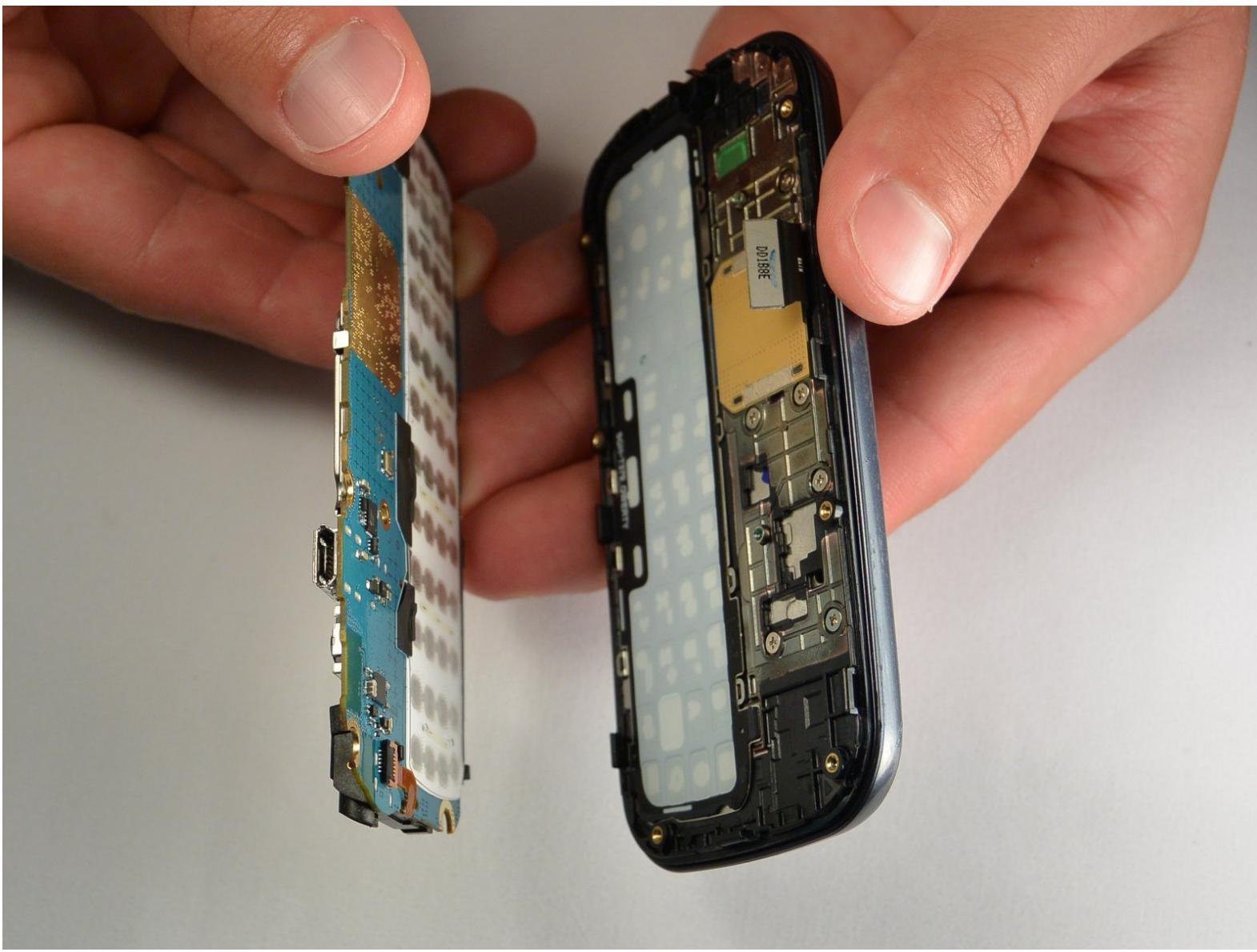




Samsung Gravity TXT Motherboard Replacement

Use this guide to replace the motherboard in case one of the circuit's components is faulty such as the USB charging connector.

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INTRODUCTION

It is easier to replace the entire phone's motherboard than replacing one component of a complicated circuit such as a USB port, back camera or Sim Card slot.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Jimmy](#) (1)

Step 1 — Battery



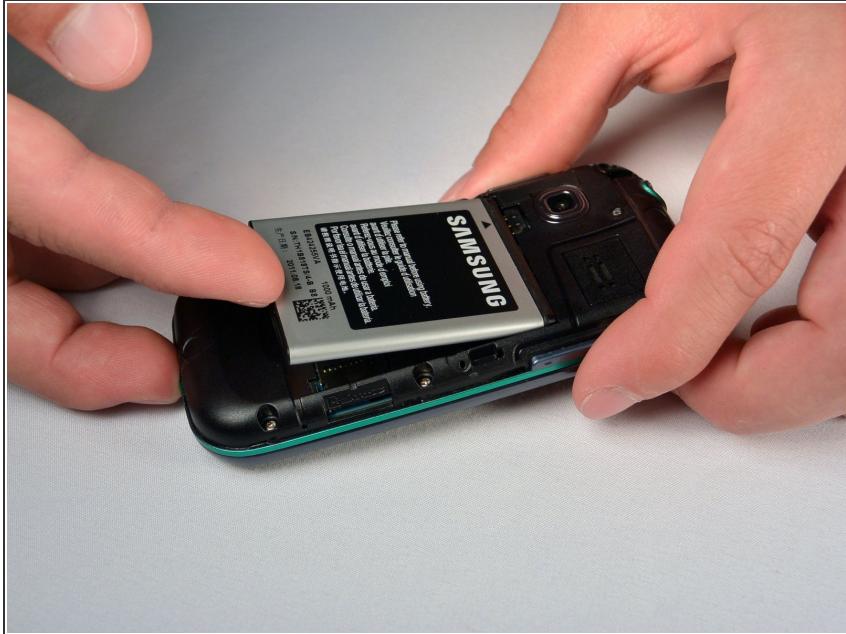
- Pry the back cover off with a plastic opening tool, or your fingernail, in the indentation on the bottom of the device.

Step 2



- Lift the back cover away from the main body of the phone.

Step 3



- Insert your finger in the groove below the battery.
- Press the battery toward the audio jack while lifting upward and away from the phone.

 Remember to place the battery back with the copper contacts on the battery lined up with those on the phone.

Step 4 — SIM Card



- Using your finger, push the SIM Card down and slide out of the slot.
-  Slide the SIM card out enough to grab it firmly.
- Remove the SIM card away from the phone.

 Follow the visual on the bottom of the SIM card slot to put the SIM card back in the correct orientation.

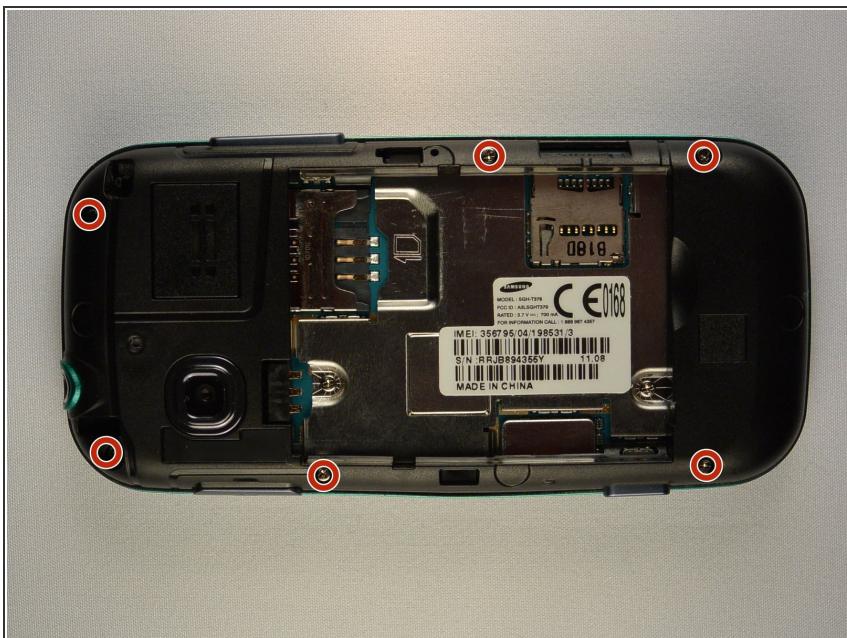
 When sliding the SIM Card back in the slot, make sure the card goes all the way in the slot until it hits the stopper.

Step 5 — microSD Card



- Using your fingernail, push the microSD card slightly deeper into the slot, until you hear a click.
- The removal of the battery is not required for this operation; therefore, step 3 can be skipped if just replacing the microSD card.
- After the click, release the microSD card to allow it to pop out.
- Remove the microSD card from its slot
- When placing the microSD card back in the phone, make sure the card clicks in place.

Step 6 — Plastic Back Frame



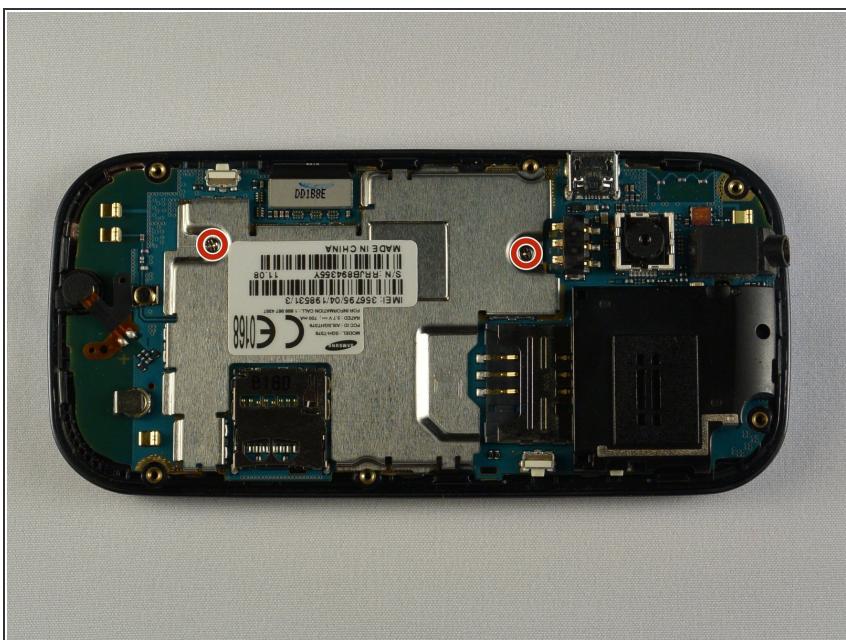
- Remove the six 3 mm #00 Phillips screws in the plastic back frame.

Step 7



- Slide the keyboard out.
- Use a Jimmy to separate a small segment of the plastic back frame from rest of the phone.
 - Starting at the bottom of the keyboard is recommended.
- Slide an opening pick around the rest of the seam, starting at the gap just created with the Jimmy.
 - You will have to slide the keyboard back in to separate the back frame from the top have of the keyboard slider.
- Lift the plastic back frame away.

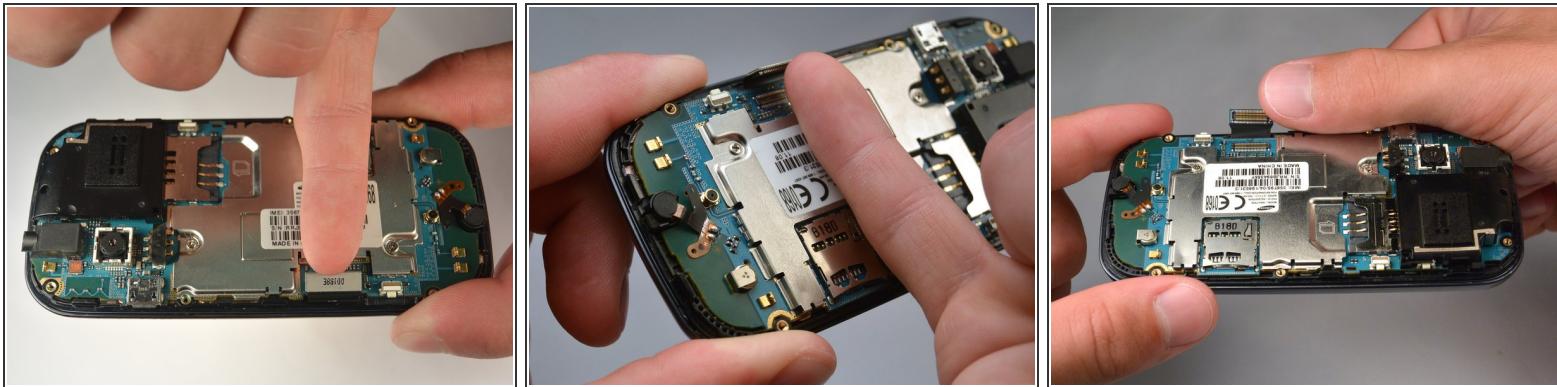
Step 8 — Motherboard



- Remove the two 3 mm Phillips #00 screws securing the motherboard to the front panel.

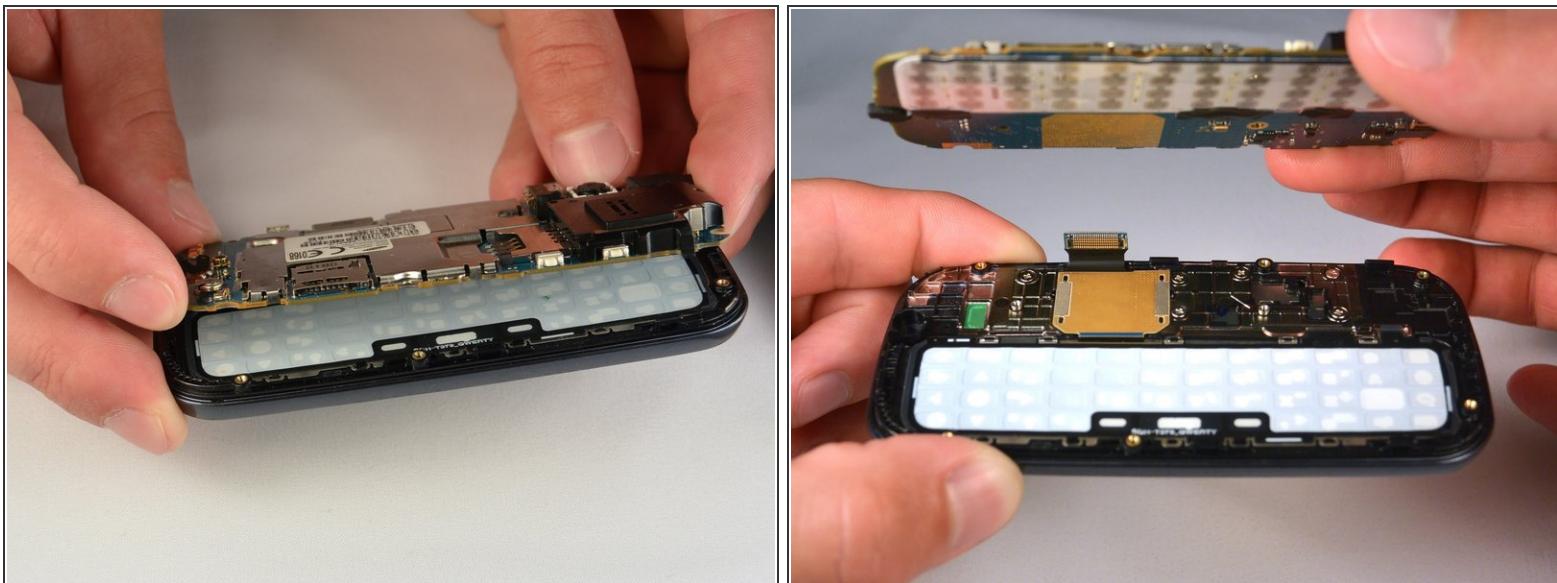
⚠ Do not try to pull the motherboard out just yet. The display data cable needs to be disconnected from the motherboard first.

Step 9



- Use your finger nail to disconnect the display data cable from the motherboard.

Step 10



- Carefully lift the main motherboard assembly away from the front panel.

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