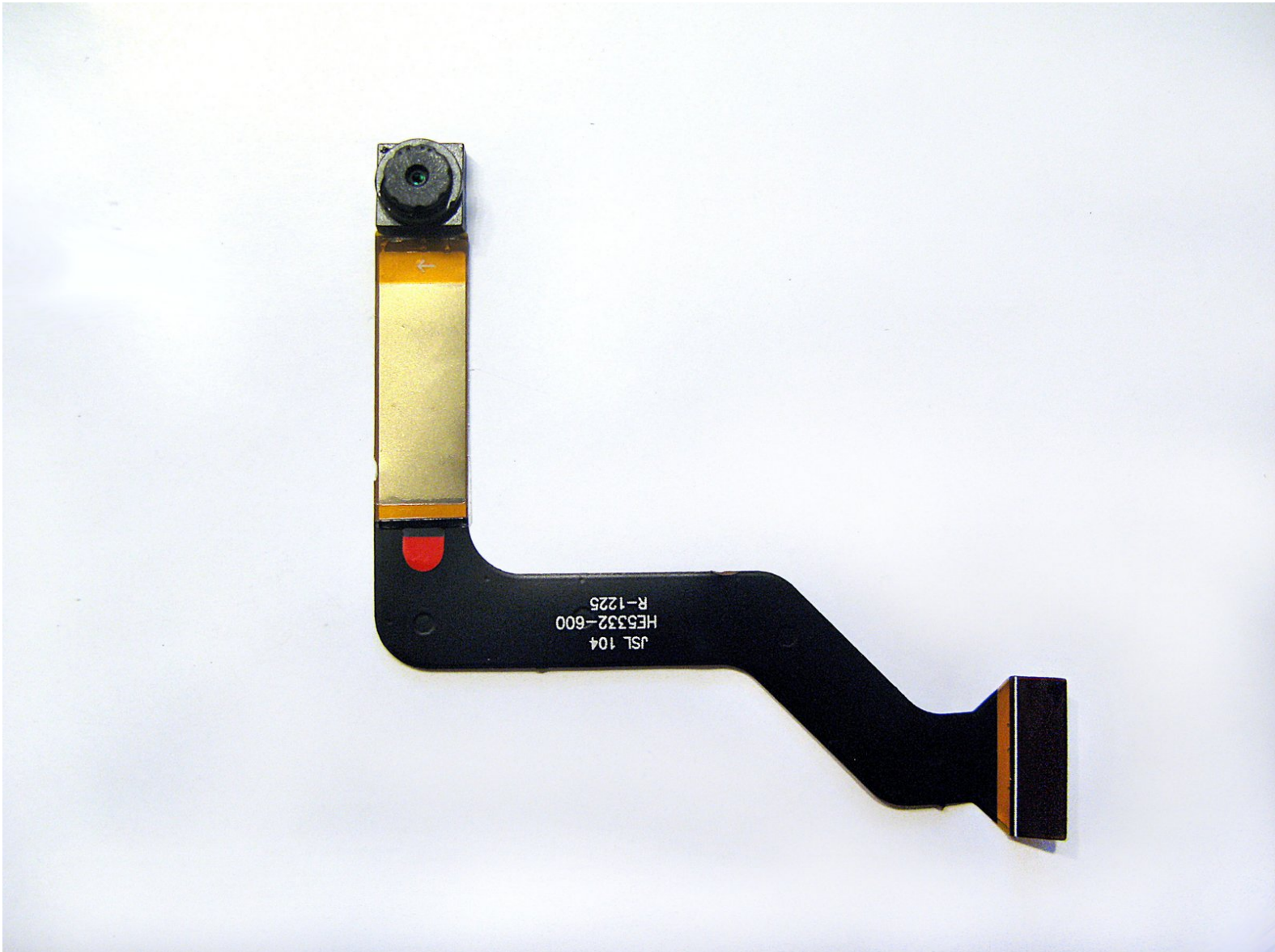# LeapFrog LeapPad2 Explorer Front Camera Replacement

Replacing the front camera in your LeapFrop LeapPad2 Explorer.

Written By: Nupur Garg

INTRODUCTION

Are your selfies not showing up? Replace your front camera to see how beautiful you are.

This guide will require soldering equipment and skill.

⚒ TOOLS:

- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Safety Glasses (1)
- Soldering Workstation (1)

Step 1 — Battery

- Before disassembling your LeapPad, ensure your device is shut off.

- Push outward on the plastic side panels to remove and reveal battery.

- The panels should detach fully from the main device.

Step 2

- Push down from the positive end of the battery towards the negative end to pry the battery up out of its dispenser.

- Remove all four AA alkaline batteries from the device.

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Step 3 — Back Cover
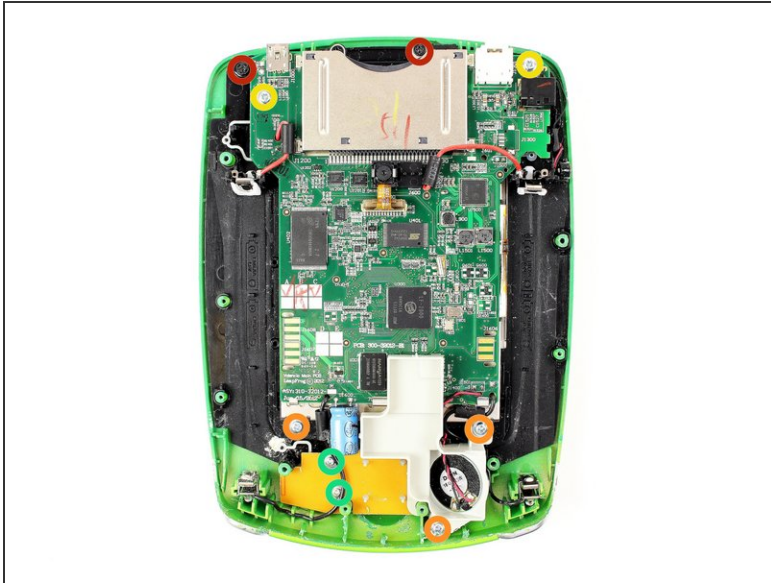

⚠ This step will void your device warranty.

● Remove the following screws securing the back cover to the main device:

  ● Two 10.0 mm Phillips screws

  ● Four 4.0 mm Phillips screws
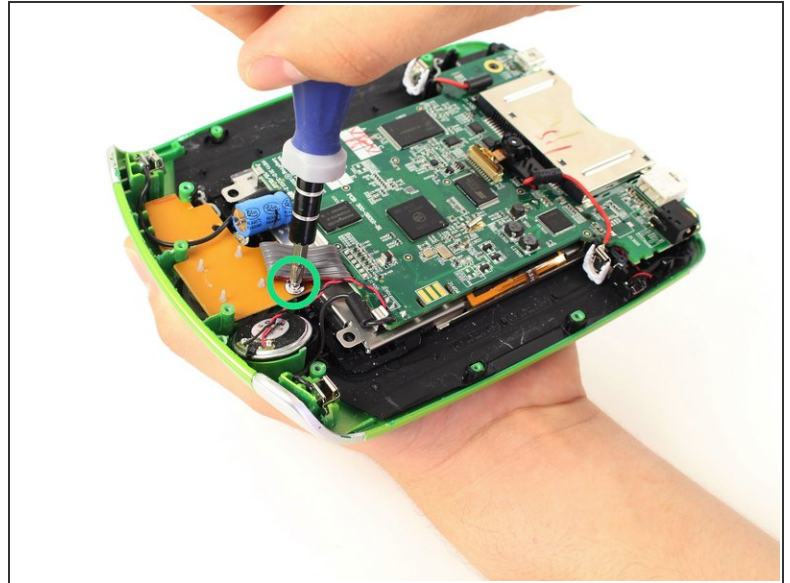
  ● Three 3.0 mm Phillips screws

Step 4

- Insert a plastic opening tool into the seam between the front and rear covers to detach the back cover from the rest of the device.

- Move the plastic opening tool around the perimeter of the LeapPad2.

- Lift up and remove the rear case from the tablet.

- (i) A butter knife can help when prying the device.
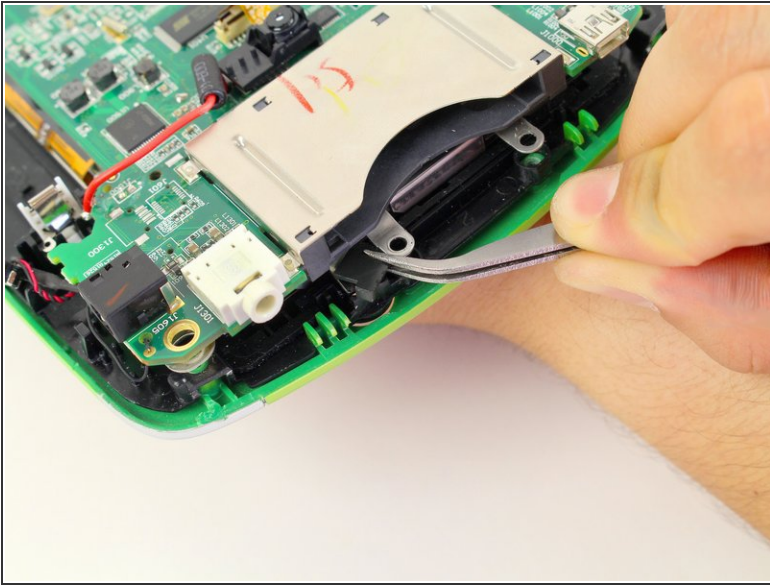
Step 5 — Front Cover

- Remove the following screws securing the front cover to the main device:
  - Three 6.0 mm Phillips screws
  - Three 7.0 mm Phillips screws
  - Two 10.0 mm Phillips screws
  - Three 7.0 mm Phillips screws (bulkier screw head than other 7.0 mm Phillips screws)
    - ⓘ The white plastic component holding the speaker must be removed to reach the third 7.0 mm Phillips screw. Refer to Step 2.
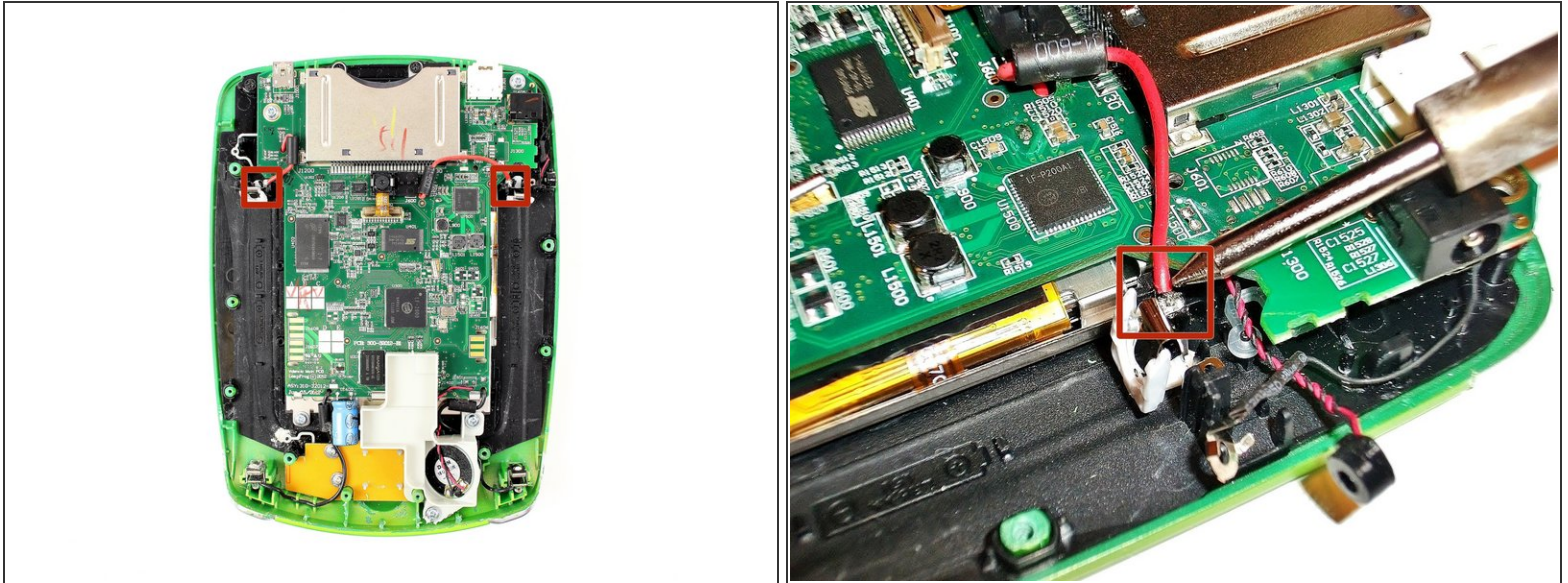
Step 6

- Unscrew the white plastic piece to expose the third 7.0 mm Phillips screw mentioned.
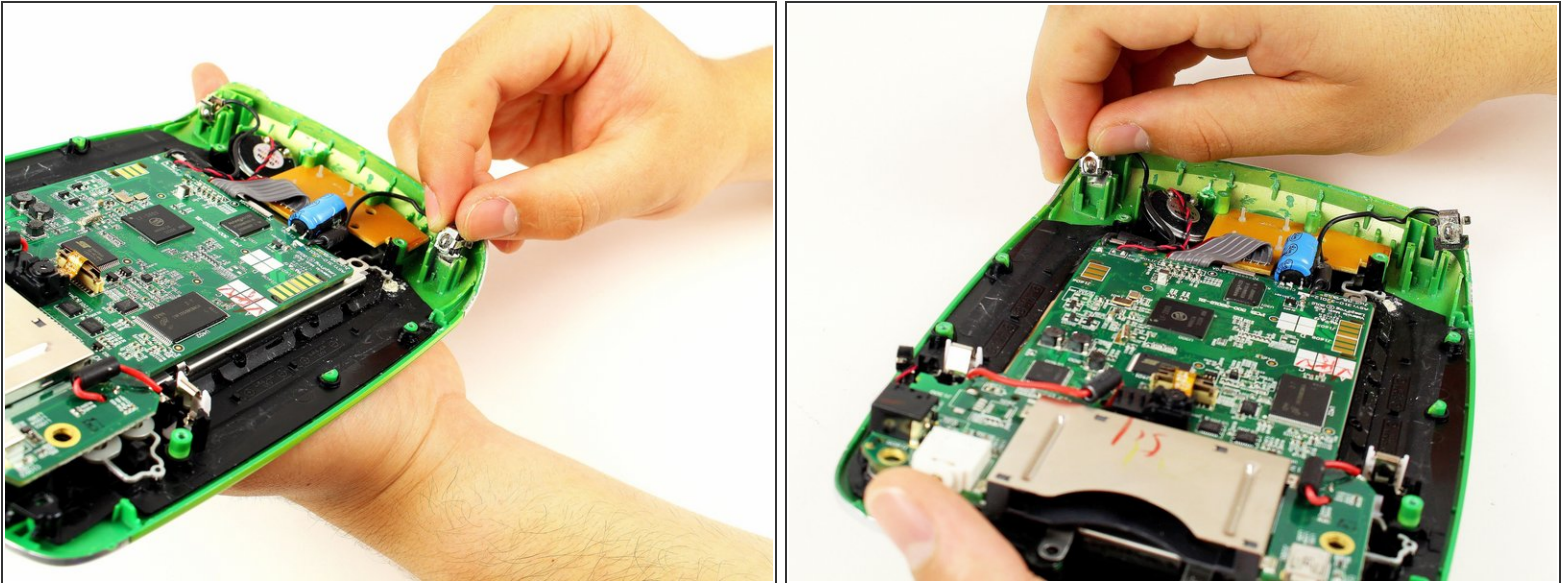
Step 7

- When unscrewing the game cartridge screws, you will find a loose black plastic component underneath the game cartridge.

- Use tweezers to remove the piece.

- In case the piece falls out unexpectedly, refer to this step to make sure you put this piece back in place during the reassembly of your device.
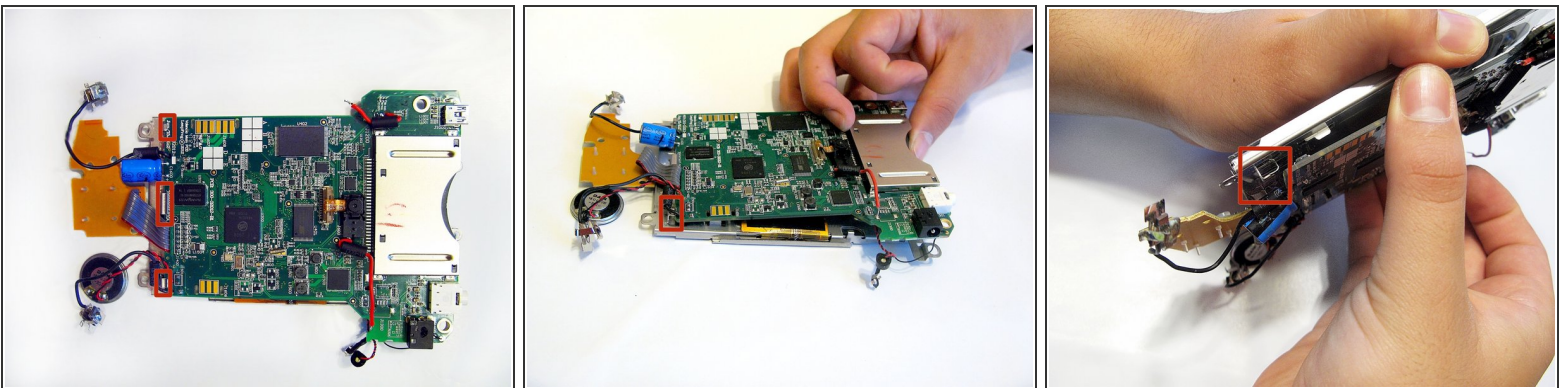
Step 8

- Desolder the through hole-components in power plugs on both sides of the device where the batteries were once connected.

- ⓘ Do not refer to the pictures in this step for correct soldering and de-soldering techniques. They are solely for illustration purposes.

- ⓘ For proper soldering and desoldering techniques reference [How To Solder and Desolder Connections](.).

- ⚠ Soldering requires the iron to be at hot temperatures and can cause burns. Wear safety glasses as needed.

- ⚠ Be extremely careful with the cables in this step as they could melt, burn, or break.
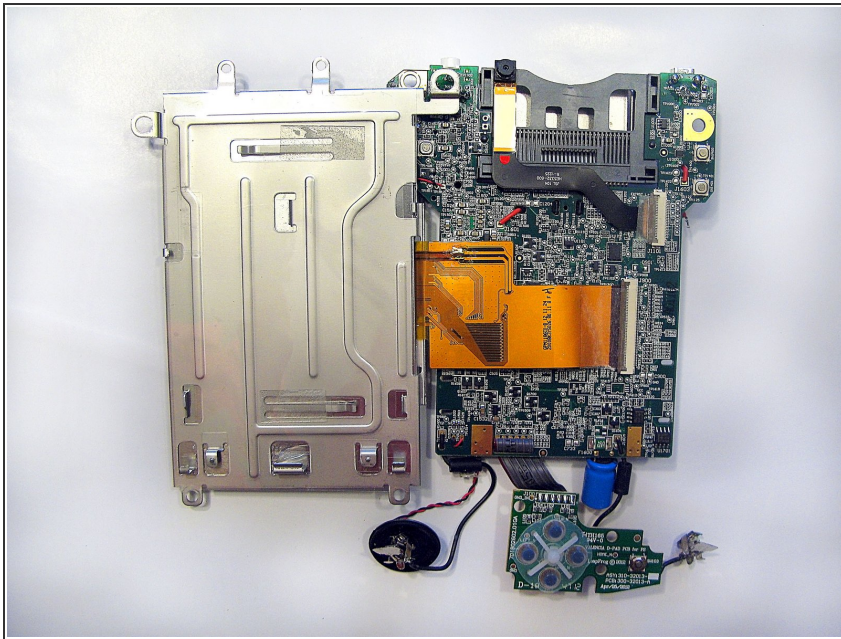
Step 9

- Pry the power cables from the device using your fingers or tweezers.

- Now you should be able to lift up the front cover, leaving you with the motherboard and screen.
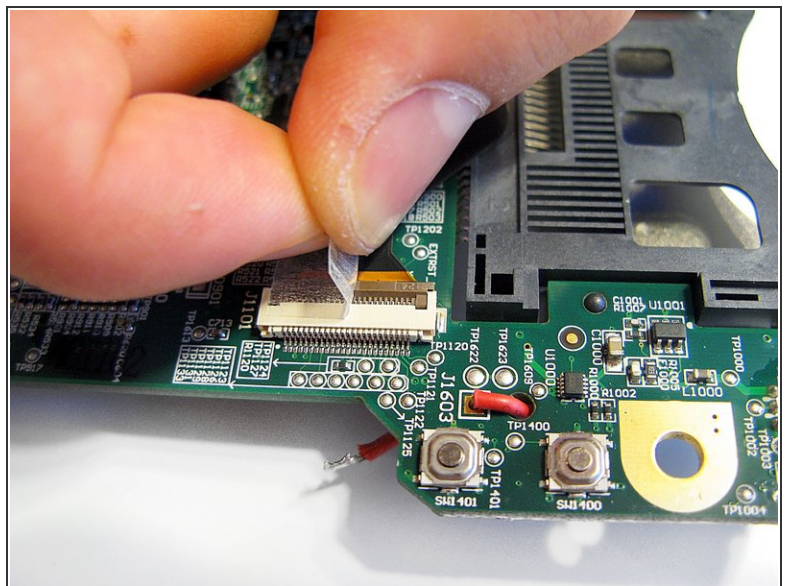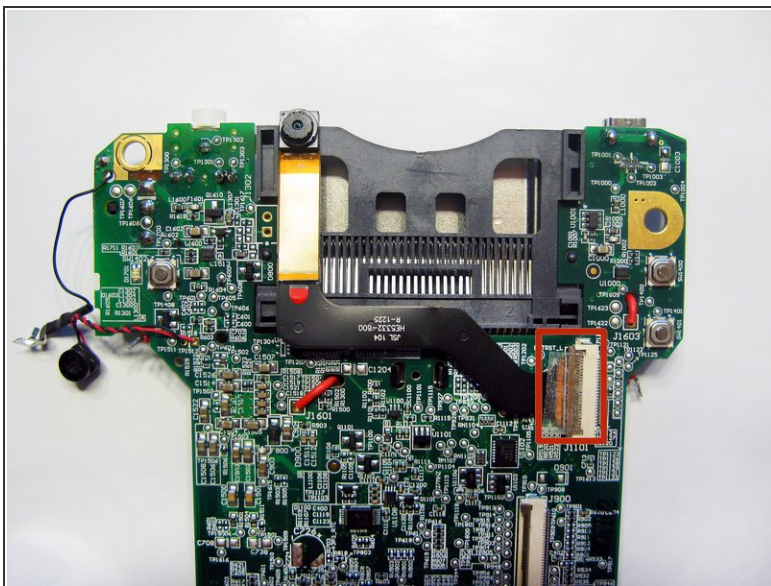
Step 10 — Front Camera

- Lift the screen from the motherboard by pulling the board out from the three metal tabs.

⚠️ Do not be too aggressive when separating the components, as the parts are still connected.

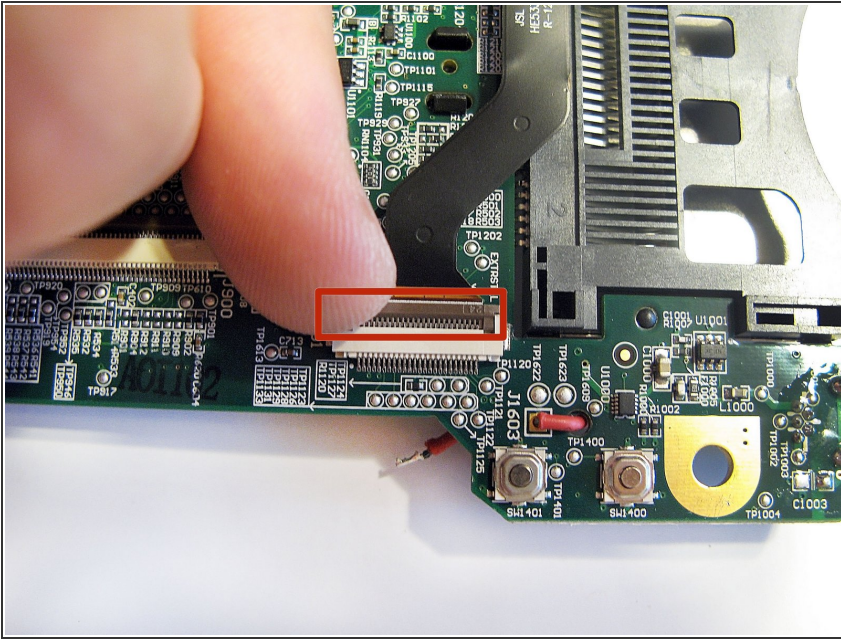This document was generated on 2020-11-18 07:49:11 PM (MST).

Step 11

- Separate the screen from the motherboard and lay the device's components flat open like a book.

⚠ Do not be too aggressive when separating the components, as the parts are still connected.

Step 12

- Peel off tape covering the camera's connection ribbon to the circuit.

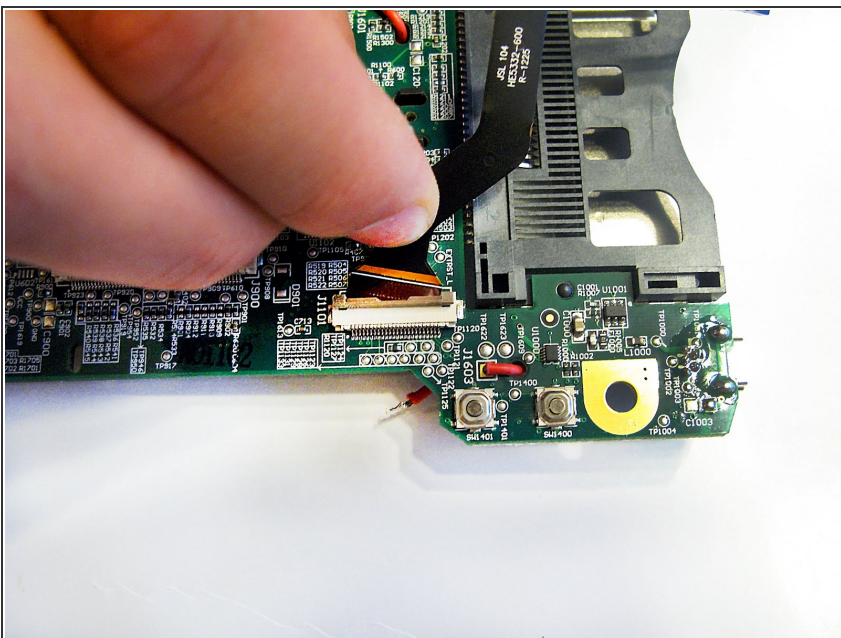This document was generated on 2020-11-18 07:49:11 PM (MST).

Step 13

- To safely remove the ribbon cable, you must first pull up the retaining flap.

- ⚠ Failing to do this step could result in damage to the cable and/or connector.

Step 14

- Gently pull outward, to remove the ribbon from the socket on the circuit board.

- ⓘ If the flap is up as shown in the picture, no force should be required to remove the ribbon cable.

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

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