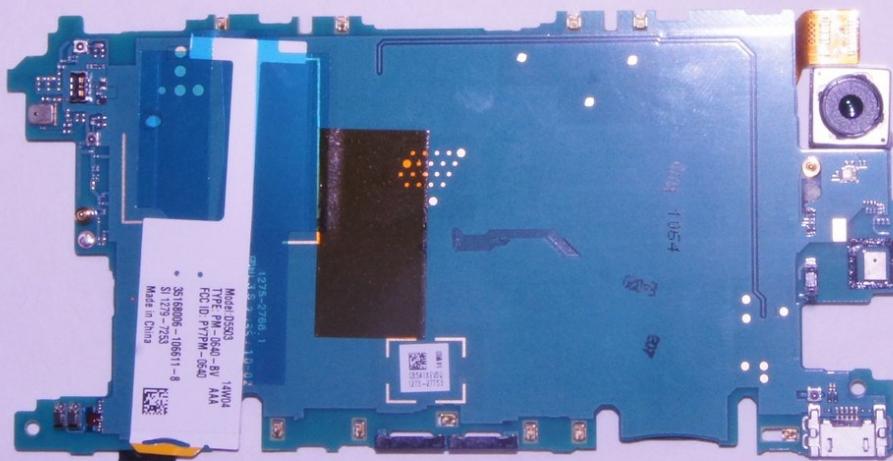




Sony Xperia Z1 Compact Motherboard Replacement

Replace the motherboard in your phone to be able to turn it on and return it to functioning condition.

Written By: Daniel Benjamin



INTRODUCTION

This guide will teach you how to replace the motherboard on your Sony Xperia Z1 Compact. If there are issues turning your phone on, follow the troubleshooting guide and if nothing else listed above this helps, then it may solve the problem.

TOOLS:

- iFixit Opening Tools (1)
- JIS #00 Screwdriver (1)
- Phillips #0 Screwdriver (1)
- Spudger (1)
- Suction Handle (1)
- Heat Gun (1)

PARTS:

- Sony Xperia Z1 Compact Back Cover Adhesive (1)
- Sony Xperia Z1 Compact Back Cover (1)

Step 1 — Back Cover



- Heat along the edges of the back cover using a heat gun to soften the glue.

Step 2



- Attach the small suction cup to the back cover near the bottom of the phone.
- Pull up on the suction cup and insert the plastic opening tool in between the back cover and the rest of the phone.

Step 3



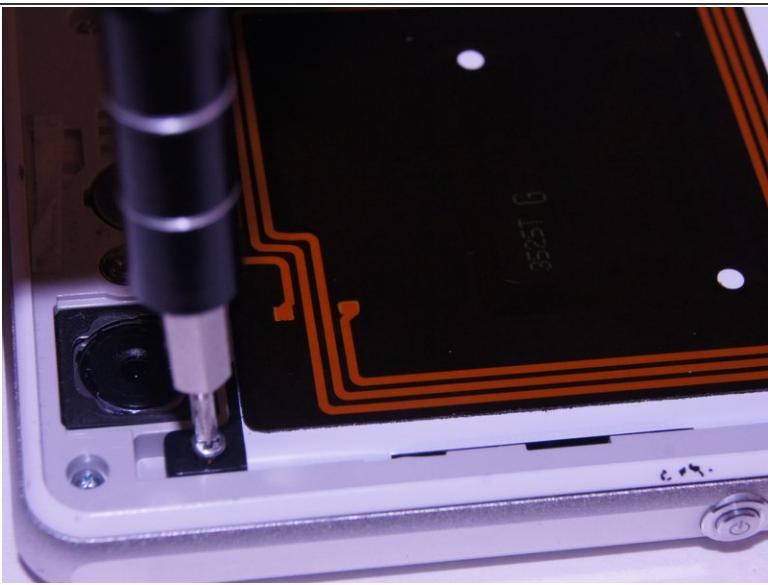
- Move the spudger around the edge of the back cover to separate it from the black adhesive.
- Separating the back cover from the rest of the phone ruins the adhesive which makes it no longer waterproof.

Step 4 — Battery



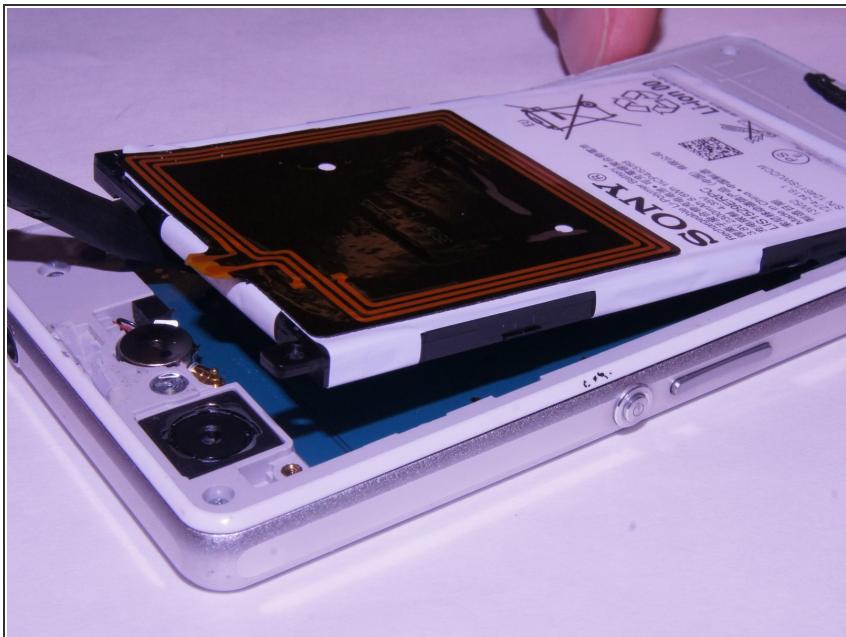
- Carefully disconnect the battery from the logic board by using the plastic spudger as a lever.

Step 5



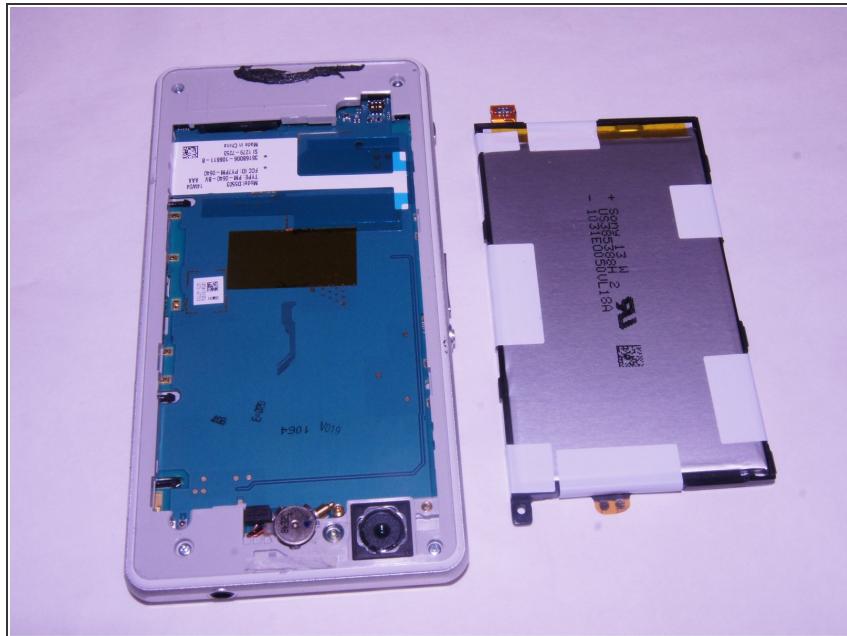
- Remove the single 1 x 3.0 mm screw holding the battery in using the JIS #00 screwdriver.

Step 6



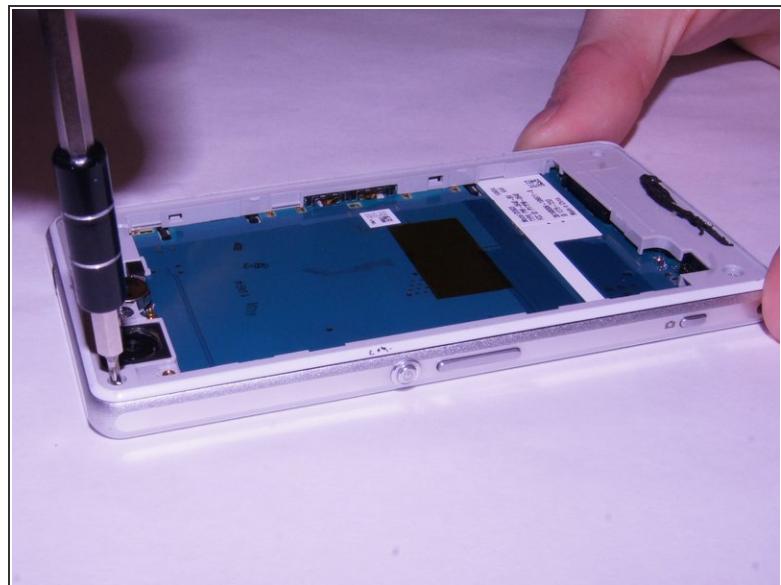
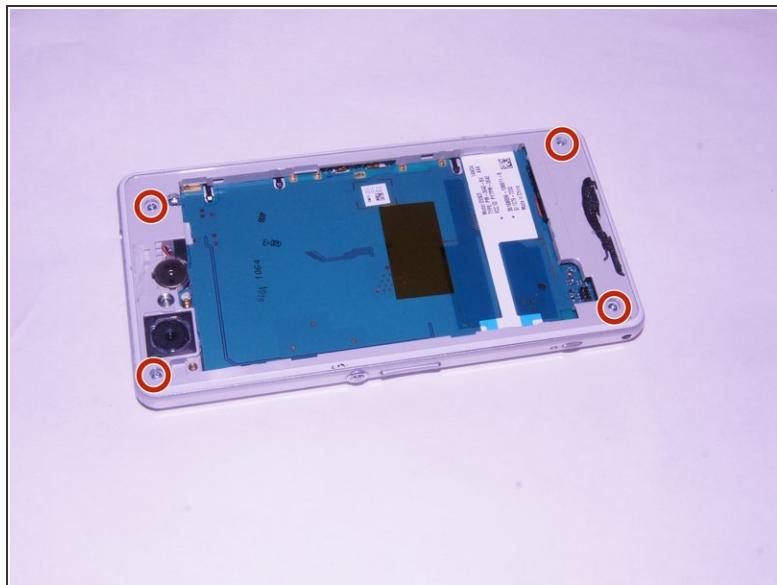
- Pry the battery up from the ends using the plastic spudger until the battery pops out of the enclosure.

Step 7



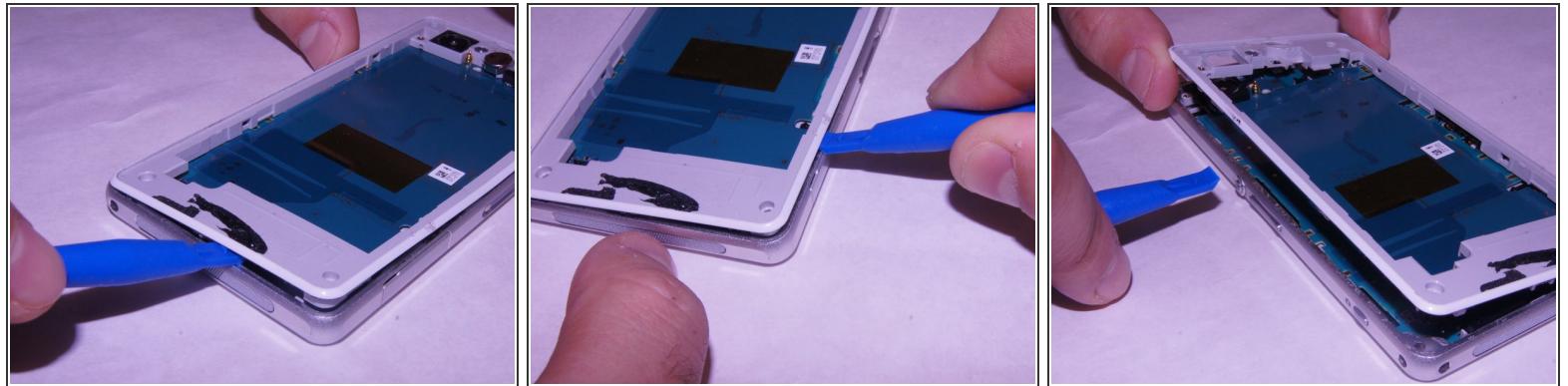
- Remove the battery from the device

Step 8 — External Speaker



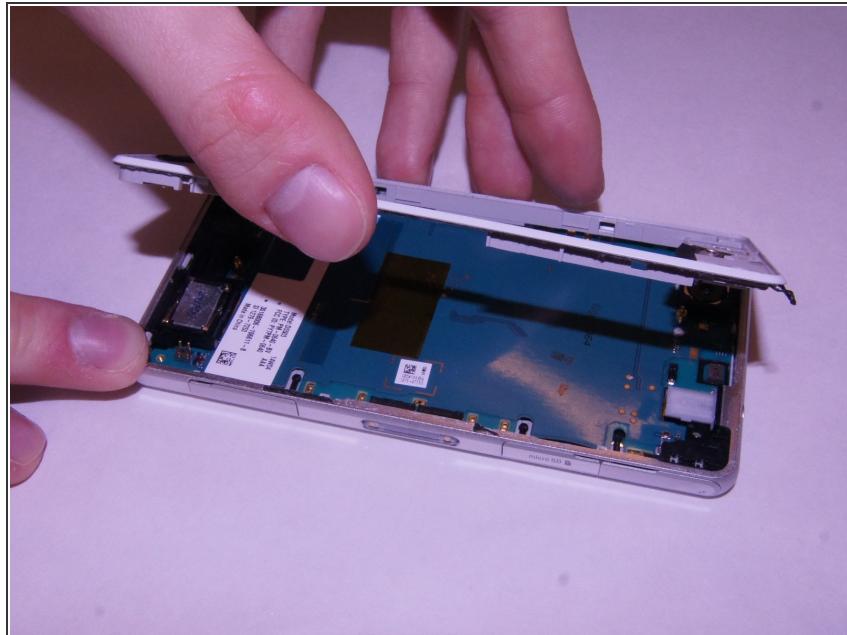
- Unscrew the four screws on the corners of the back frame using the JIS #00 screwdriver.

Step 9



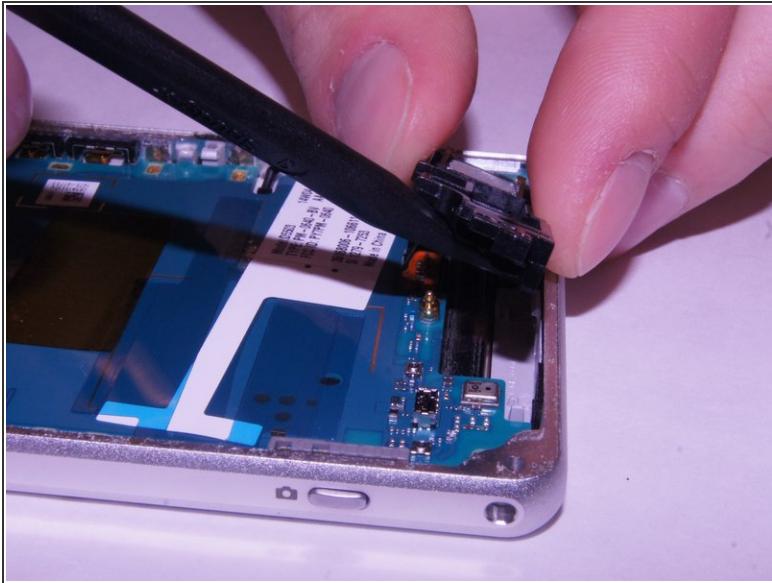
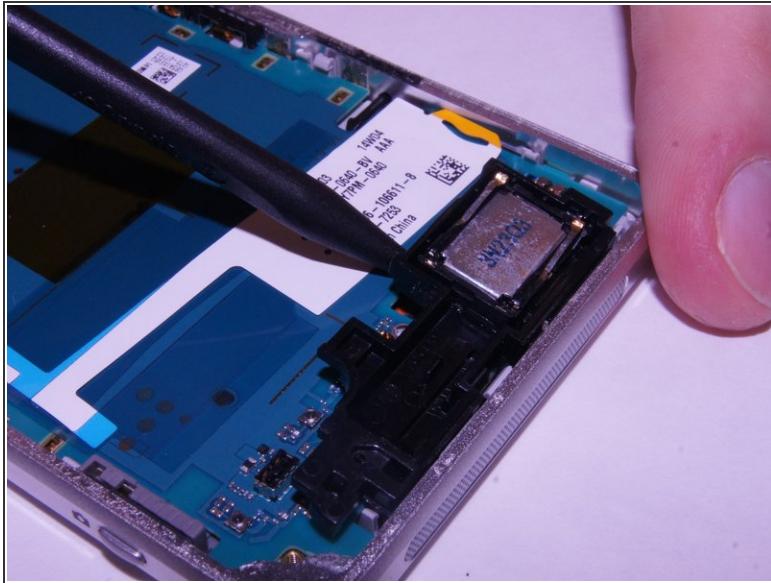
- Wedge the plastic opening tool under the back frame. Move the plastic opening tool around the entire frame to separate it from the adhesive.

Step 10



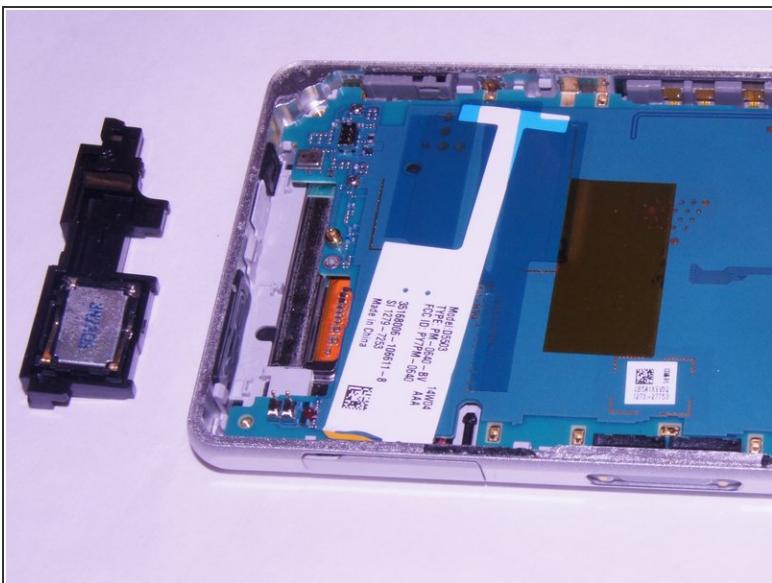
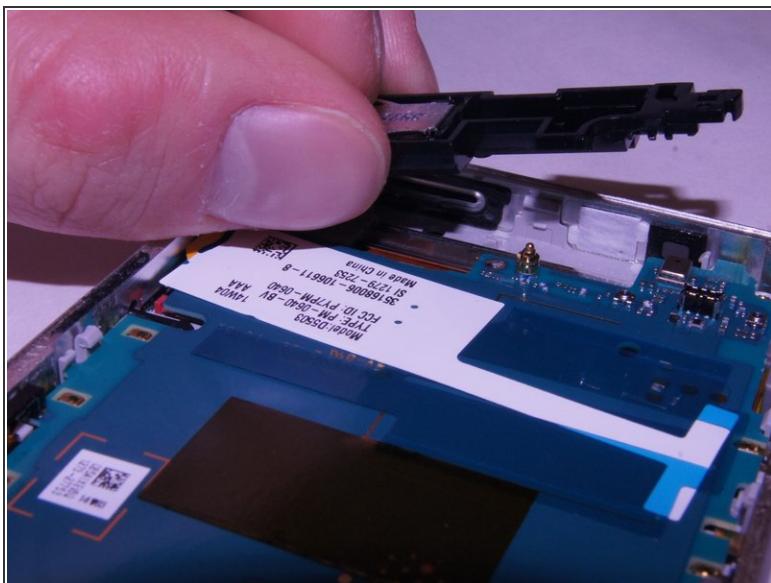
- Remove the back frame.

Step 11



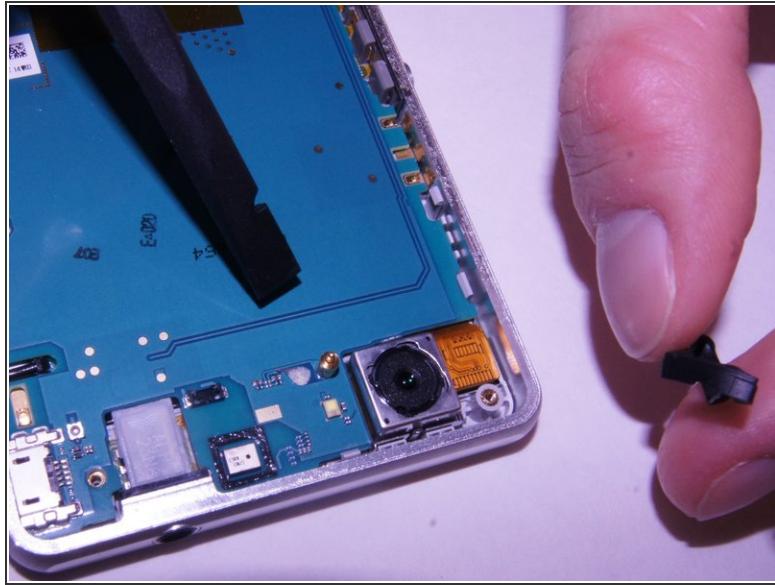
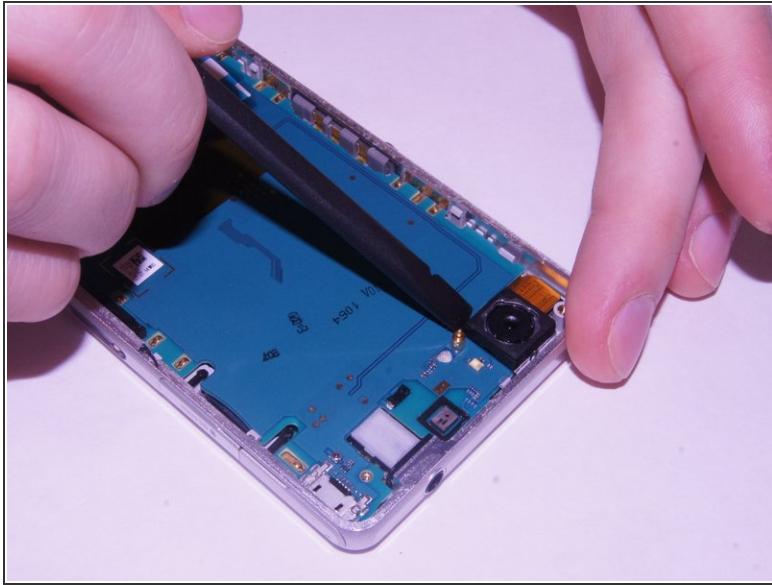
- Wedge the spudger underneath the external speaker. Pull up on the external speaker using the spudger.

Step 12



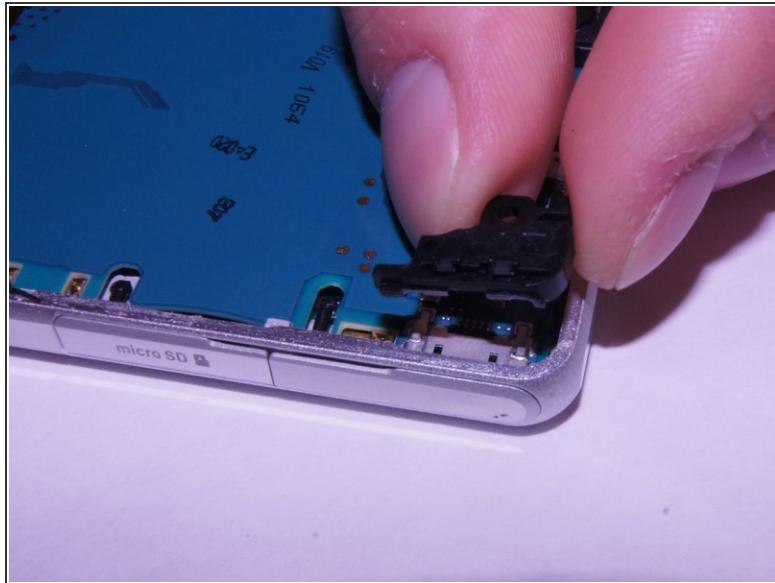
- Remove the external speaker.

Step 13 — Motherboard



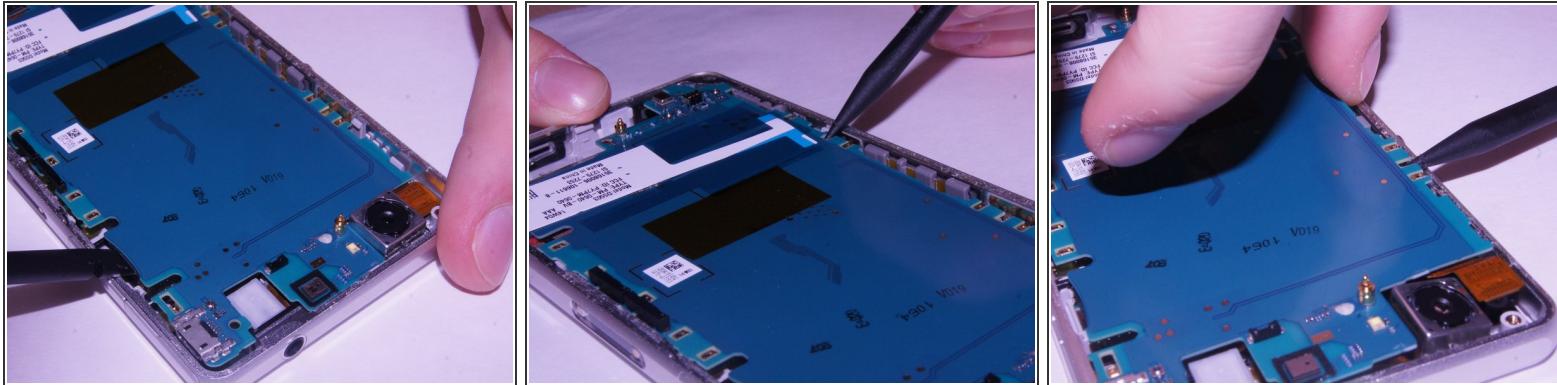
- Remove the square rubber gasket from the camera using the plastic spudger.

Step 14



- Remove the black plastic corner still holding in the motherboard.

Step 15



- Carefully pry up on the four sides of the motherboard using the plastic spudger til it separates from the base of the phone.

Step 16



- Remove the motherboard from the device.

(i) There may be a small yellow adhesive underneath the motherboard still holding it in. Slide the tip of the spudger through it to sever it.

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