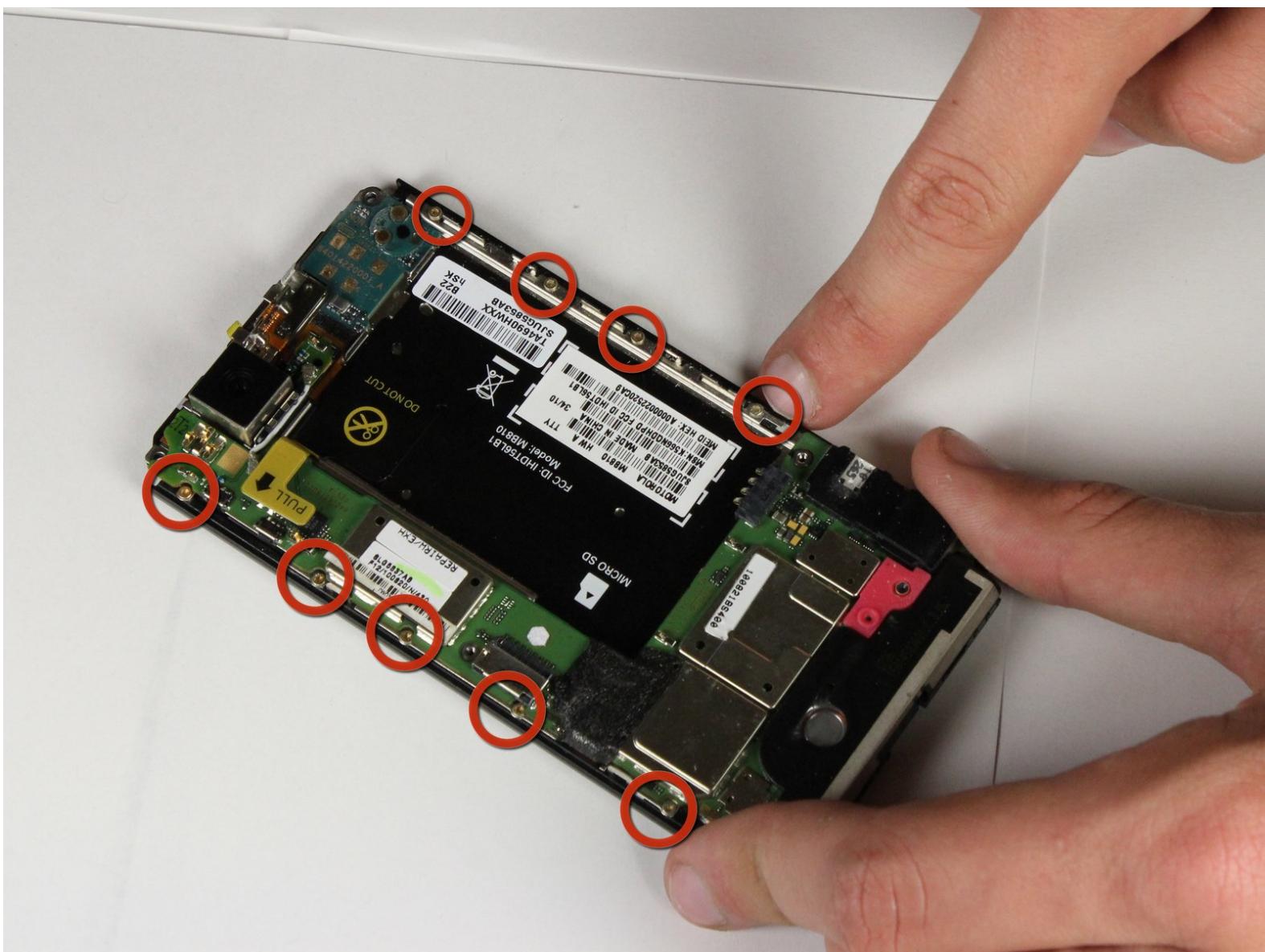




Motorola Droid X Motherboard Replacement

Sometimes a critical error will cause the motherboard on your Droid X to fail. Here is how to to replace it.

Written By: Sam Johnston



INTRODUCTION

If no other troubleshooting tips help, it may be time to install a new motherboard. This installation guide will walk the reader through the steps required in replacing the motherboard.

TOOLS:

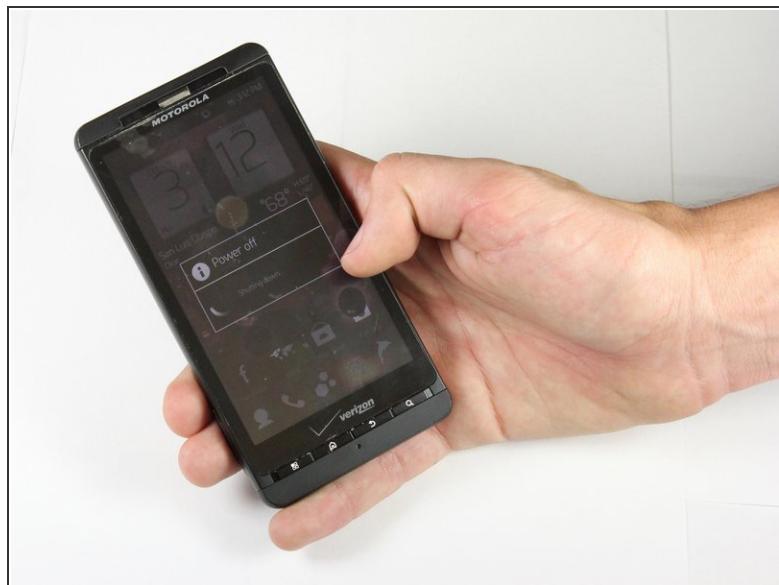
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)
- [T3 Torx Screwdriver](#) (1)

Step 1 — Battery



- Locate the power button at the top of the phone. Depress power button for 2 seconds until a menu appears.

Step 2



- Once the menu appears, select the "power off" option. Wait until the phone is completely off.

Step 3



- Place thumb on the back cover, and push down towards the bottom of the device. Once the cover releases, pull it away from the phone and set it aside.

Step 4



- Find the yellow pull tab located in the upper left corner. Pull the tab until the battery dislodges. Grab the battery by the raised edge, and remove it from the case.

Step 5



- The battery has been successfully removed.

Step 6 — Motorola Droid X Rear Housing



- Remove the micro SD card from its connector.

Step 7



- Locate the seam between the back case and the end cover on the top edge of the phone.
- Use the plastic opening tool to detach the two clips by wedging the tool into the right side of the seam and moving right to left. Once the cover comes off set it aside

Step 8



- Repeat step 2 on the bottom cover.

Step 9



- Use a T5 Torx screwdriver to remove the screws in each corner of the phone.

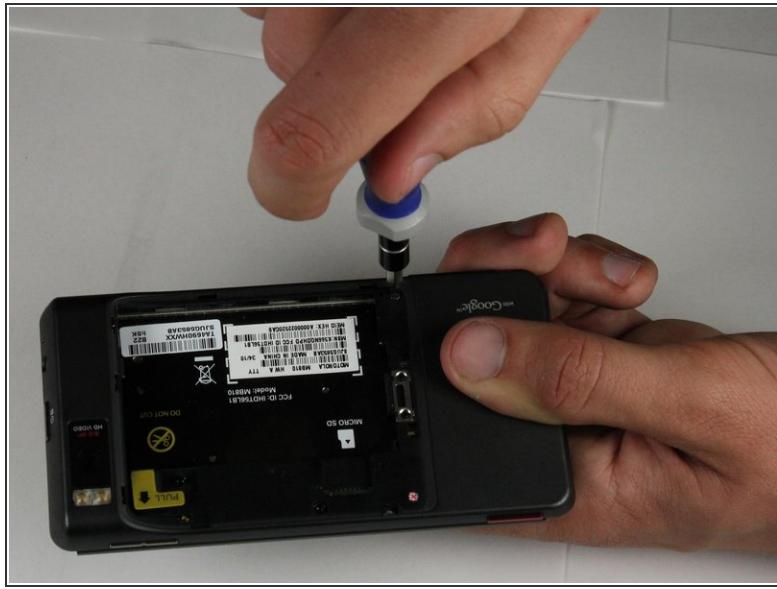
 The screws are very small so make sure not to lose them.

Step 10



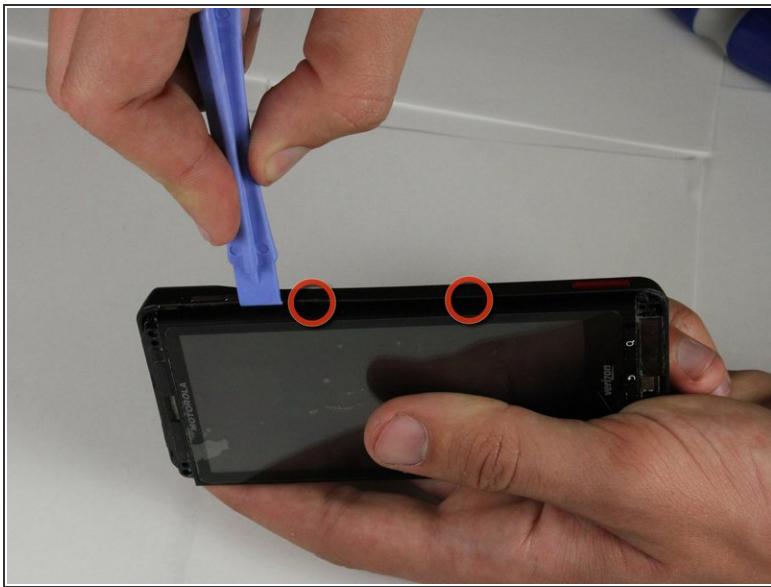
- Flip the phone over and locate the screw on the middle of the left side. Unscrew it using the T5 Torx screwdriver and set it aside.

Step 11



- Identify the screw located in the bottom right corner of the battery case. Remove the screw with a T5 (or in some cases T6) torx screwdriver and set it aside.

Step 12



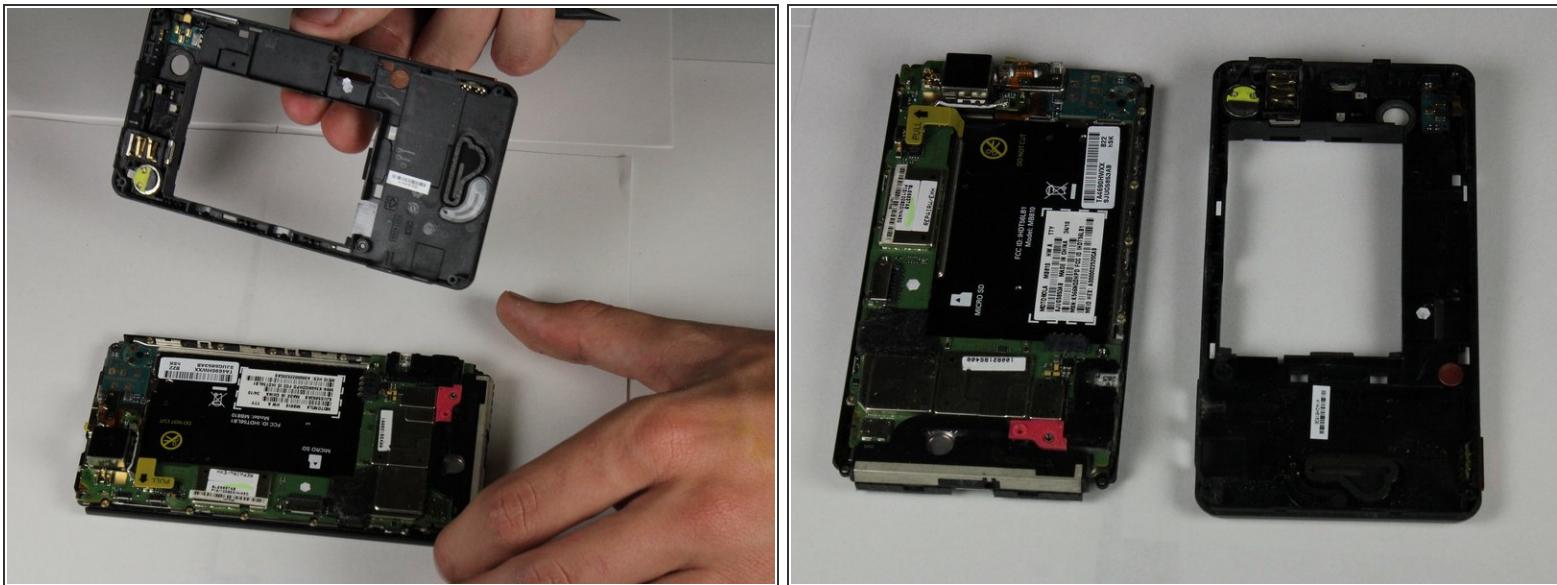
- Locate the seam along the right edge of the phone. Use the prying tool to disconnect the two clips along the edge.

Step 13



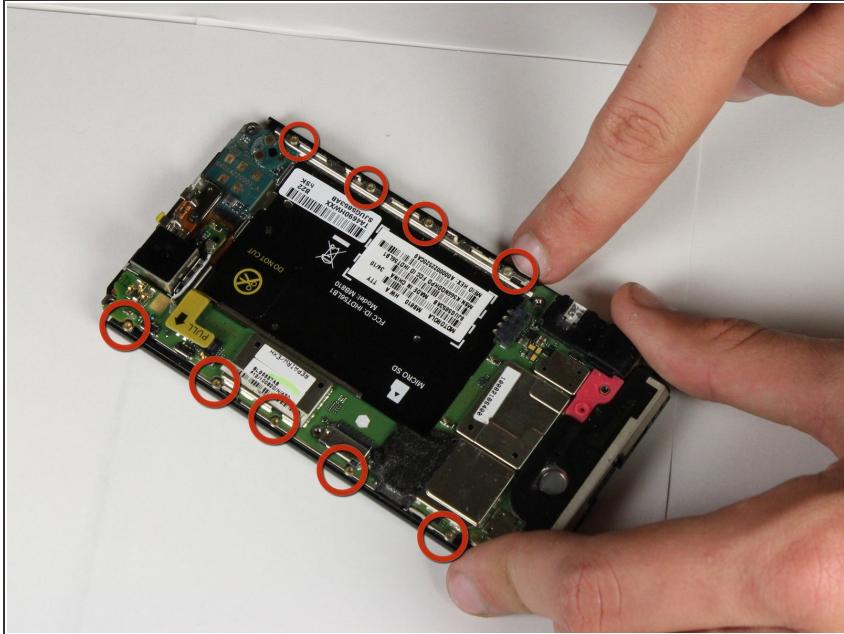
- Locate the two clips on the inside of the case and use the spudger tool to detach them from the case. To detach each clip, use the sharp end to press the small, black plastic in the center of the clip.

Step 14



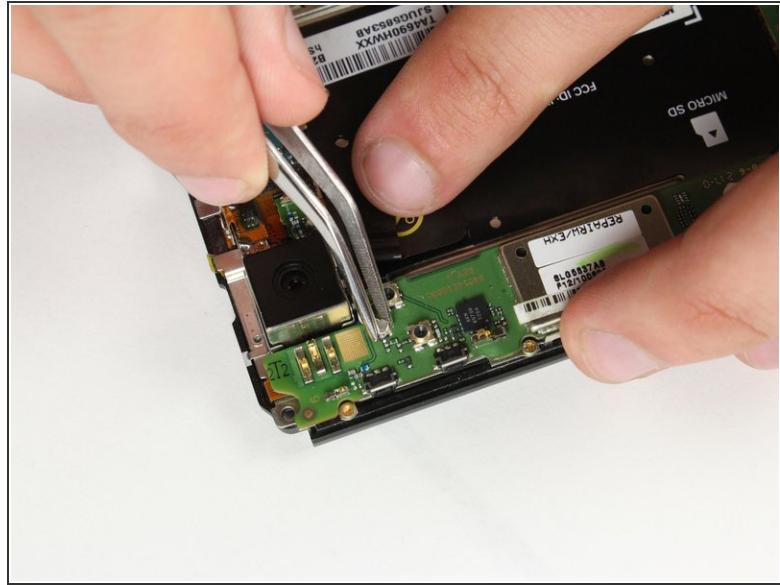
- After the clips are detached, remove the back case and set it aside.

Step 15 — Motherboard



- Remove the screws along both sides of the motherboard using a T3 Torx screwdriver. On some phones this may require a #1 Phillips Screw Driver.

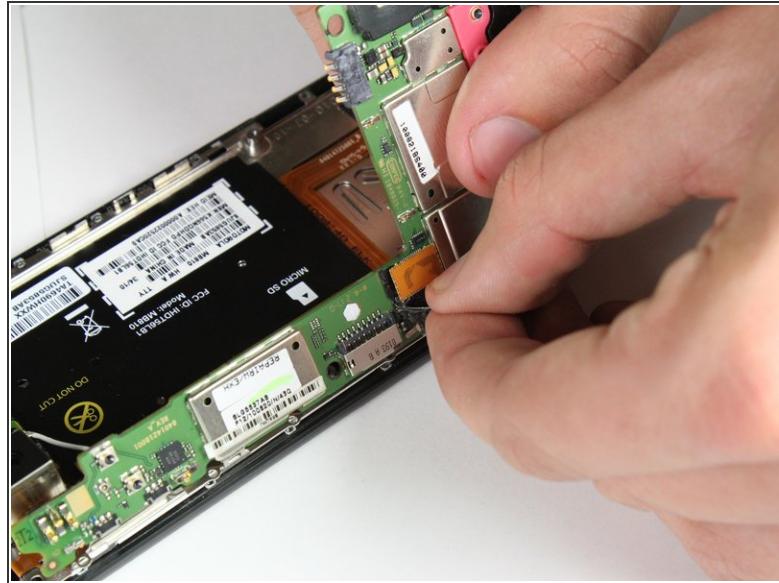
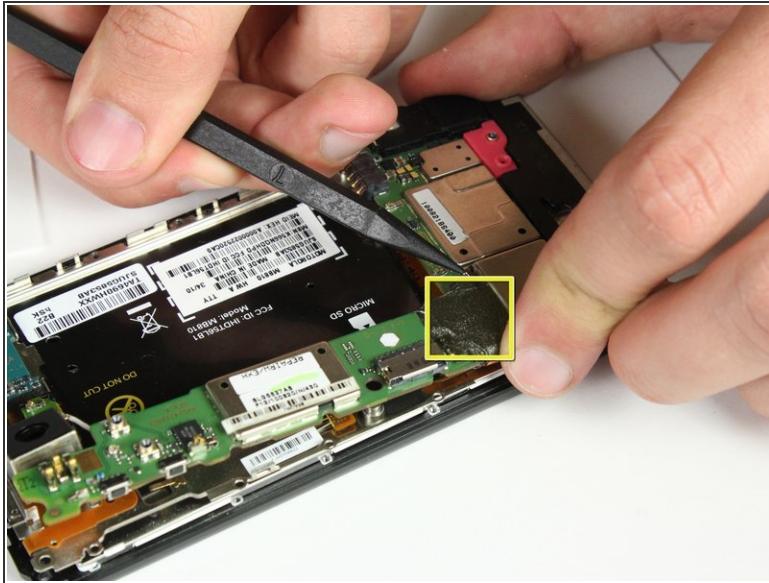
Step 16



- Carefully remove the white connecting wire from the motherboard using tweezers.

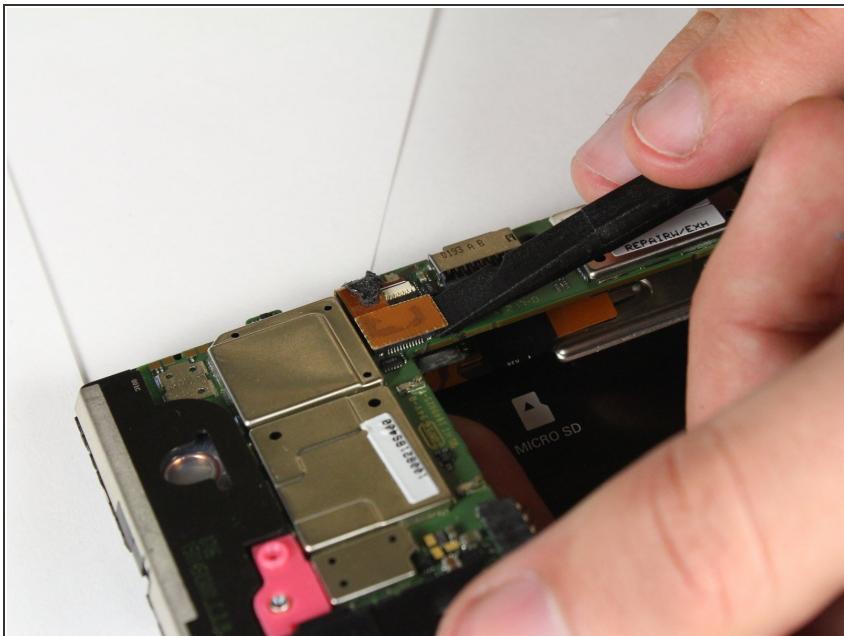
⚠ Use caution, this wire is delicate.

Step 17



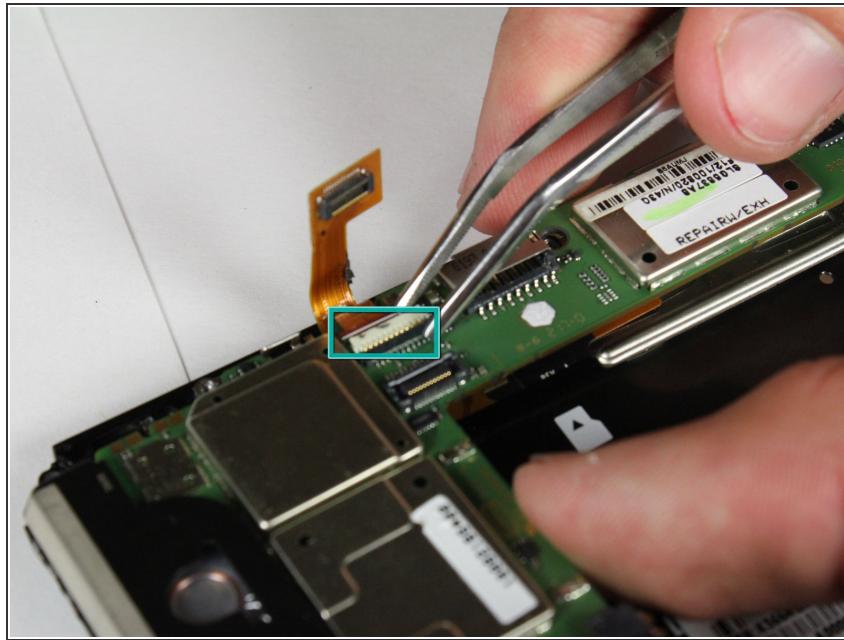
- Scrape away the electrical tape that covers the LCD and digitizer cable using the spudger tool or a fingernail.

Step 18



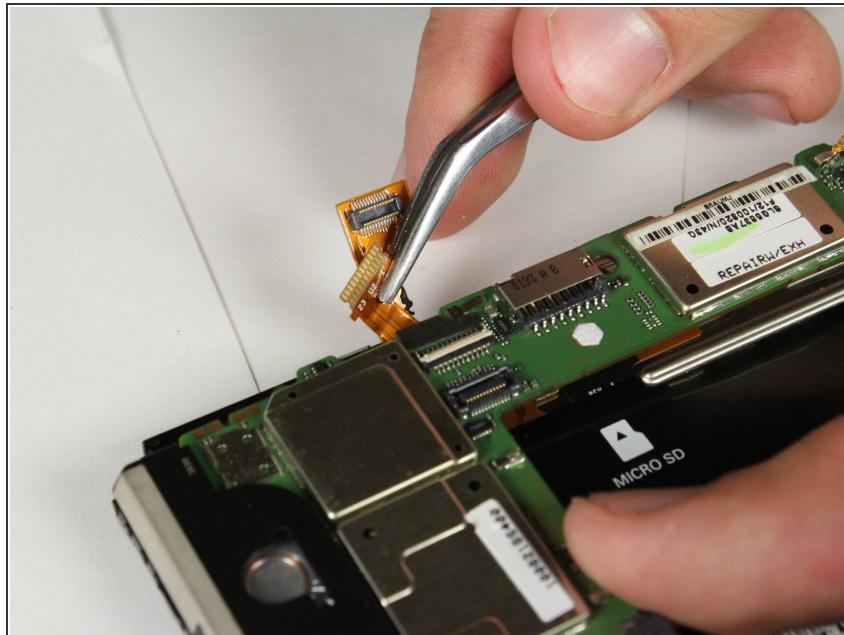
- Use the spudger tool to pop the Digitizer cable off of the motherboard.

Step 19



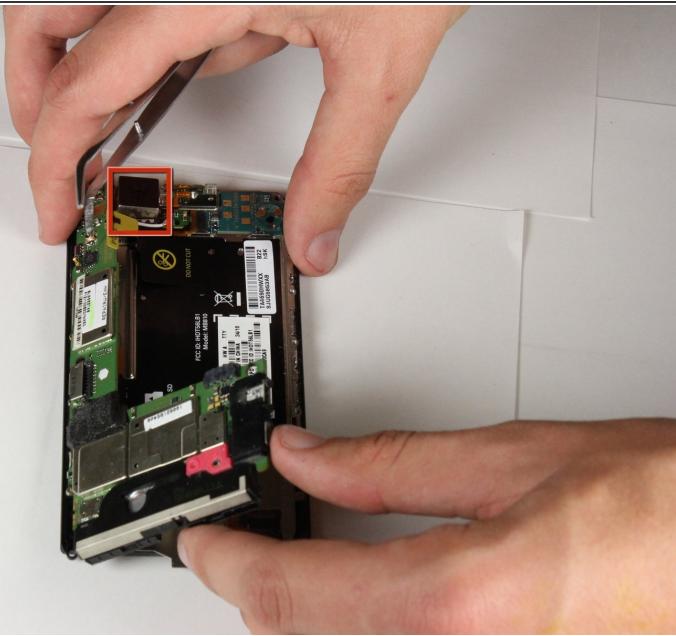
- Carefully flip the small white connector up and away from the motherboard.

Step 20



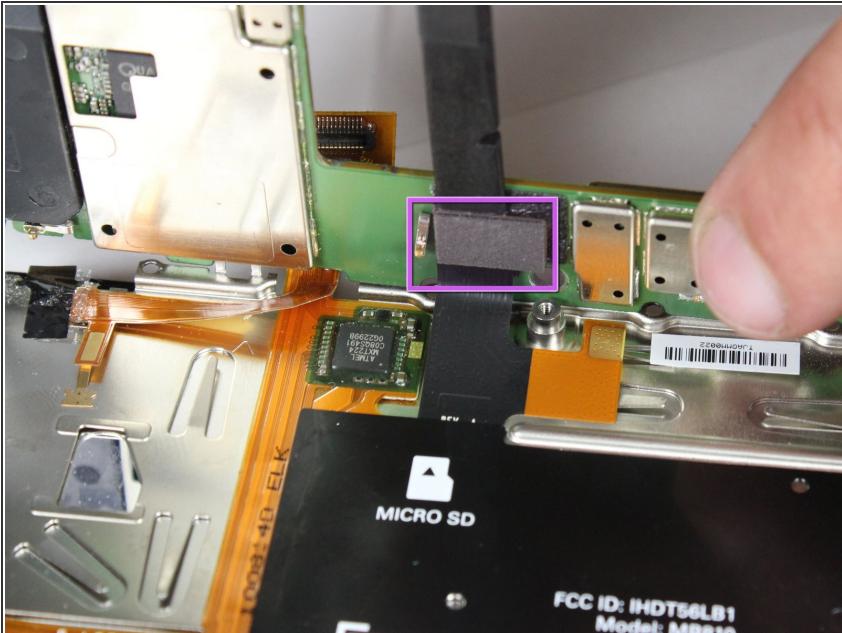
- Gently pull the flat gold cable out from the connector.

Step 21



- Carefully lift the motherboard and camera module up. **Do not remove it from the phone!**

Step 22



- Using the spudger tool, pop the black cable connector off of the motherboard.

Step 23



- It is safe to remove the motherboard from the phone.

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