



HTC Thunderbolt Camera Replacement

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INTRODUCTION

Use this guide to replace a broken or damaged camera.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
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Step 1 — Rear Panel



- Insert the plastic opening tool into the top of the Thunderbolt near the power button.
- Gently pry up on the rear panel around the edges until it is loose.

Step 2



- Lift and remove the rear panel.

Step 3 — Battery



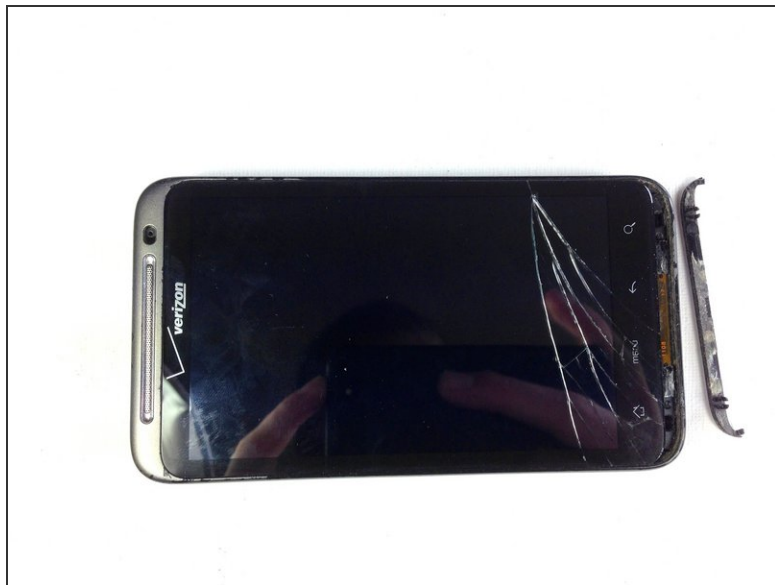
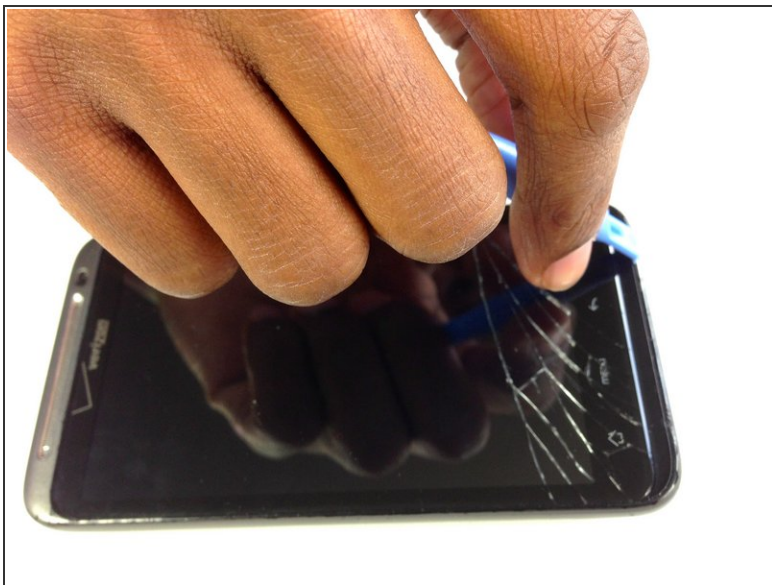
- Using the plastic opening tool, lift up the battery from the bottom near the kickstand.
- Remove the battery from the inner frame.


Step 4 — Rear Frame



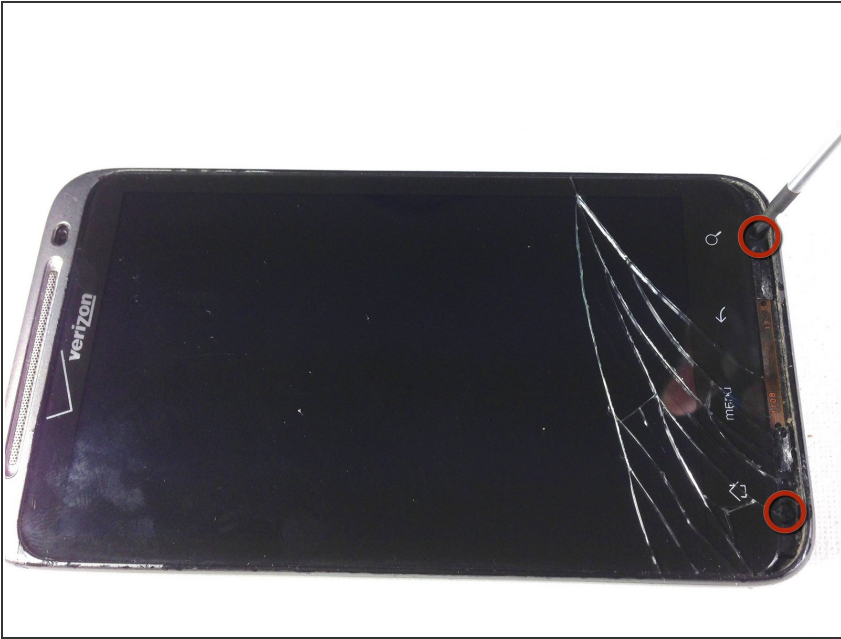
- Remove the six Phillips screws from the perimeter of the rear frame.
- ⚠ By removing the screw with the "void" sticker on it, your Thunderbolt will no longer be covered under warranty.

Step 5



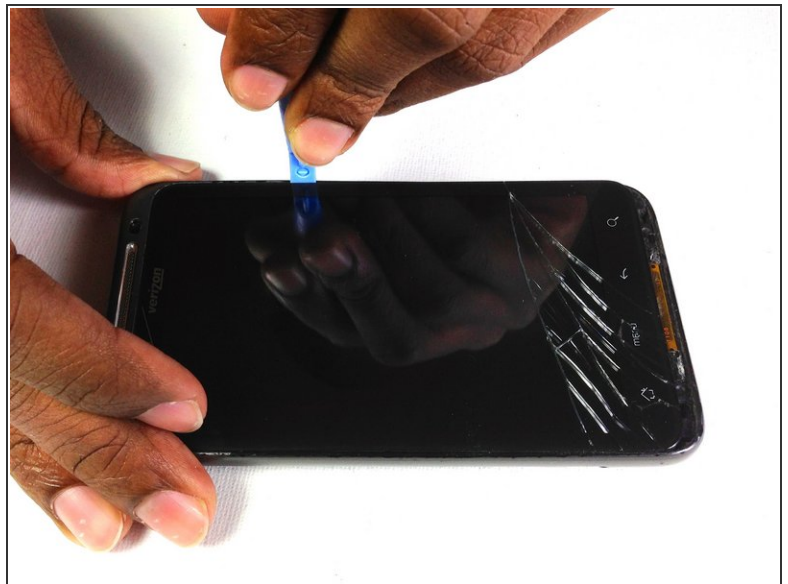
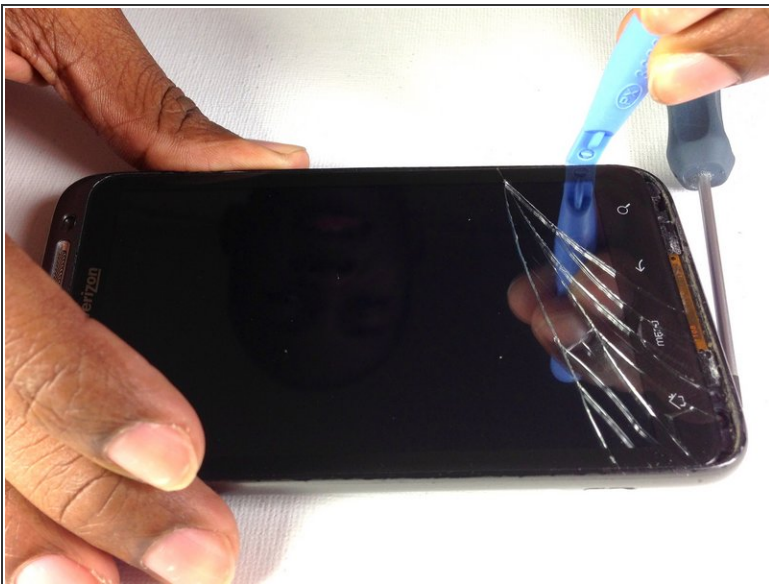
- Insert the plastic opening tool into the bottom of the phone underneath the soft keys.
 - Gently pry up on the plastic cover by sliding the plastic opening tool across the bottom of the phone.
 - Remove the plastic cover.
-  The plastic cover will have adhesive on it making it difficult to remove.

Step 6



- Remove the two Phillips screws where the plastic cover was.

Step 7



- Insert the plastic opening tool in between the screen and the frame on the side of the phone.
- Slowly slide the the plastic opening tool along the side of the phone until the screen begins to separate from the frame.
- Do the same for the opposite side of the phone.

Step 8



- Carefully separate the screen and phone from the rear frame, starting from the bottom.
- Gently pull down on the phone and screen to fully separate it from the rear frame.

Step 9 — Rear Inner Frame



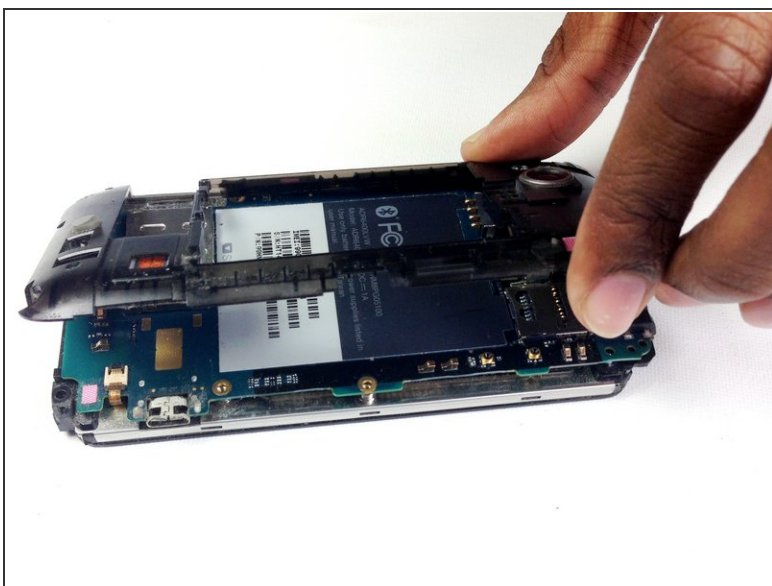
- Remove the two Phillips screws securing rear inner frame to device.

Step 10



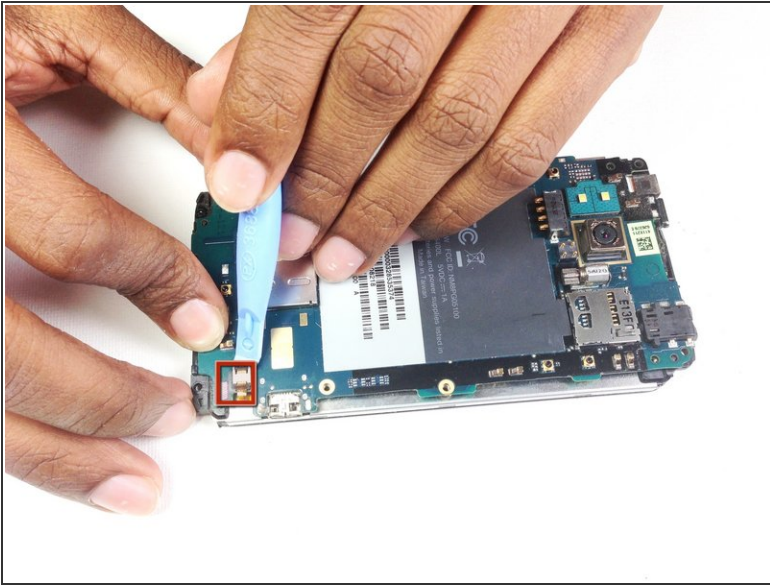
- Insert the plastic opening tool between the rear inner frame and the motherboard and slowly work your way around the device.

Step 11



- Remove the rear inner frame from the rest of the device.

Step 12 — LCD/Screen



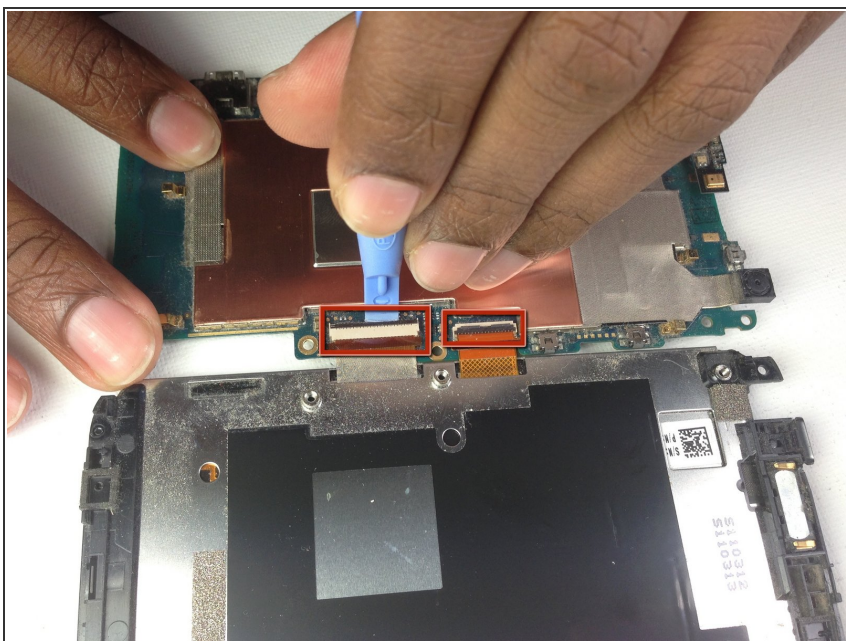
- Using the tip of an plastic opening tool flip up the tab holding the capacitive button ribbon cable.
- ⚠ Be careful opening these tabs as they are very easy to break.
- Use a pair of tweezers to pull the capacitive button cable out of its socket.

Step 13



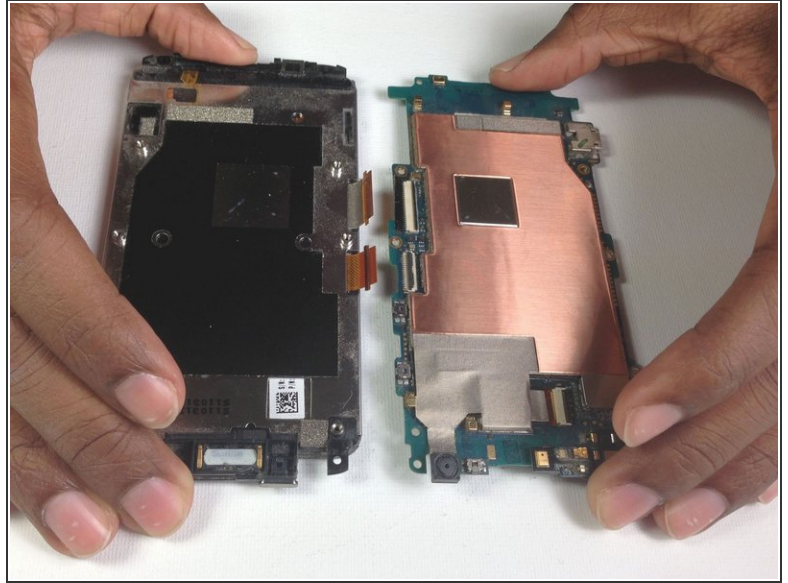
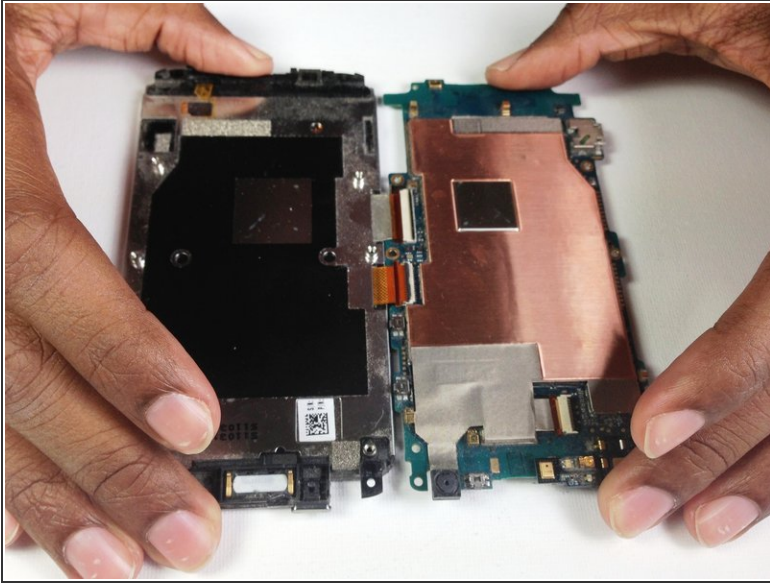
- Lifting from the side where the ribbon was disconnected, flip over the motherboard.
- Remove the black tape covering the tabs connecting the motherboard and LCD.

Step 14



- Using the plastic opening tool pop up the two tabs connecting the LCD and motherboard.

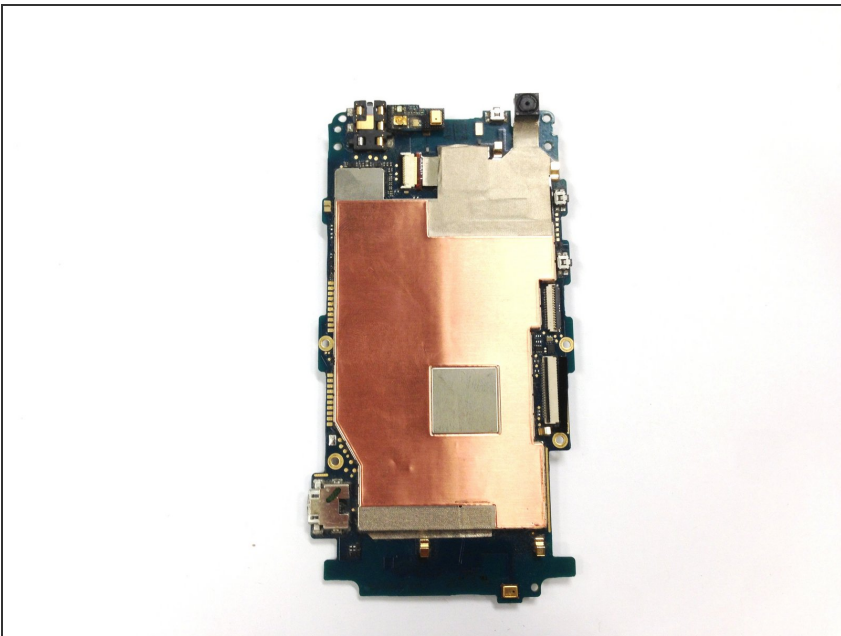
Step 15



- Once the tabs have been popped up, slowly pull the two pieces away from each other.

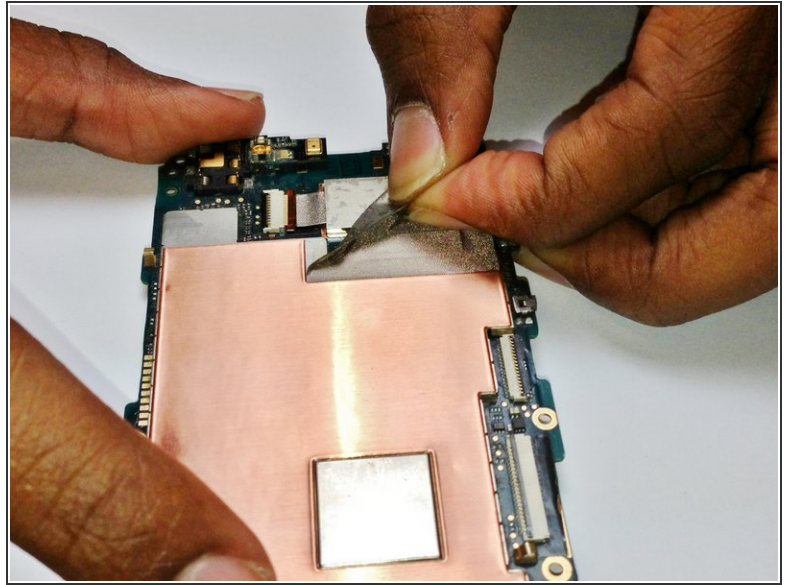
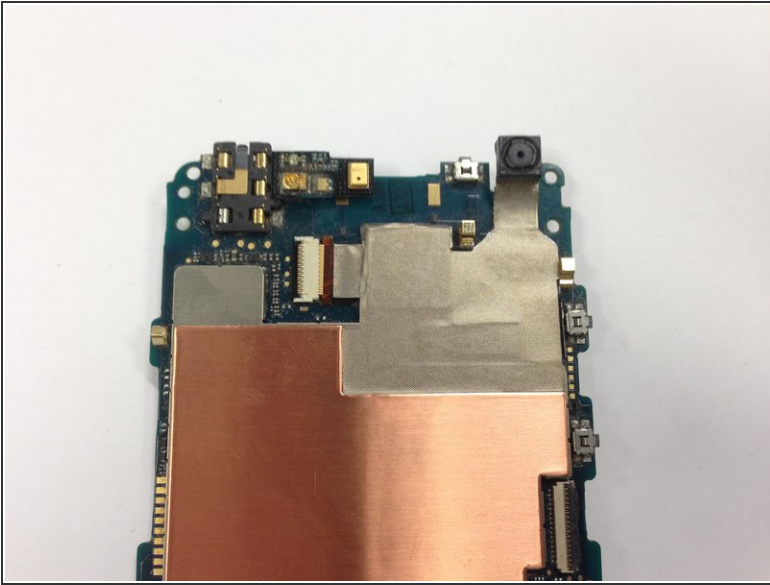
⚠ If there is resistance pulling apart the phone then a ribbon or tab has not been disconnected properly/completely.

Step 16 — Motherboard



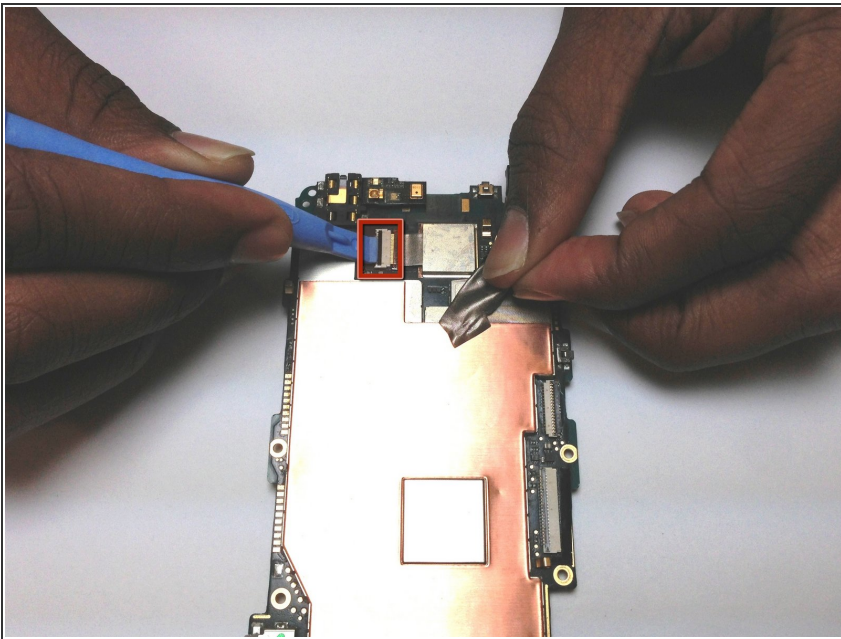
- The motherboard should now be completely disconnected

Step 17 — Camera



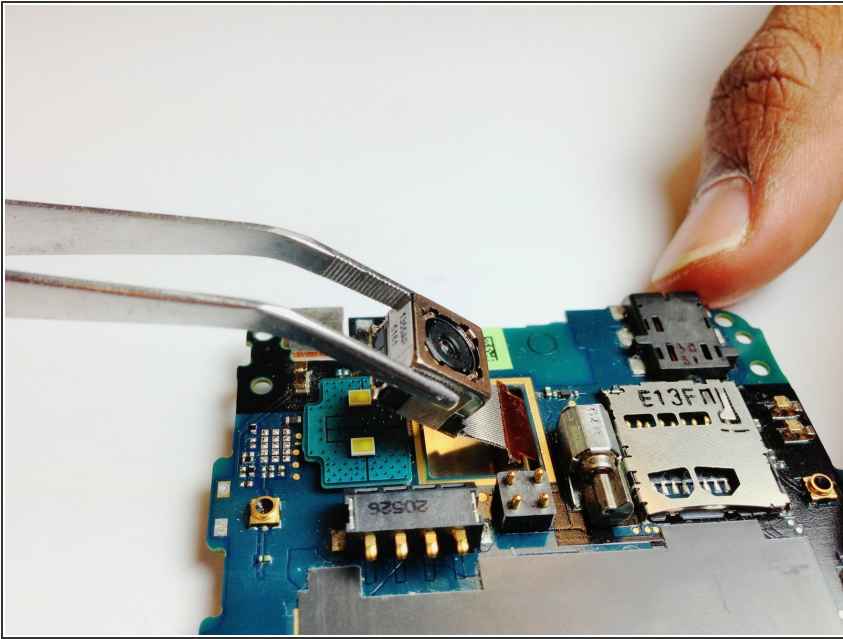
- Use a finger nail to get in between the tape and the phone, then pull the tape off gently.

Step 18



- Pop up the tab connecting the camera to the motherboard.

Step 19



- Flip over motherboard and using tweezers gently grab the camera, then pull back and up.

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