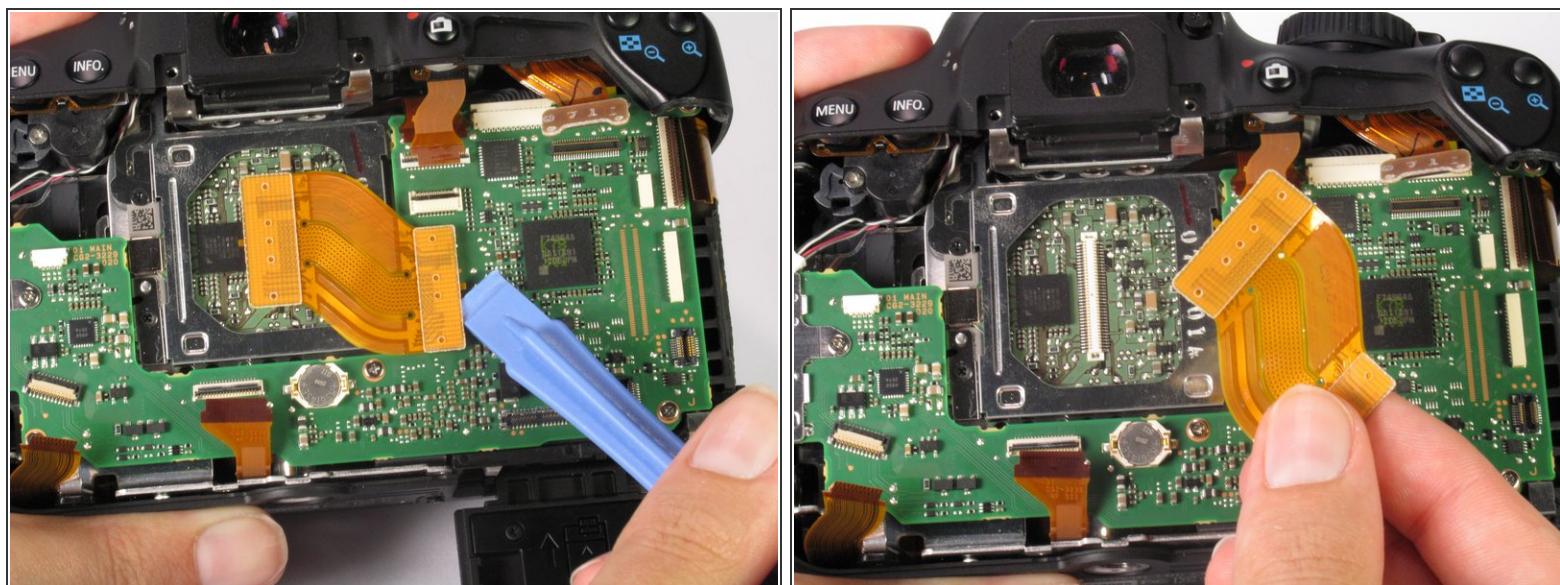
- Use the plastic opening tool to flip up ribbon cable connector.
- Gently disconnect the ribbon cable by pulling it away from the motherboard.

Step 11



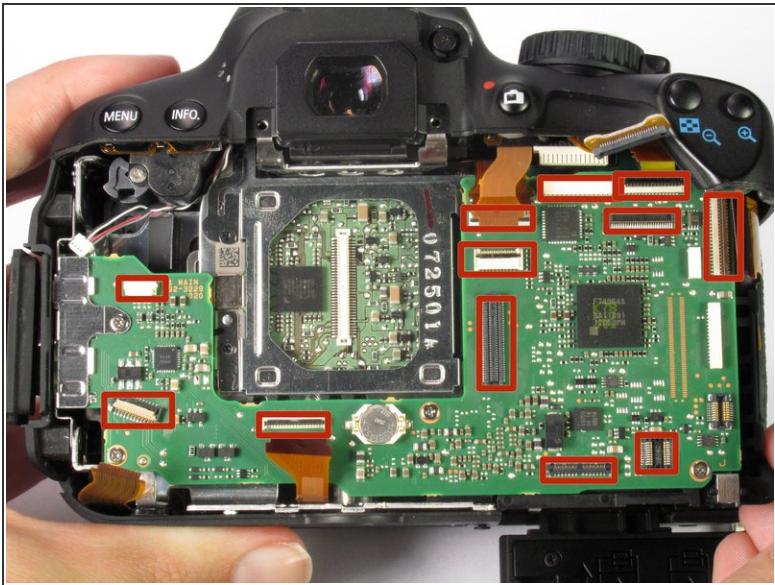
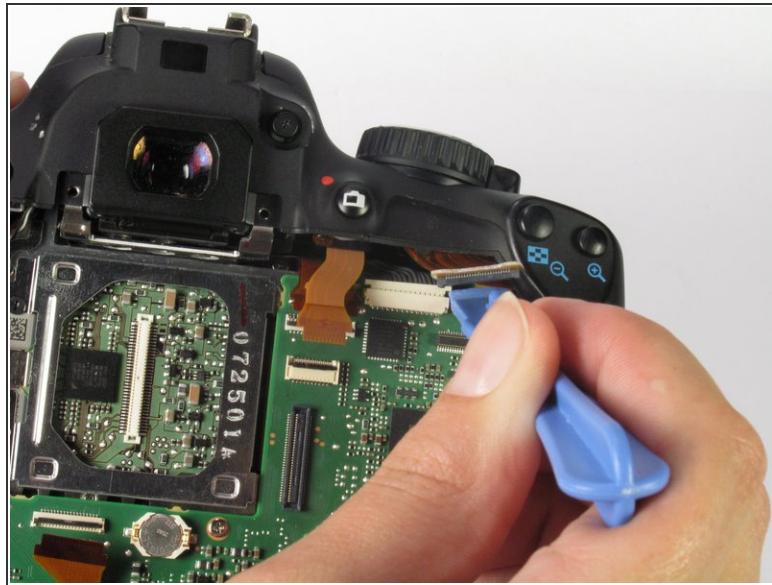
- In the upper right corner of the motherboard, use the plastic opening tool to remove the clear cable connector from the motherboard.

Step 12



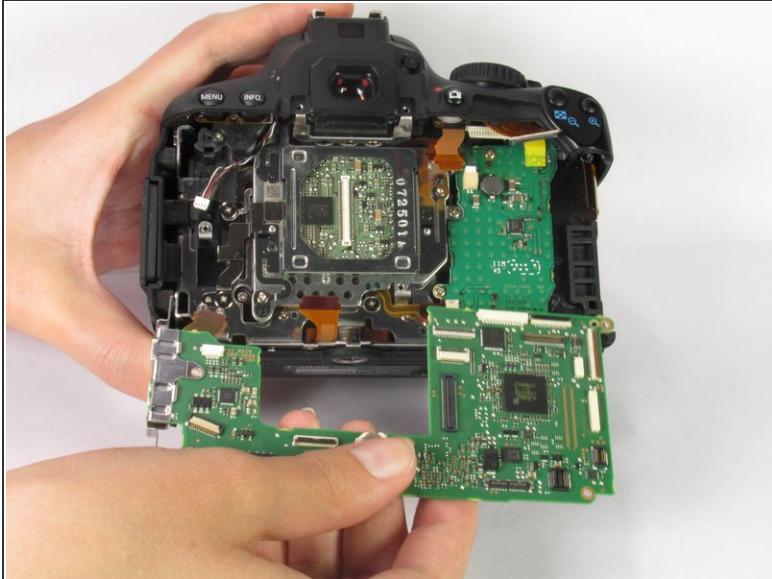
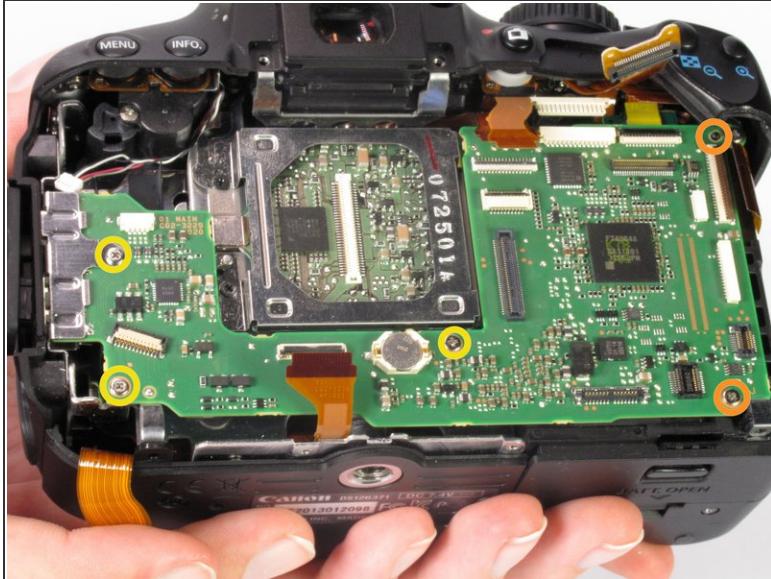
- Use the plastic opening tool to remove the ribbon cable connecting the image sensor to the motherboard.

Step 13



- Use the plastic opening tool to push on the indents of the plastic header to disconnect from the motherboard.
- Make sure all cables are disconnected from the motherboard.

Step 14



- Remove the following screws from the motherboard using the Phillips #00 screwdriver:
 - Two 3.9mm Phillips head screws.
 - Three 2.9mm Phillips head screws
- Gently pull the motherboard out of the camera.

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