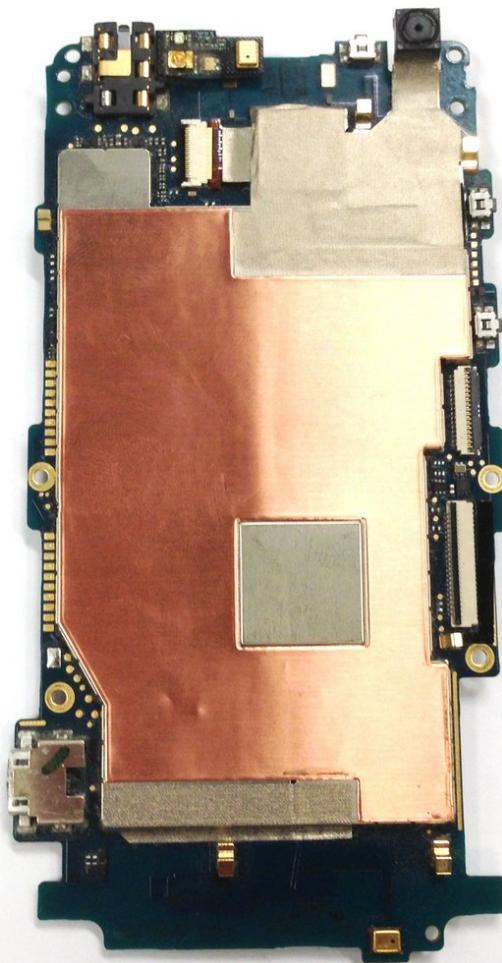




HTC Thunderbolt Motherboard Replacement

Written By: Vanessa



INTRODUCTION

Use this guide to gain access to the motherboard of your HTC Thunderbolt. It is the main control for the entire phone.

TOOLS:

- [Phillips #0 Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Tweezers \(1\)](#)

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



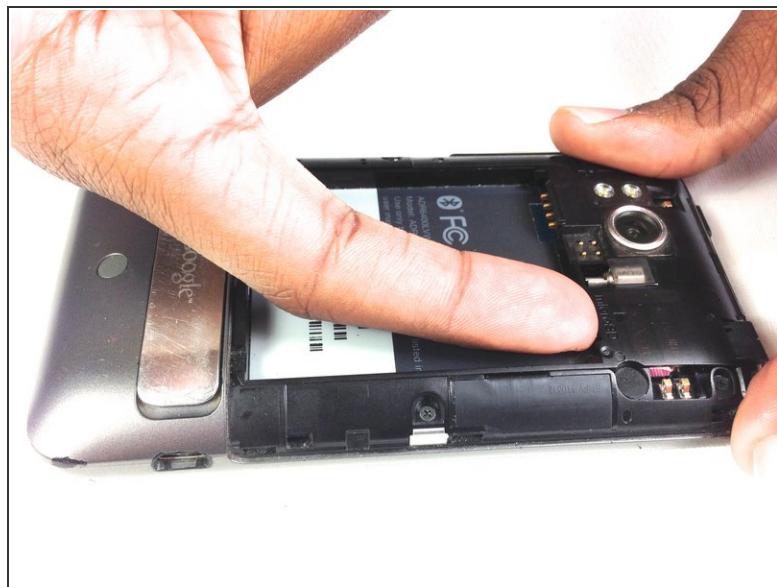
- Lift and remove the rear panel.

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 — MicroSD Card



- Use your finger to push the MicroSD card in towards the top of the phone, allowing it to be released from the casing.

Step 5



- Use tweezers to grab onto the MicroSD card and carefully remove it from the casing.

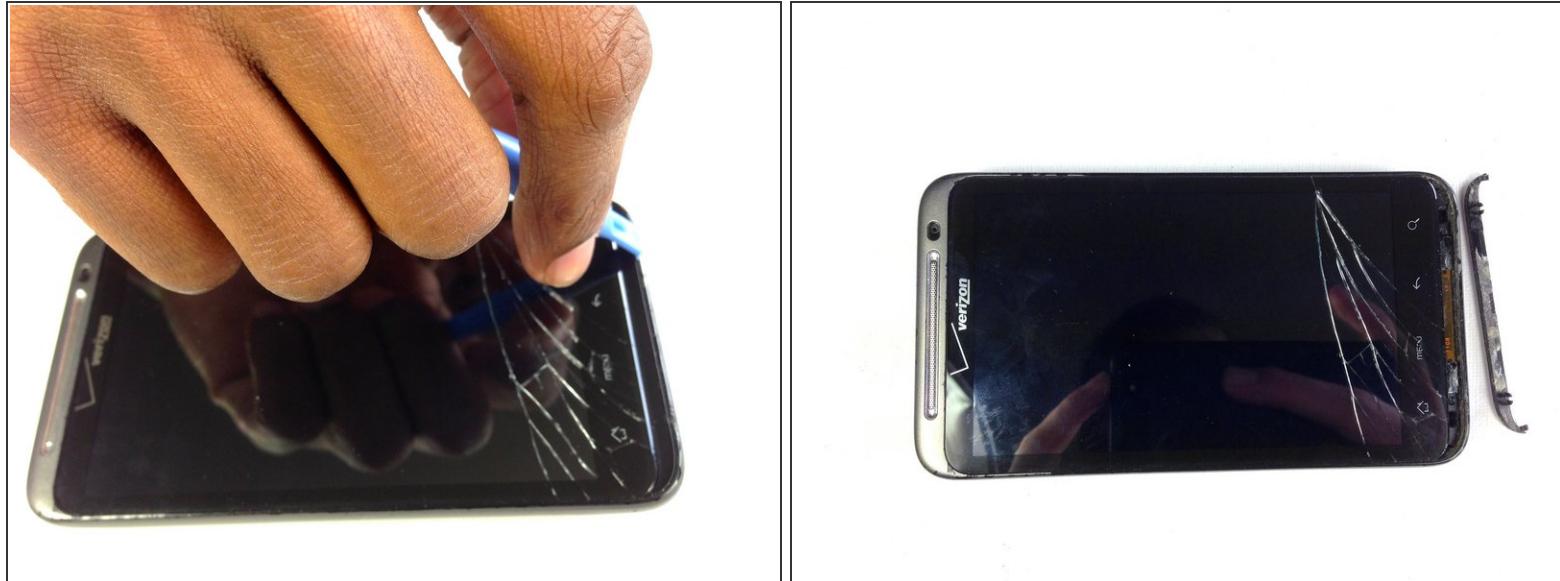
Step 6 — Rear Frame



- 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.

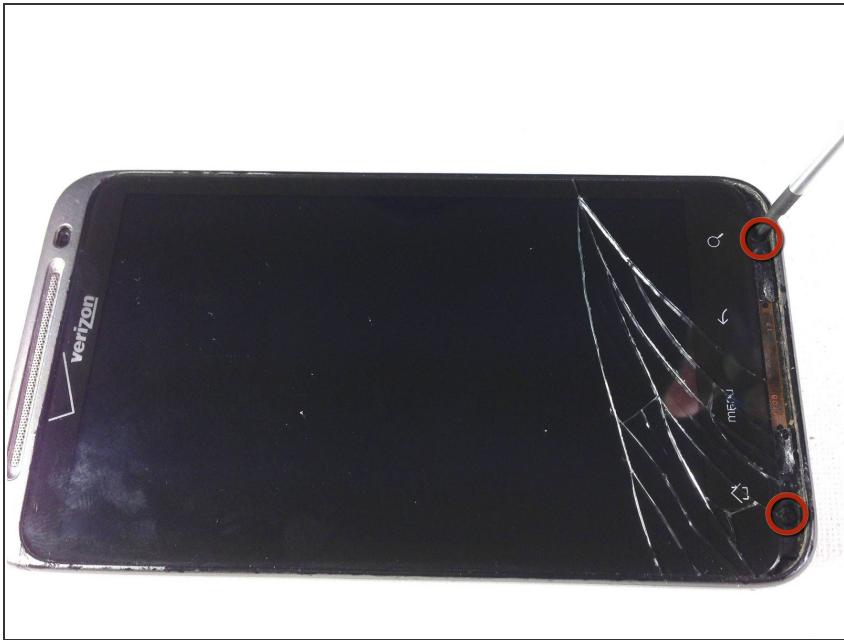
Step 7



- 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.

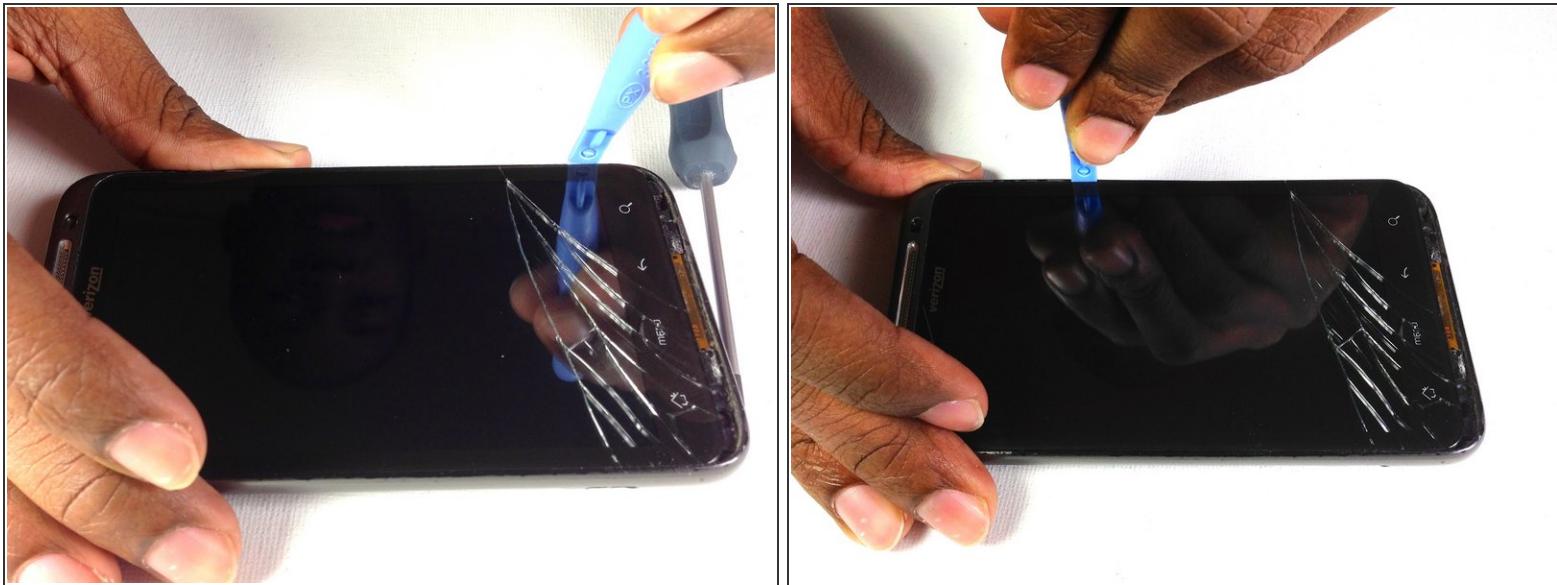
(i) The plastic cover will have adhesive on it making it difficult to remove.

Step 8



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

Step 9



- 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.

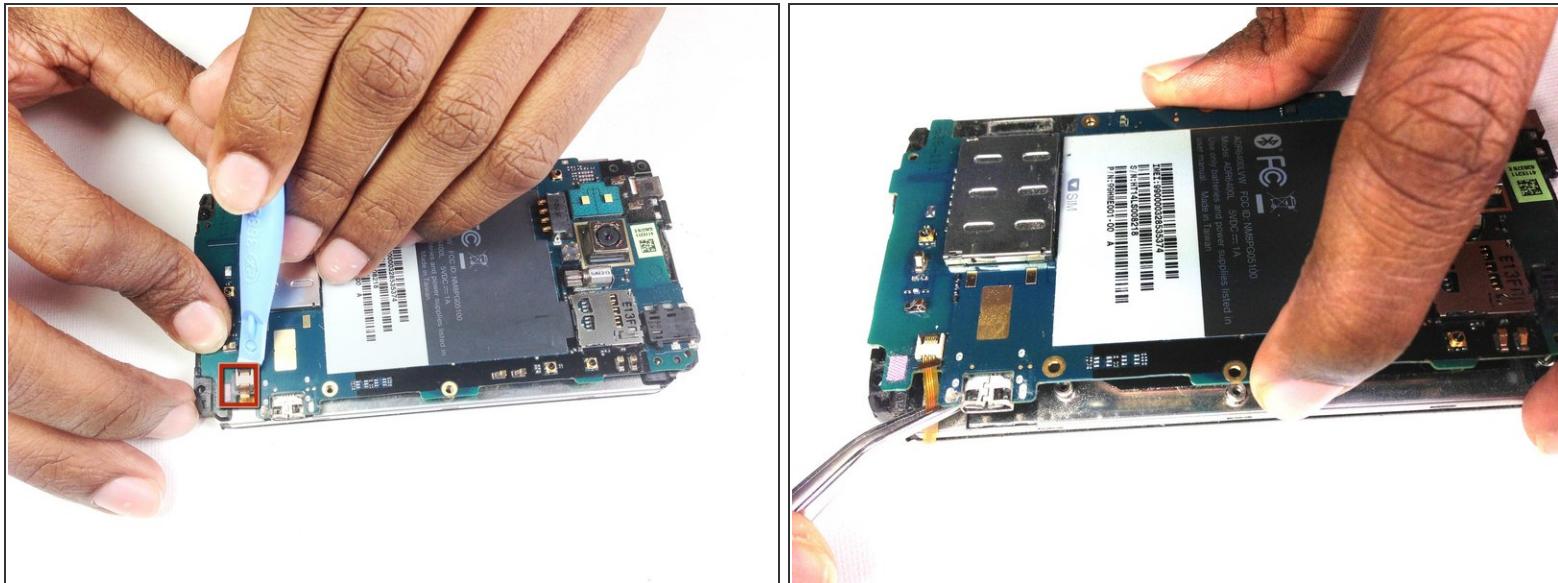
This document was generated on 2019-10-03 12:11:59 AM (MST).

Step 10



- 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 11 — LCD/Screen



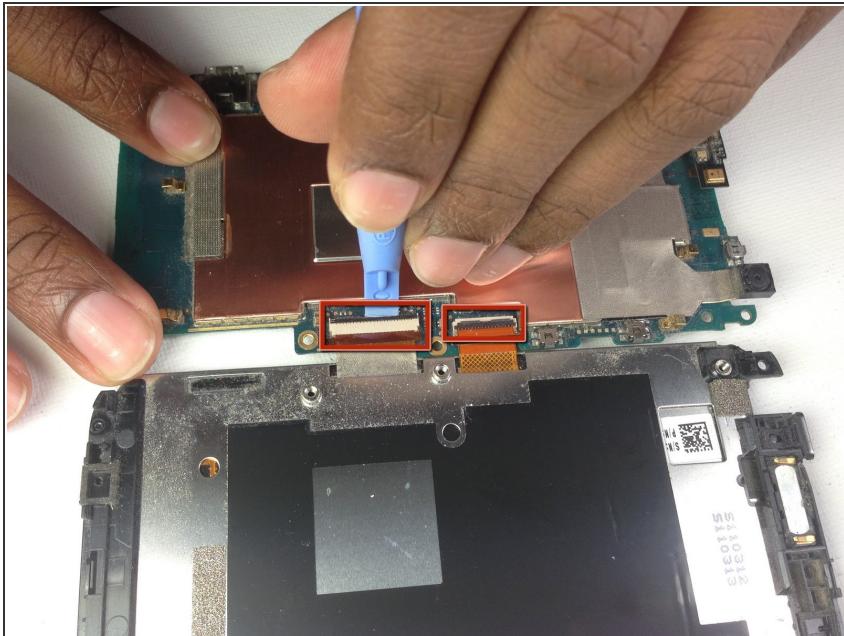
- Using the tip of an plastic opening tool flip up the tab holding the capacitive button ribbon cable.
- ⚠ Be careful opening these tabs as they are very easy to break.
- Use a pair of tweezers to pull the capacitive button cable out of its socket.

Step 12



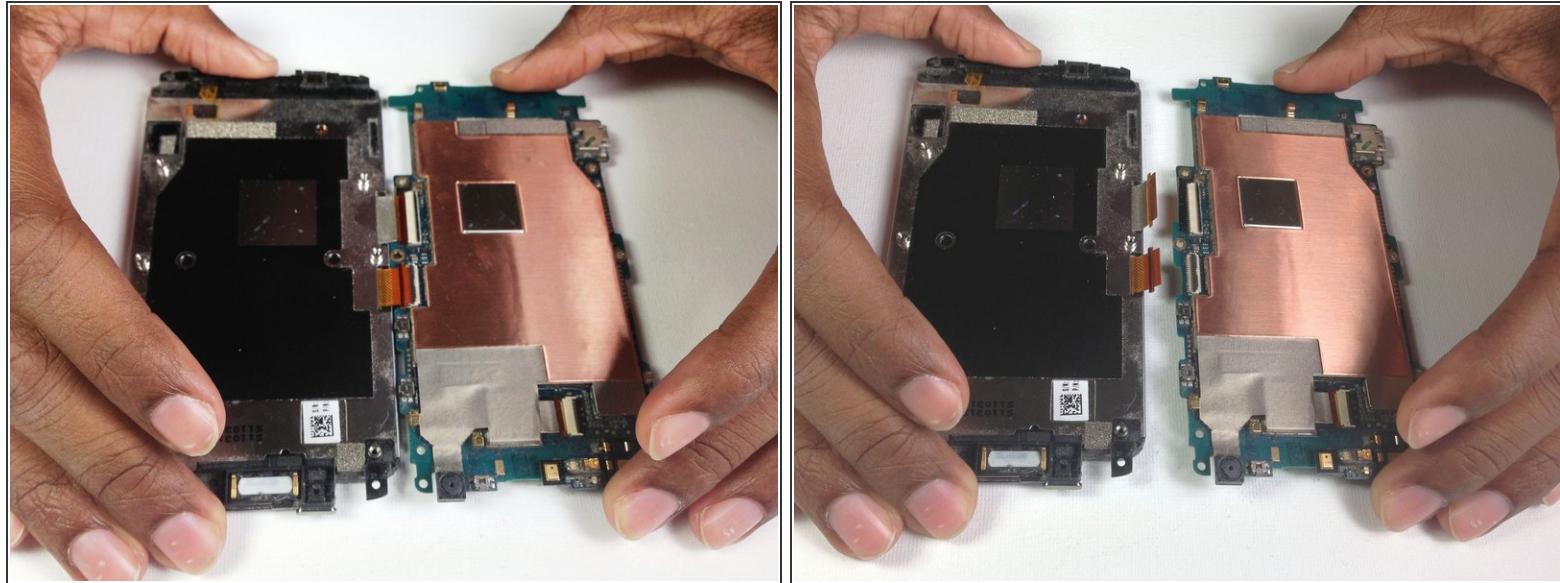
- Lifting from the side where the ribbon was disconnected, flip over the motherboard.
- Remove the black tape covering the tabs connecting the motherboard and LCD.

Step 13



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

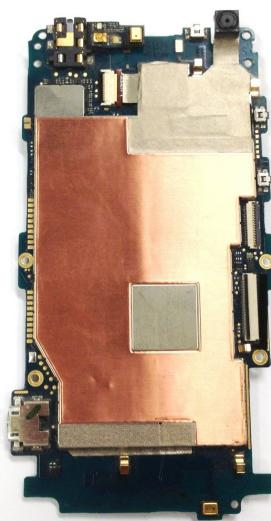
Step 14



- 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 15 — Motherboard



- The motherboard should now be completely disconnected

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