



Samsung Instinct Motherboard Replacement

This guide shows how to remove the motherboard so that a replacement motherboard can be installed.

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INTRODUCTION

This guide shows all the steps leading up to, and including, the removal of the motherboard.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)

Step 1 — Battery



- Apply pressure to the back cover and slide it forward towards the camera.
- Lift the back cover off the phone.

Step 2



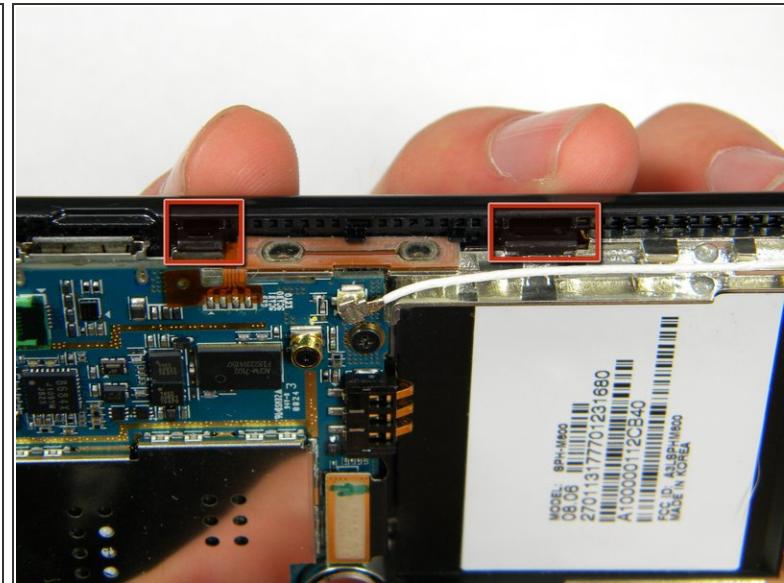
- Holding the phone firmly, use the notches to grip and lift up the battery.

Step 3 — Back Case



- Remove the four 4.45mm screws at the corners of the phone.

Step 4



- Use the plastic opening tool to unhinge the locks around the edges of the phone.

(i) Do not worry about the inner components of the phone; they are not connected to this case.

Step 5



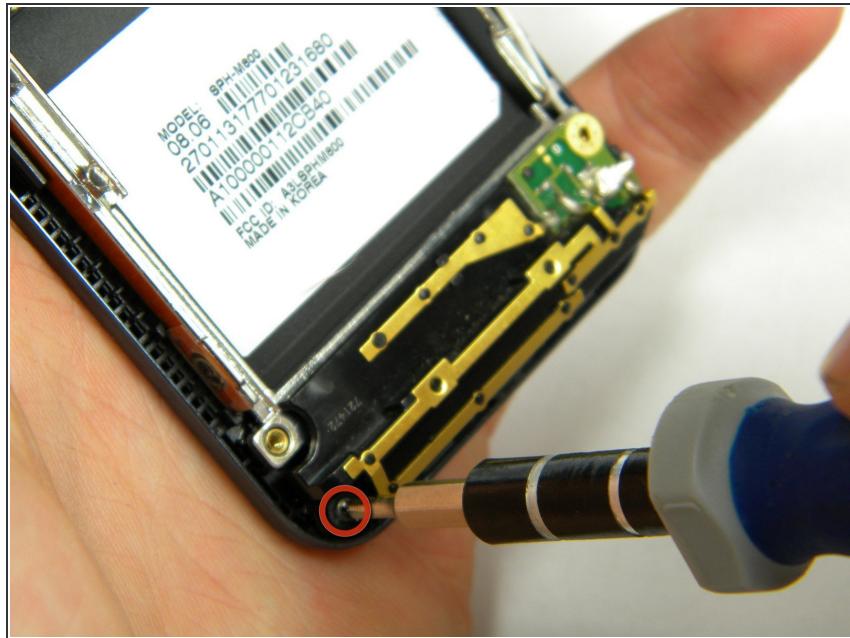
- Lift the casing off of the phone.

Step 6 — Antenna



- With the screws removed, locate the antenna.

Step 7



- Using a Phillips head screwdriver, remove the 4.50mm screw holding the antenna in place.

Step 8



- Using the plastic opener tool, squeeze gently on the antenna cable connector and lift to remove the connector from its position.

Step 9



- Gently lift up on the antenna and remove it from the back of the device.

Step 10 — Front Case



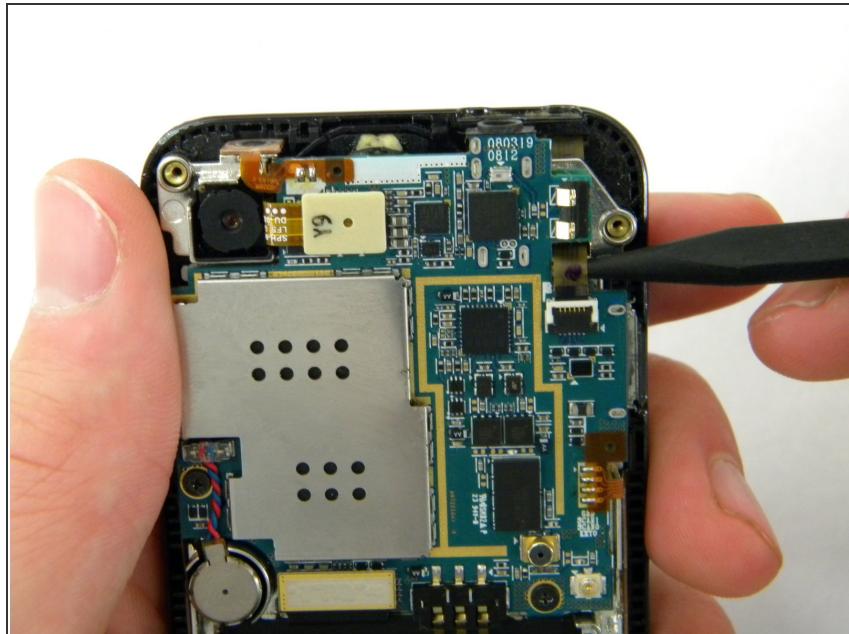
- Remove the two 3.50mm screws connecting the motherboard to the case.

Step 11



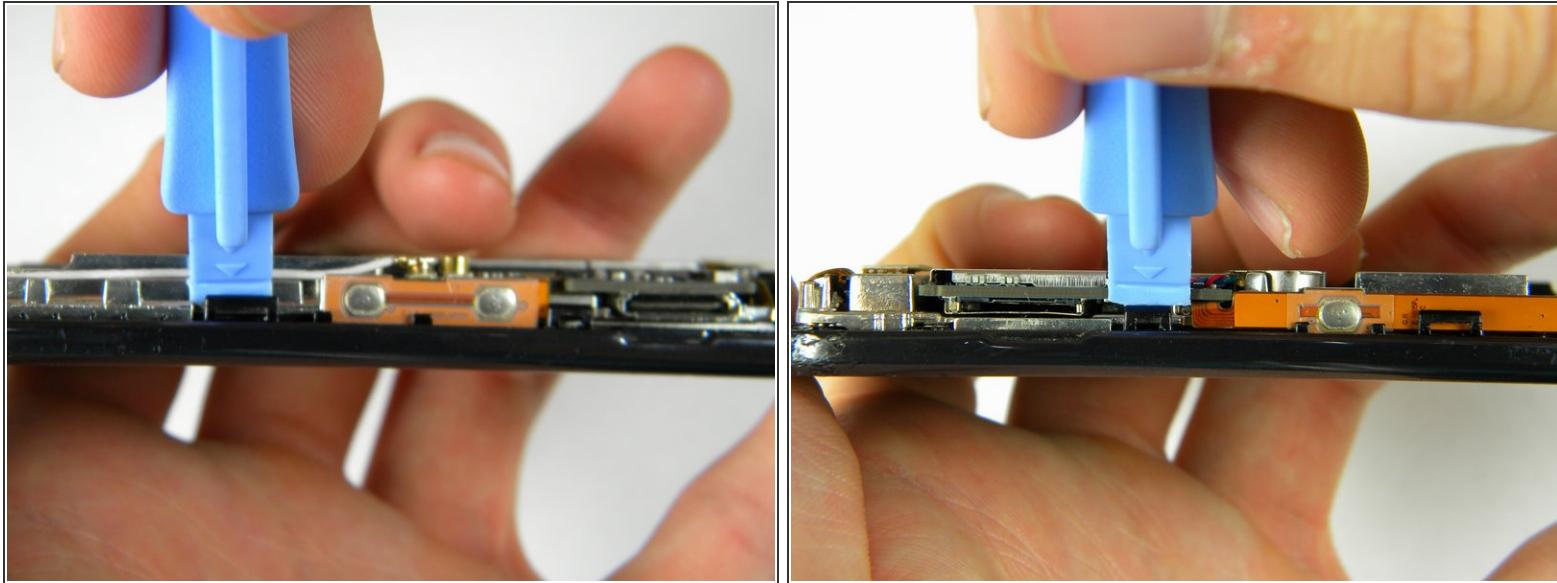
- Use the plastic opener tool to detach the three ribbons on the motherboard.

Step 12



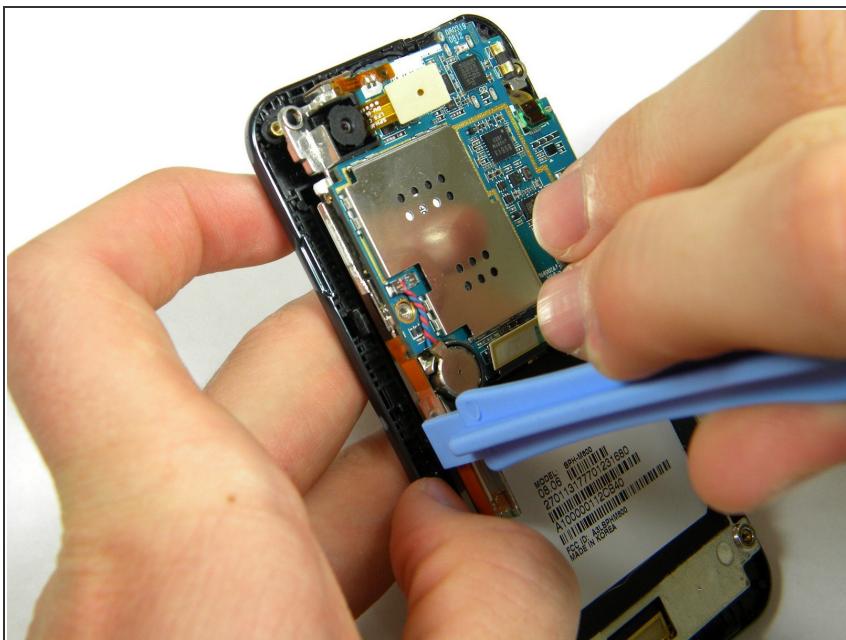
- Lift out the top right ribbon from its slot on the motherboard.

Step 13



- Use the plastic opener tool to unhinge the the locks on the side of the motherboard connecting it to the front casing.

Step 14



- Lift the motherboard away from the front casing.

Step 15



- After removing lifting up on the motherboard, the front casing and center frame should be separated as shown.

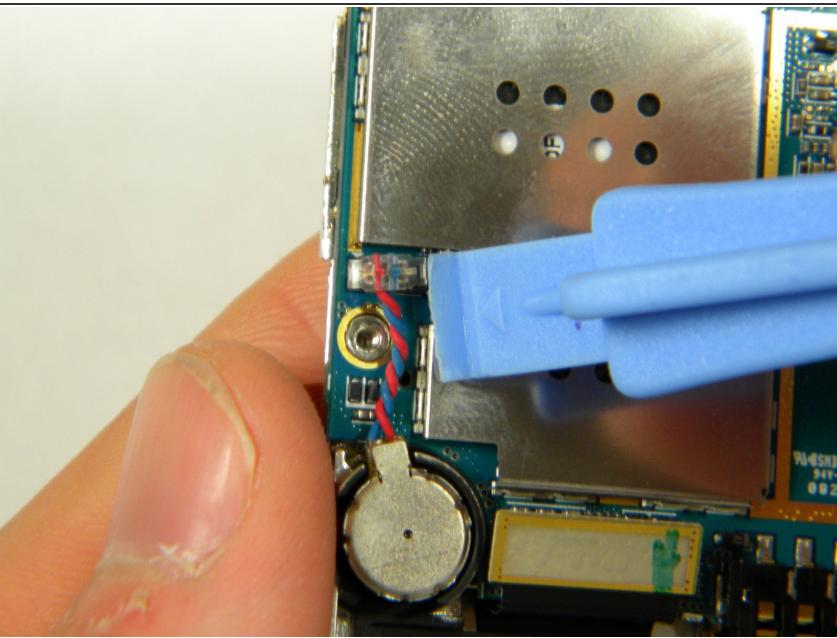
Step 16 — Motherboard



- Using the plastic opener tool, gently pry away the side strip control buttons from the metal center frame.

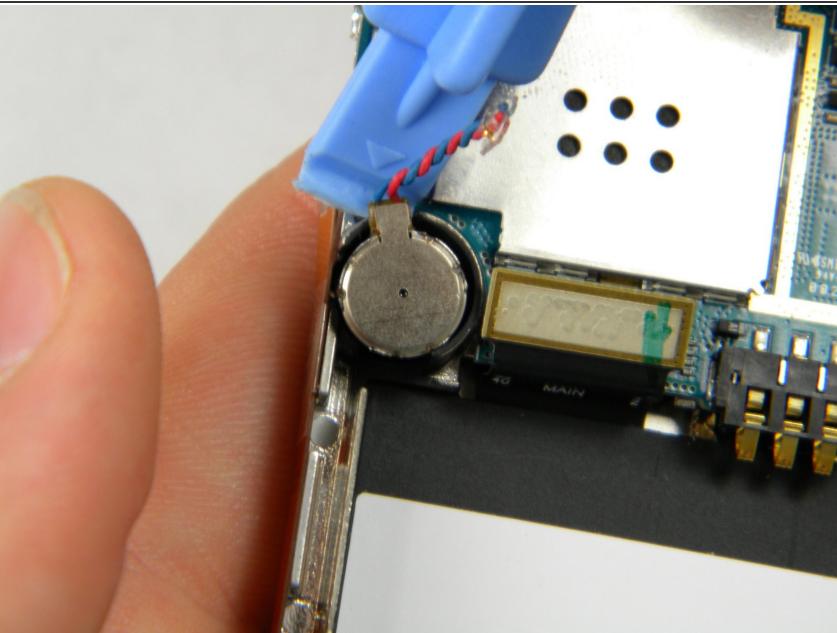
(i) There are three strips total: one on the right, left, and top of the phone.

Step 17



- Using the plastic opener tool, pry the speaker connector away from the back of the motherboard.

Step 18

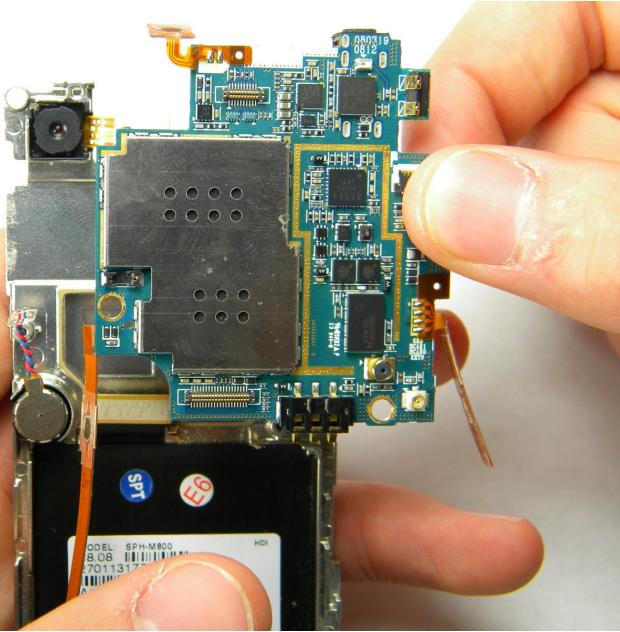


- Using the plastic opener tool, remove the speaker from its setting.

(i) Pry where the wire enters the speaker.

(i) The speaker has adhesive on the bottom, thus removing it will require a bit of wiggling.

Step 19



- Gently lift the motherboard from the center frame.

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