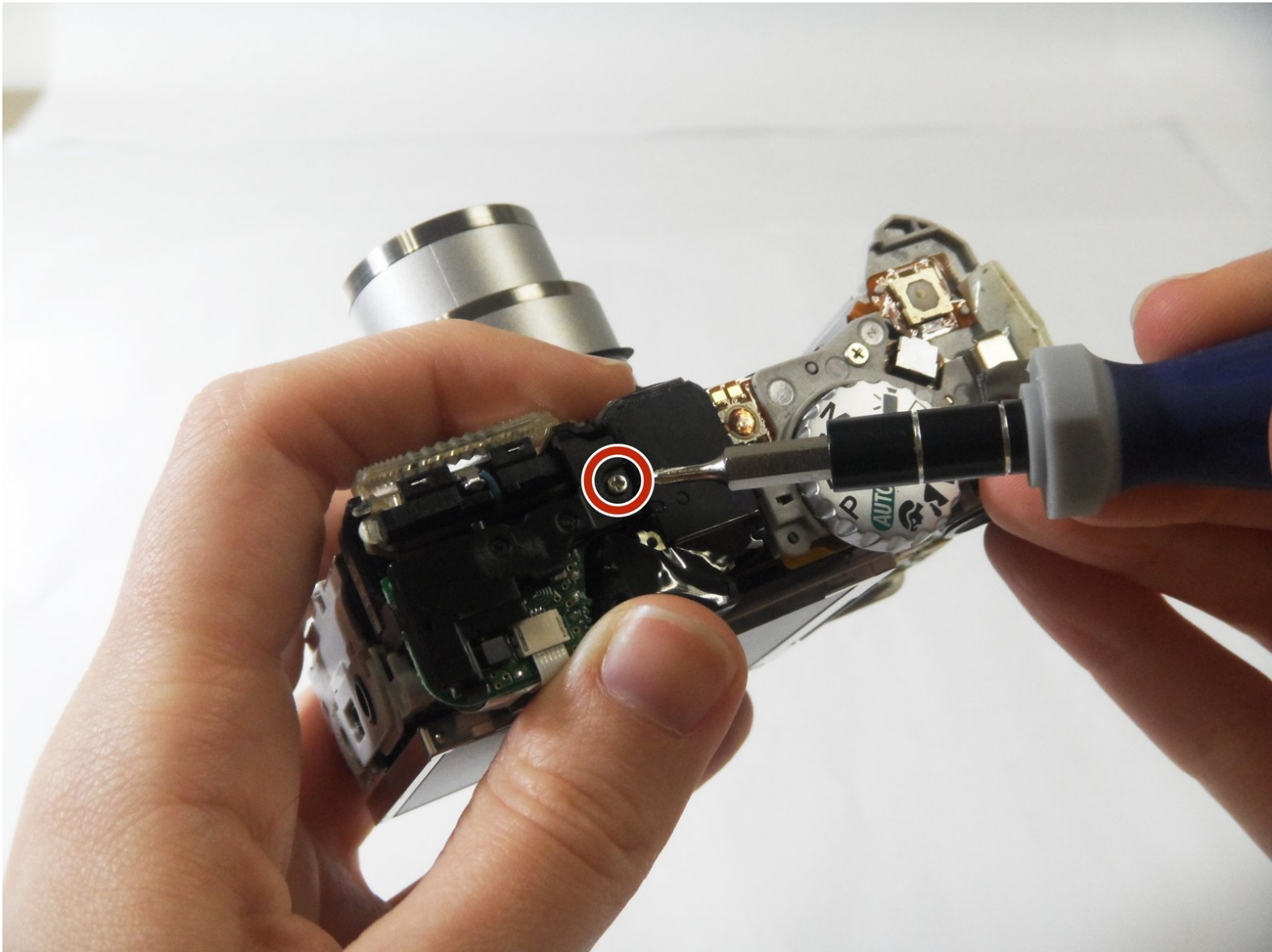# Canon PowerShot A540 Flash Motherboard Replacement

This guide teaches you how to remove and replace the flash motherboard.

Written By: Jared

INTRODUCTION

If your camera will not flash correctly, even with the proper settings, you might need to replace the flash motherboard. After removing the front and back covers, as well as the LCD screen, you will be able to replace the flash motherboard yourself.

⚙ TOOLS:

- Phillips #000 Screwdriver (1)
- Soldering Workstation (1)

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www.iFixit.com

Step 1 — Back Cover

- Turn off the camera.

- Turn the camera upside-down and press the tab to release the battery cover. Remove the batteries.

Step 2

- Turn the camera upside down to view the "Card/Batt. Open" Cover.

- Use a Phillips head #000 screwdriver to remove the three (3) 4.0 mm screws.

Step 3

- Open "Card/Batt. Open" Cover.

- Remove the one (1) 5.0 mm screw with the Phillips head #000 screwdriver.

Step 4

- Turn the camera to the right side of the LCD screen.

- Remove the three (3) 4.0 mm screws with the Phillips head #000 screwdriver.

Step 5

- Gently remove the back cover.
  - Start at the bottom at the corner of the "Card/Batt. Open" Cover.
  - Then move onto the other edges and the top.
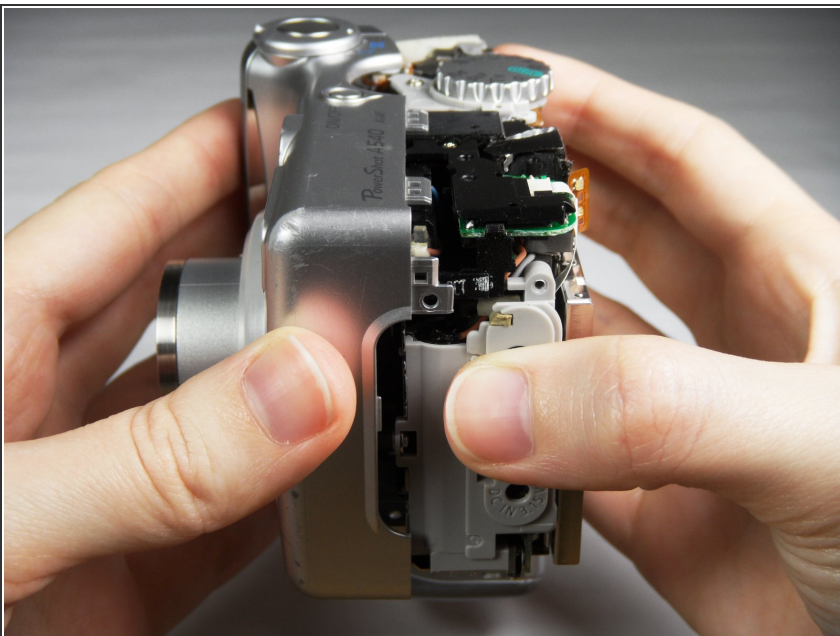- (i) It may be tight at the top!

Step 6 — Front Cover

- Turn the camera to view the front.

- Remove the lens guard.
  - Press the lens guard's button as you turn the guard counterclockwise.

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Step 7

- Turn the camera to the side left of the LCD screen.

- Remove the one (1) 4.0 mm screw with the Phillips head #000 screwdriver.
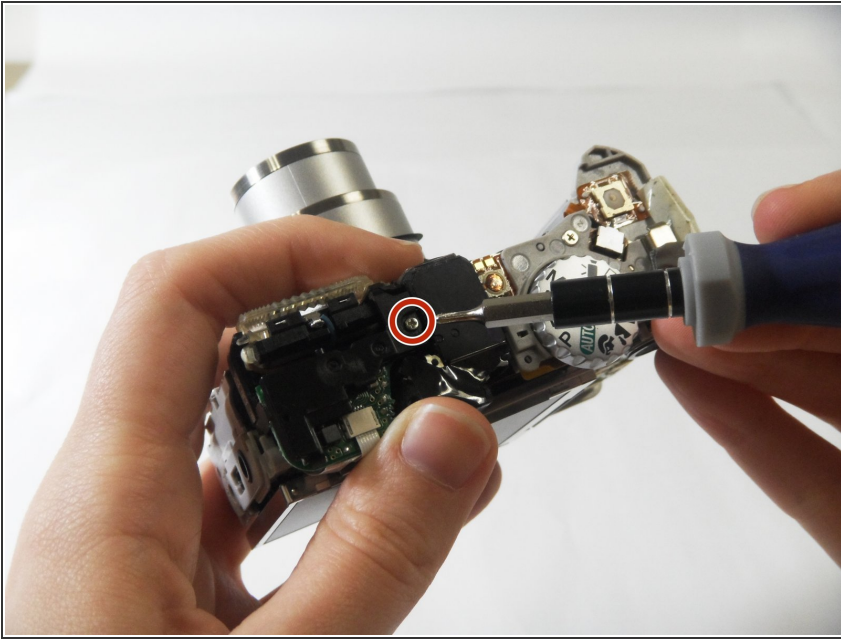
Step 8

- Remove the front cover gently.

- ⓘ When removing the front cover, a thin, black rubber washer may fall off the lens. If it does, make sure to put it back on the lens before reassembly.
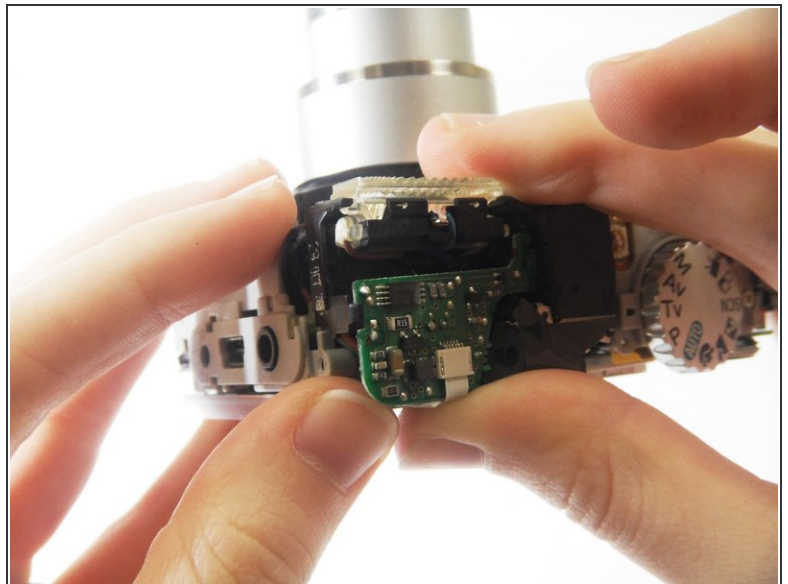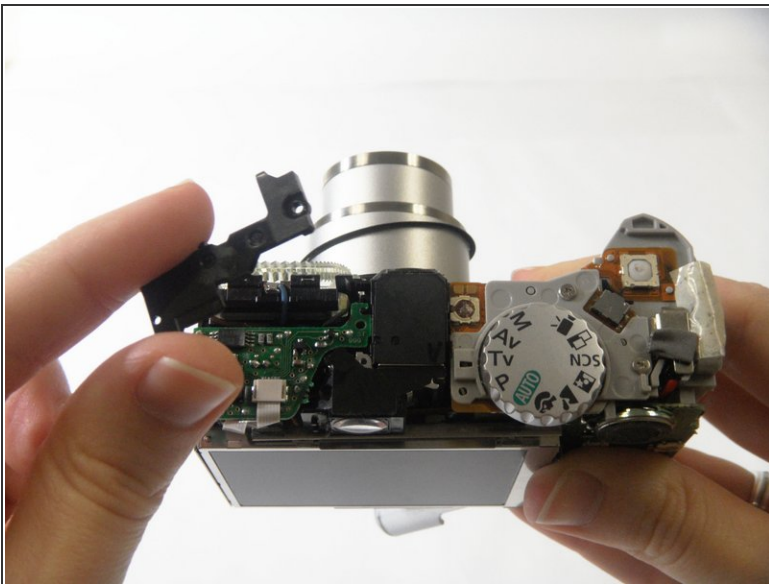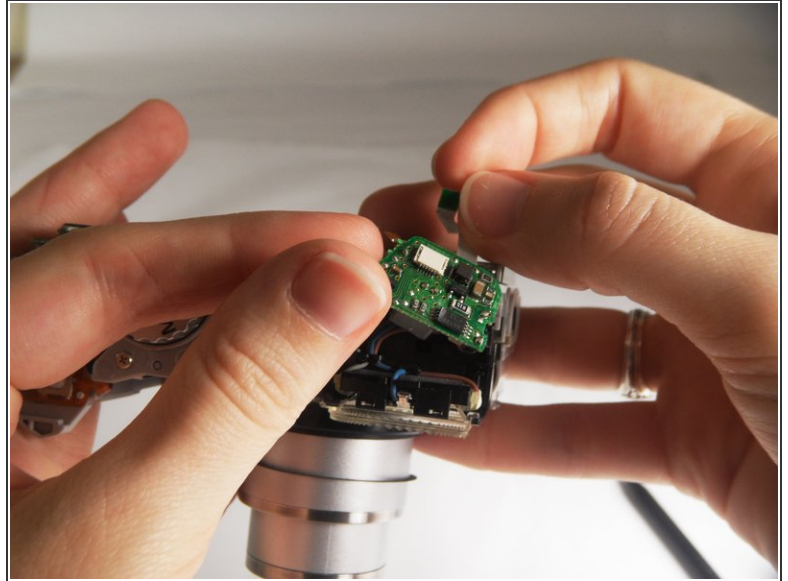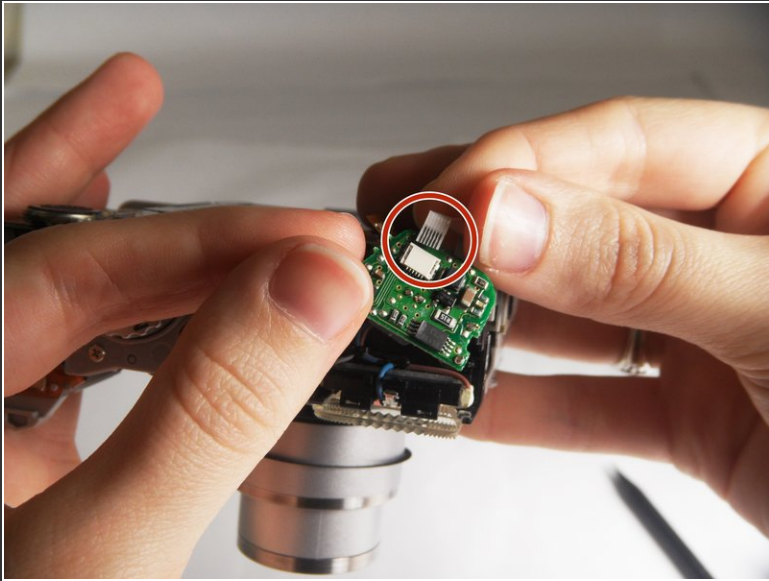
Step 9 — Flash Motherboard

- Turn camera so that you see the top side with the settings wheel.

- Use a Phillips head #000 screwdriver to remove the one (1) 5.0 mm screw at the top as shown.
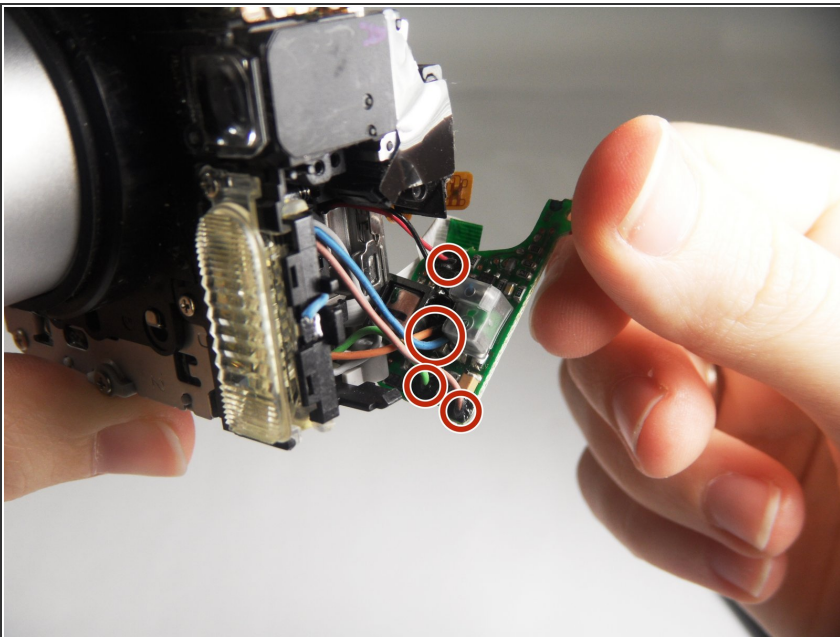
Step 10

- Remove plastic cover so that you can see the exposed motherboard.

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Step 11

- Gently pull the ribbon out.

Step 12

- Using a soldering iron and a desoldering wick, carefully disconnect **all** the wires from where

they come into contact with the flash motherboard.

- When all the wires are disconnected, you are ready to replace the flash motherboard.

⚠️ If you have no experience with soldering, do not attempt to replace the flash motherboard. Seek help from someone who has experience with this equipment.

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