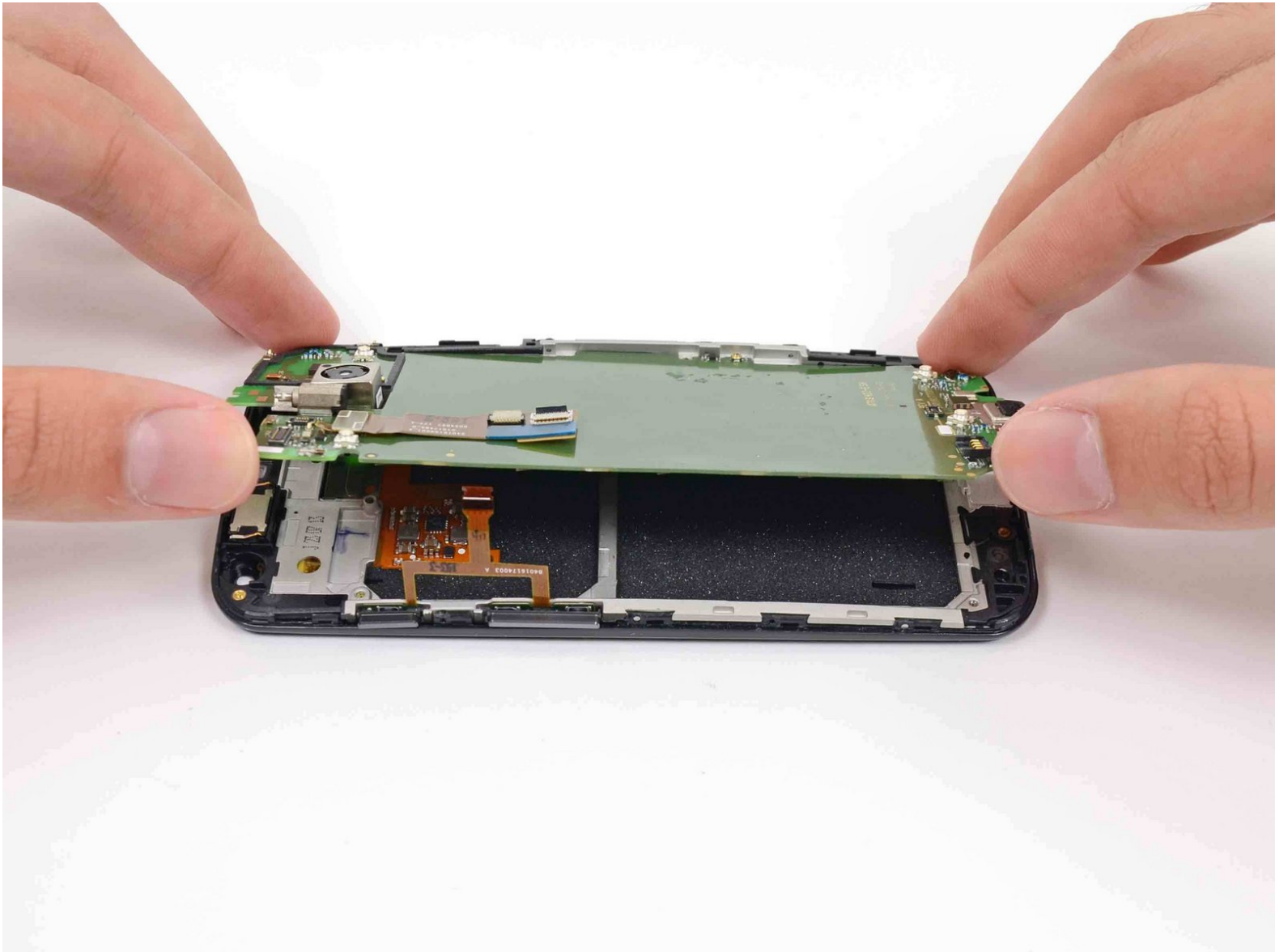




Motorola Moto X Motherboard Assembly Replacement

Prereq to remove the motherboard.

Written By: Sam Goldheart





TOOLS:

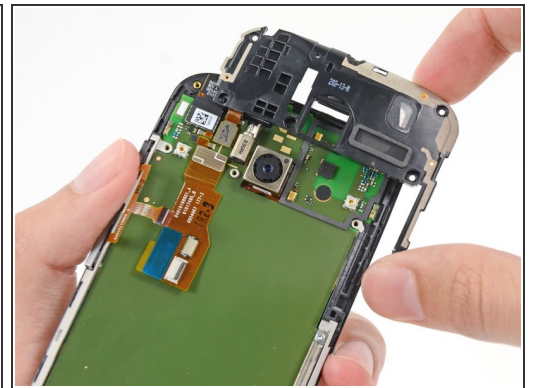
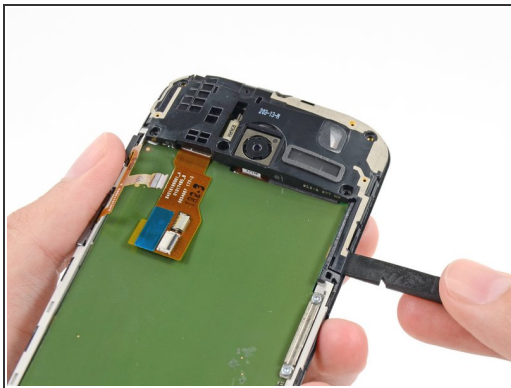
- [T3 Torx Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)

Step 1 — Motherboard Assembly



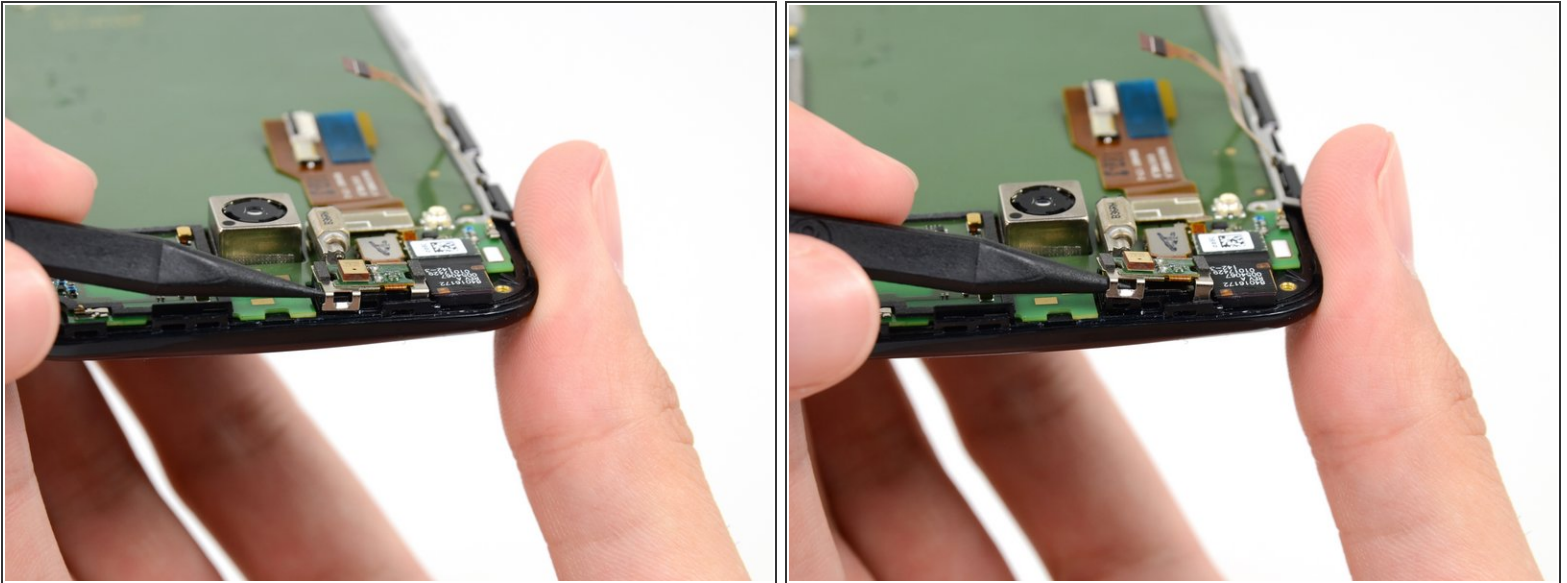
- Remove the five 3 mm T3 Torx screws from the headphone jack/speaker assembly.

Step 2



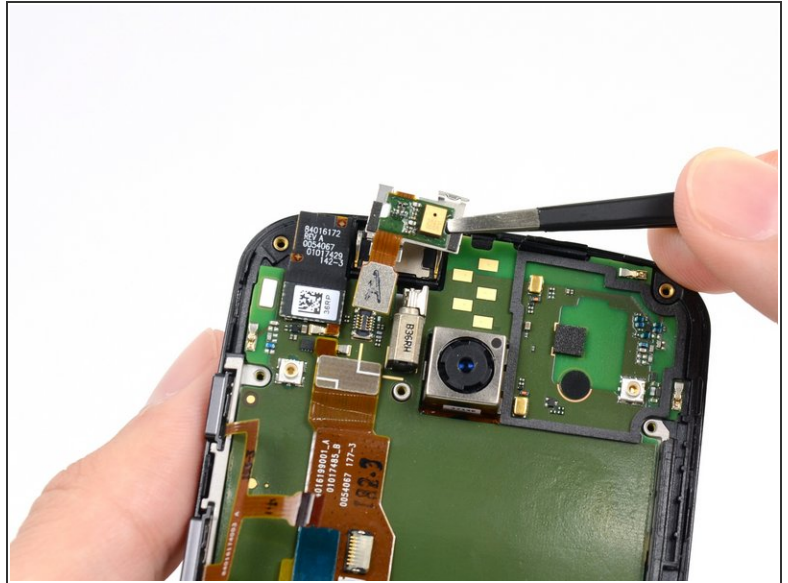
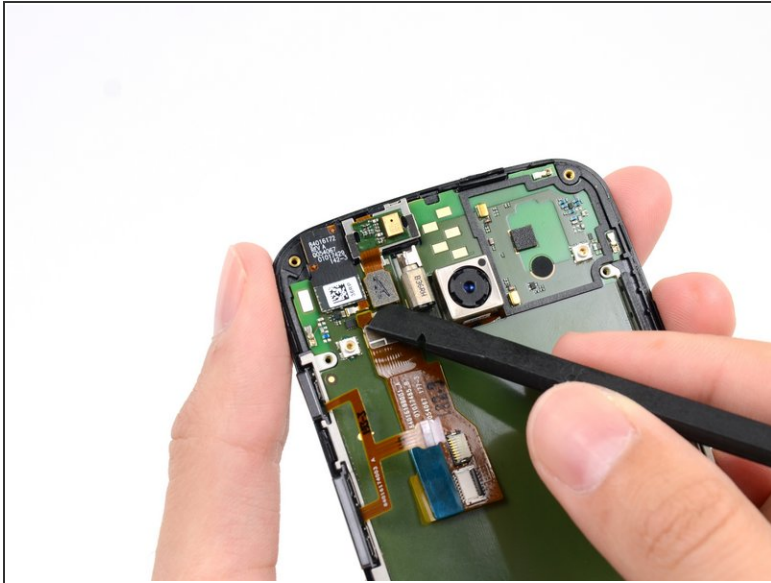
- Insert a spudger under the panhandle of the headphone jack/speaker assembly and pry it up from its recess.
- Remove the headphone jack/speaker assembly.

Step 3



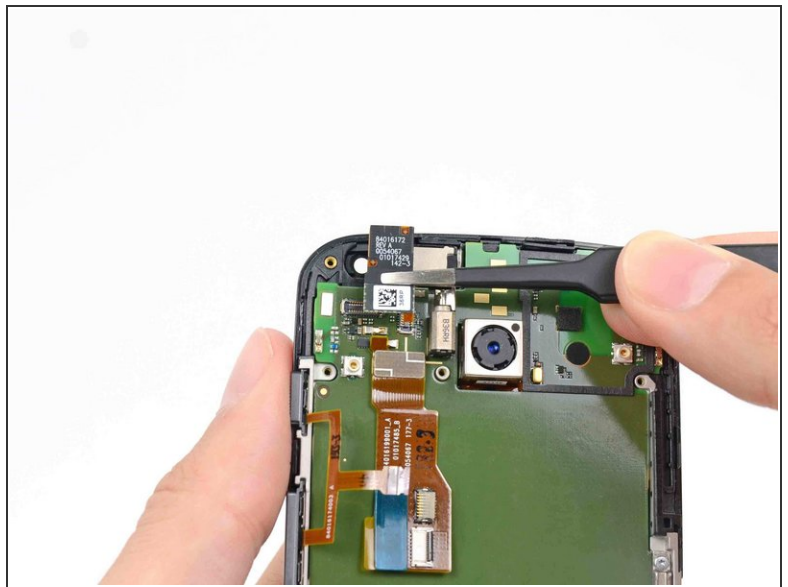
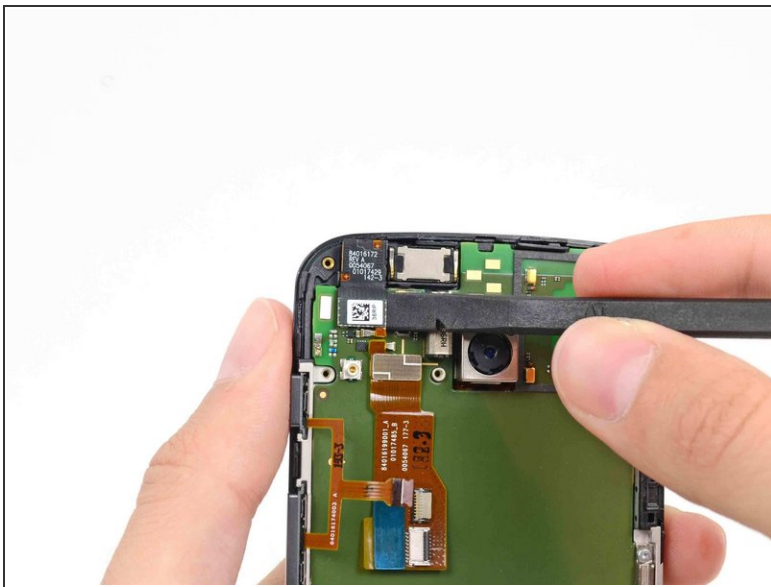
- Push the tip of a spudger under the microphone assembly clip to free it from the earpiece speaker.
- ⓘ If the assembly clip seems to be missing, check the speaker assembly that was removed from the previous step.

Step 4



- Use the flat end of a spudger to free the microphone assembly cable connector.
- Use tweezers to remove the microphone assembly.

Step 5



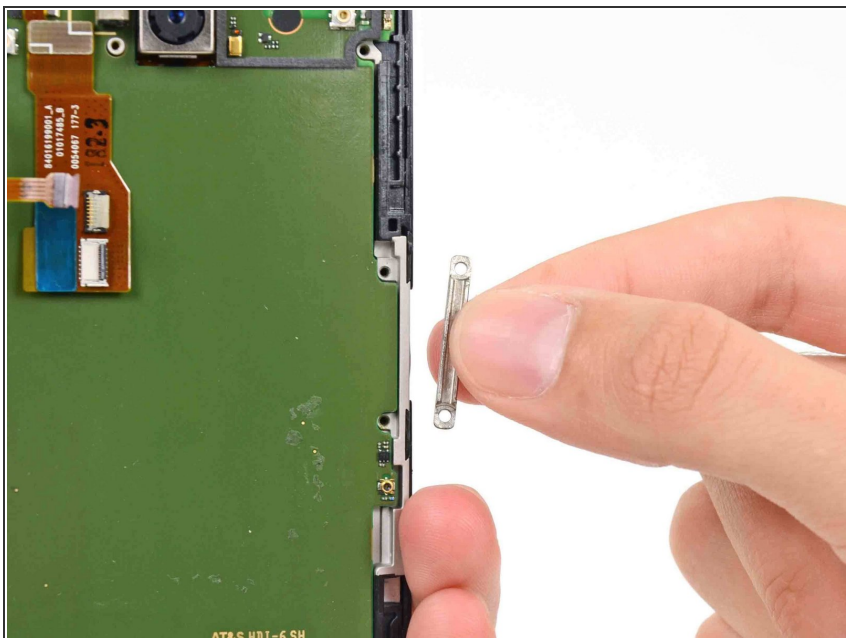
- Disconnect the front-facing camera cable connector.
- Remove the front-facing camera from its recess with a pair of tweezers.

Step 6



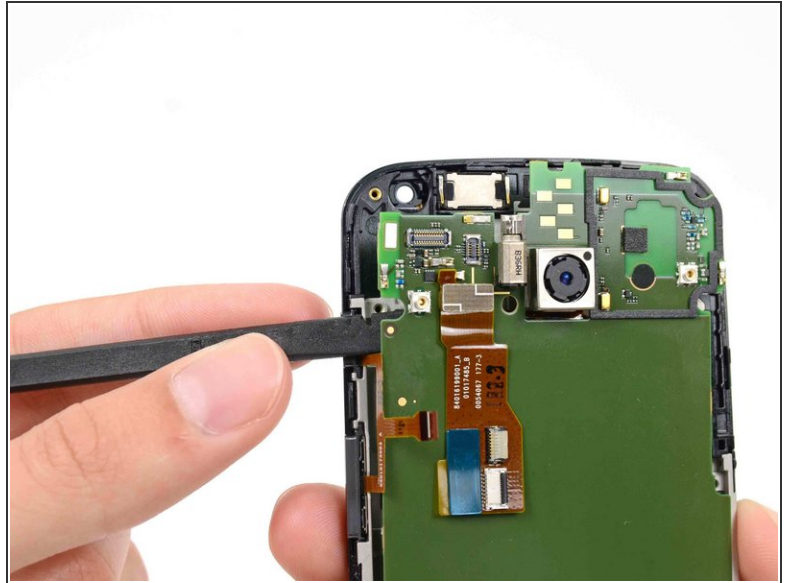
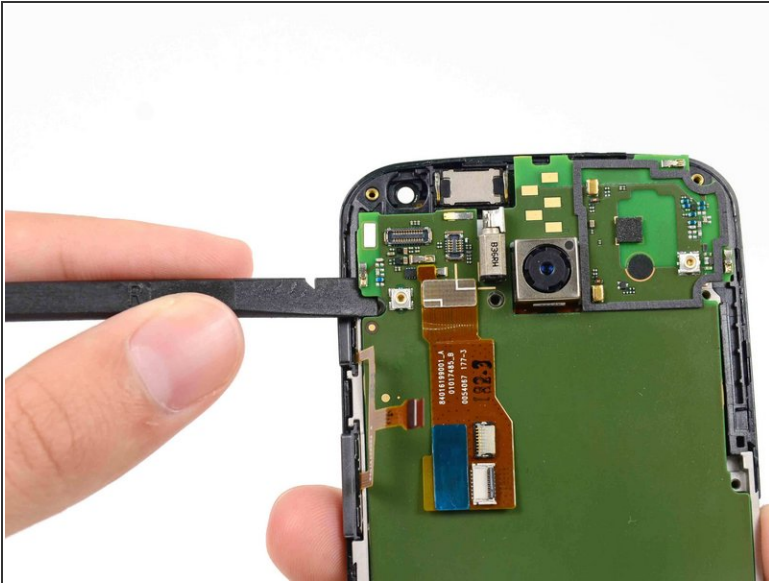
- Remove the final two 3 mm T3 Torx screws from the SIM slot bracket.

Step 7



- Remove the SIM slot bracket from the motherboard.

Step 8



- Insert the flat end of a spudger under the motherboard above the button assembly cable, and pry it out of the phone.

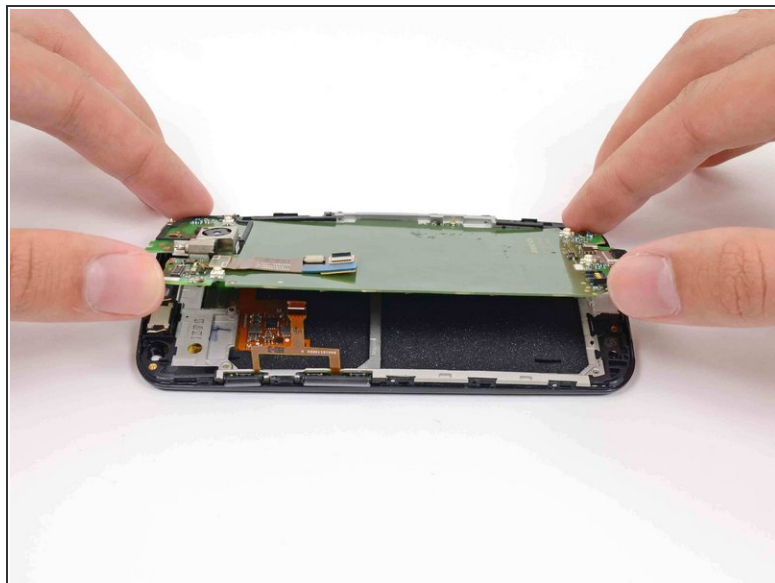
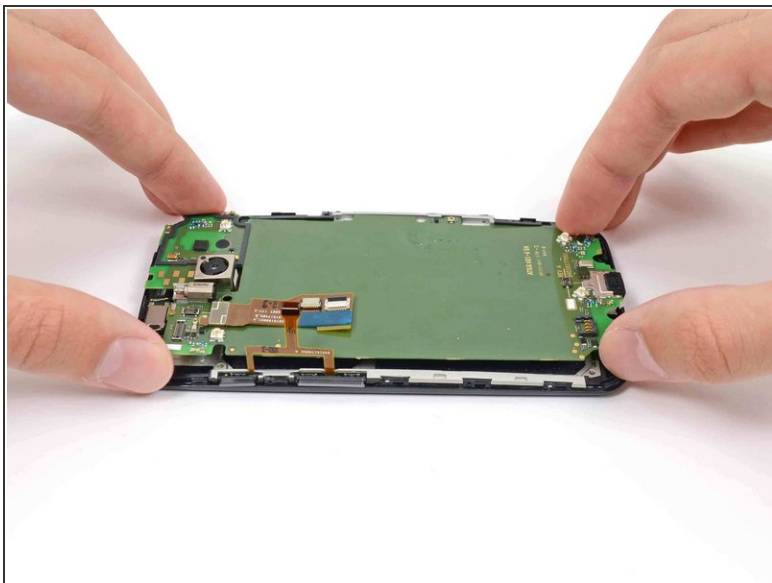


Be careful not to snag any cables.



The buttons may pop out of their recesses; take care not to lose them.

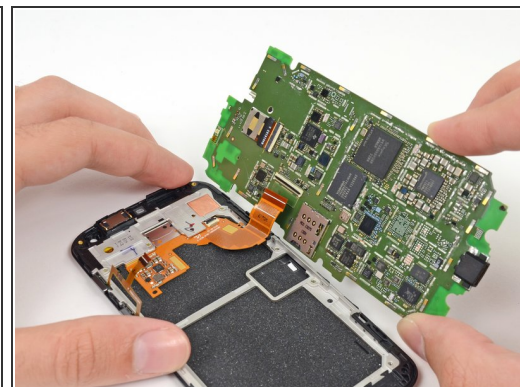
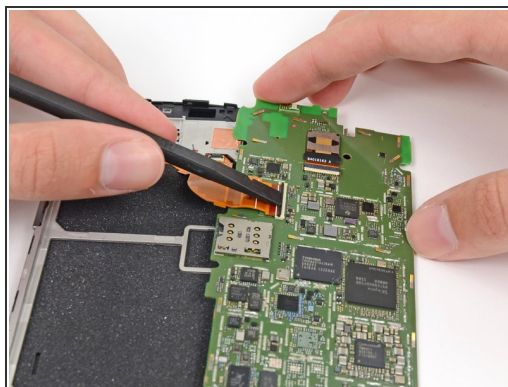
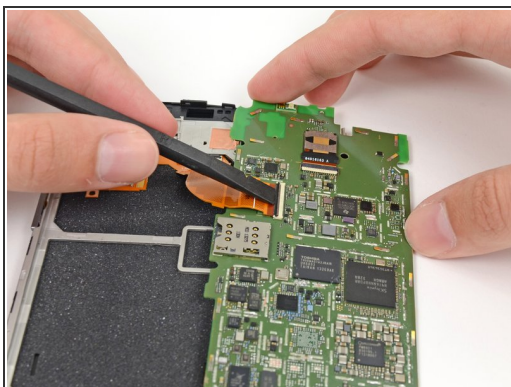
Step 9



- Gently lift the motherboard out of the phone, rotating it from the SIM slot edge of the phone.

⚠ Do **not** attempt to separate the motherboard entirely; it is still connected to the display by the display cable.

Step 10



- ⓘ Lay the motherboard down to allow access to the display cable connector.
- Use the flat end of a spudger to flip the retaining tab on the display cable ZIF connector.
- Carefully pull the display cable out of its connector as you remove the motherboard from the display assembly.

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