



Sony Xperia XA Motherboard Replacement

How to replace the motherboard in a Sony Xperia XA.

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INTRODUCTION

You will need to use a source of heat. You may need to buy adhesive for the reassembly. Make sure the phone is completely powered off before opening the device.

TOOLS:

- [Heat Gun](#) (1)
 - [Suction Handle](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
 - [Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Back Cover



- Apply heat on the back surface of the phone.
- ⓘ Continue to heat the device as needed throughout the replacement process.
- ⚠ The device can get very hot, so be careful when handling it.

Step 2



- Stick the small suction cup on the bottom half of the back surface of the phone.

Step 3



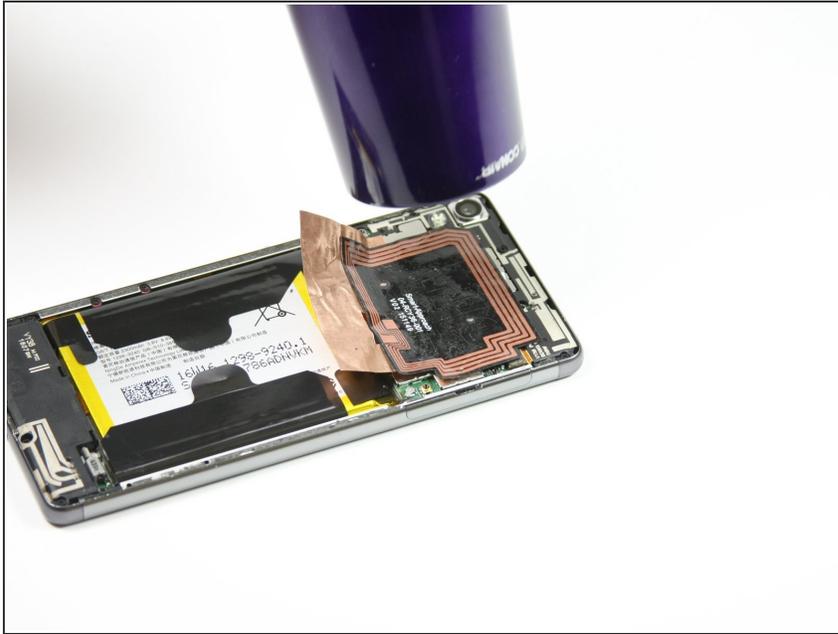
- With the bottom of the device facing you, lift up on the suction cup handle.
- Use the plastic opening tool around all sides to pry off the back cover.

Step 4



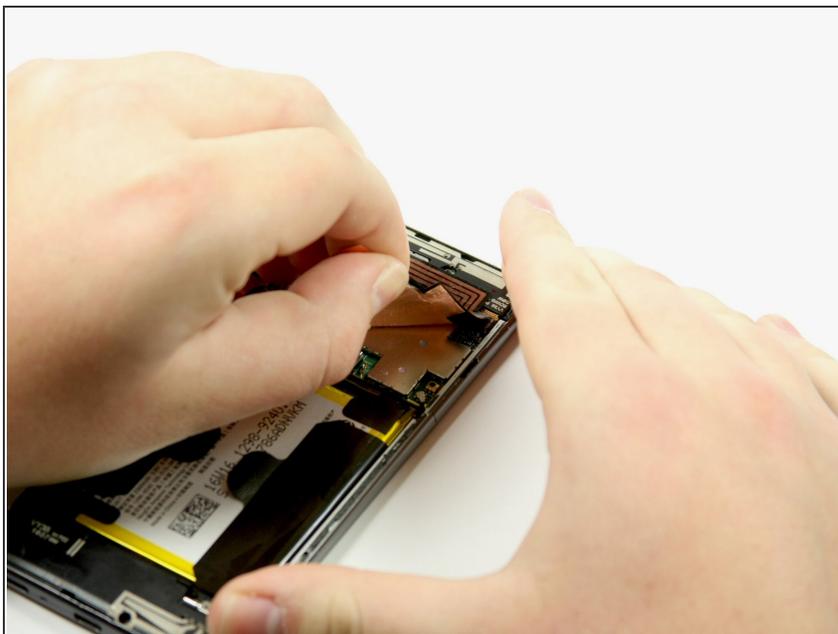
- Pull the back of the phone case away from the device.
- ⓘ You will hear popping sounds of glue being ripped from the phone.
- ⓘ You will hear the sound of the back unlatching from the device.
- ✎ You will need to apply adhesive or glue along the device to have maximum seal in reassembly.
- ⓘ RAF antenna may be attached to the back cover upon removal.

Step 5



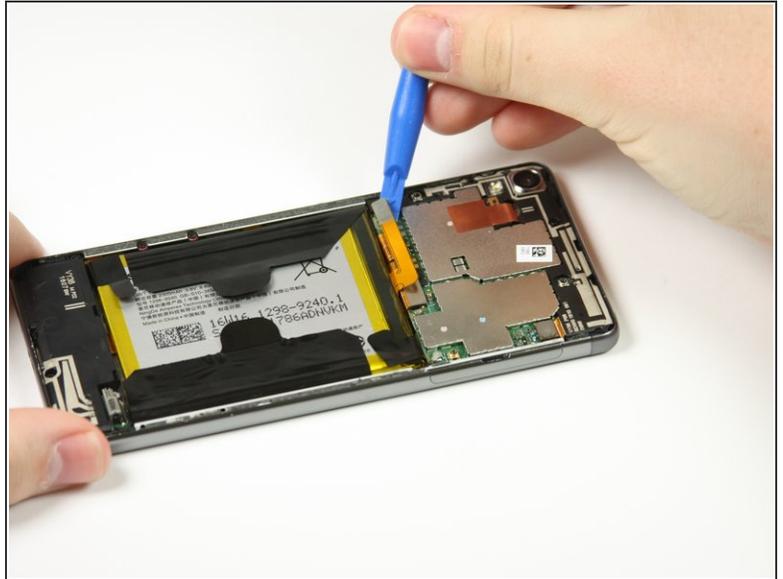
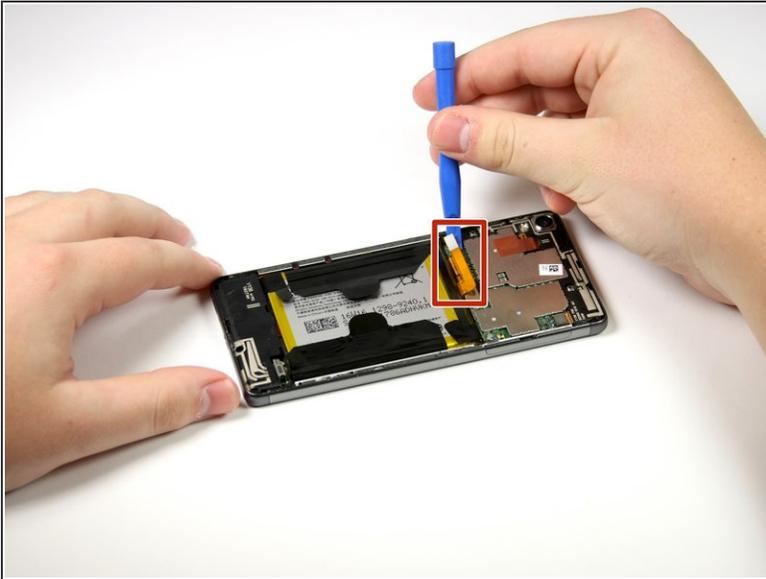
- Apply heat to the copper RAF antenna.
- ⓘ This step and the following step only apply if the RAF antenna does not come off when taking the back cover off.

Step 6



- Peel back the RAF antenna.

Step 7 — Motherboard



- Pry up the copper connector next to the battery with the plastic opening tool.

Step 8



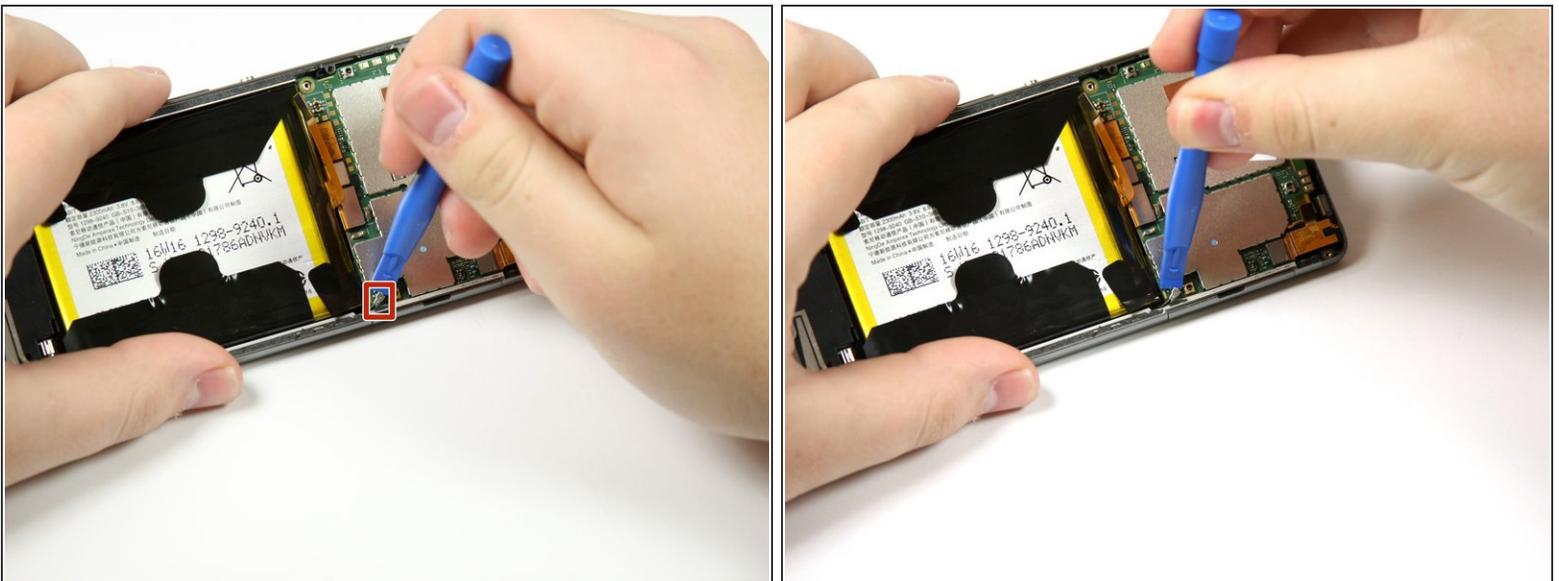
- Remove the five black 4mm screws with a Phillips #00 Screwdriver.

Step 9



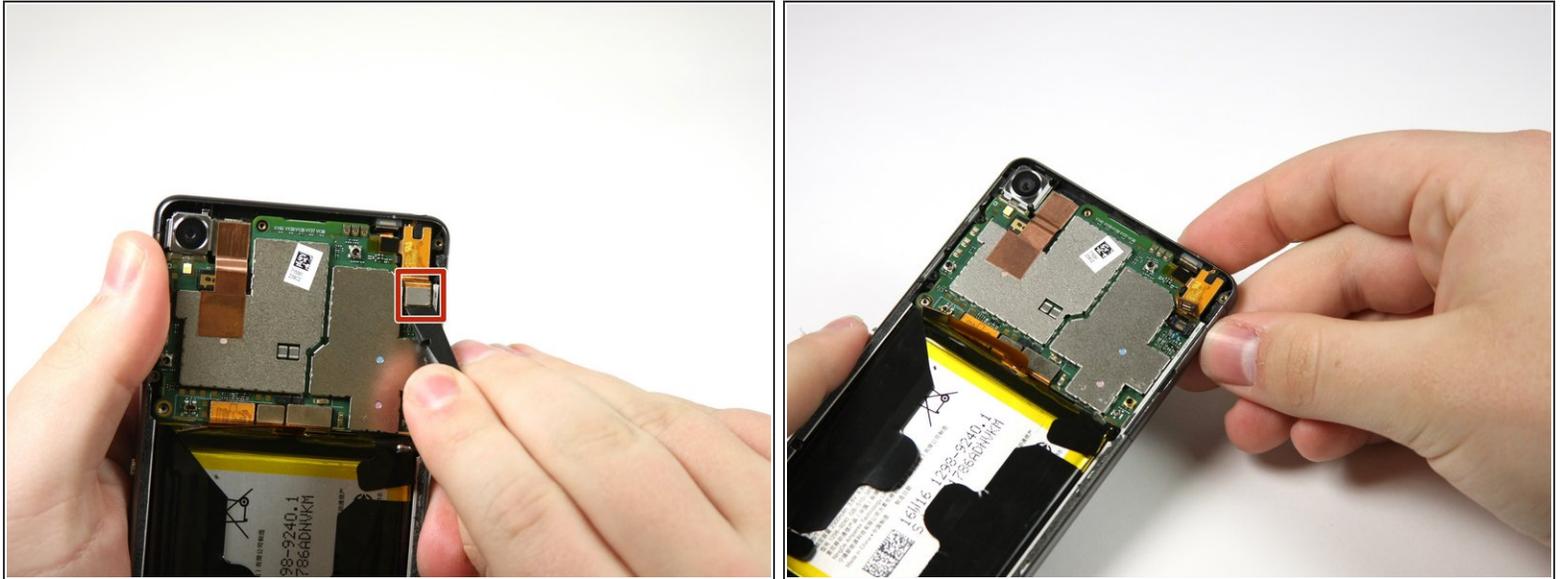
- Pry up the black camera case with the plastic opening tool and then remove the case.

Step 10



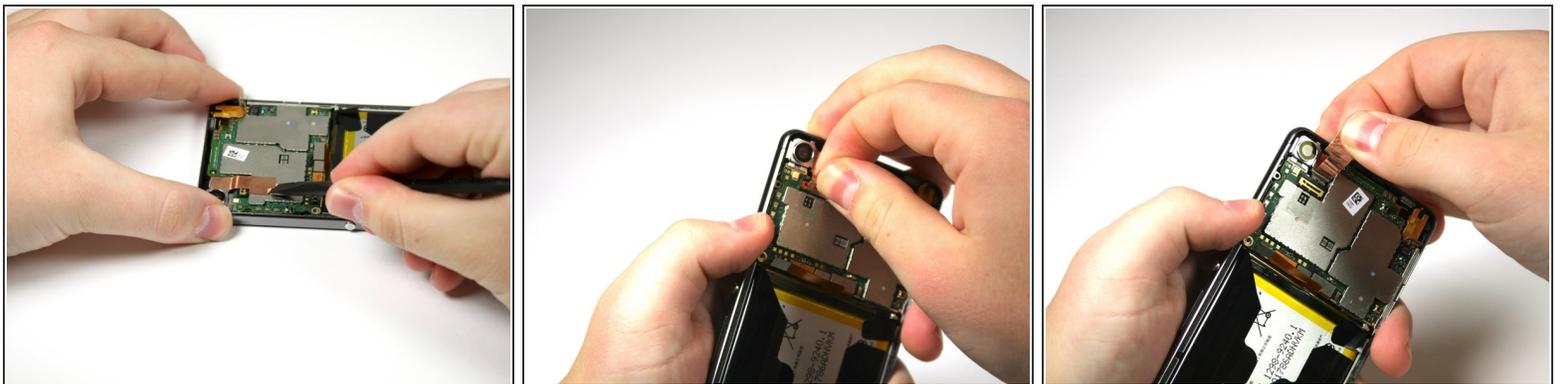
- Pop off the small connector on the right side of the motherboard with the plastic opening tool.

Step 11



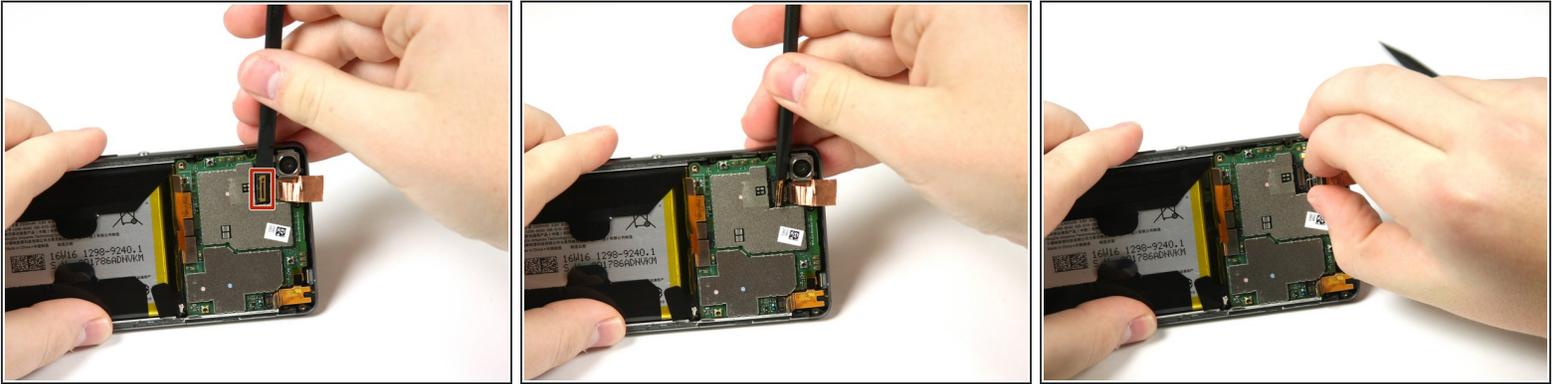
- Use the spudger to take off the connector in the top right of the motherboard.

Step 12



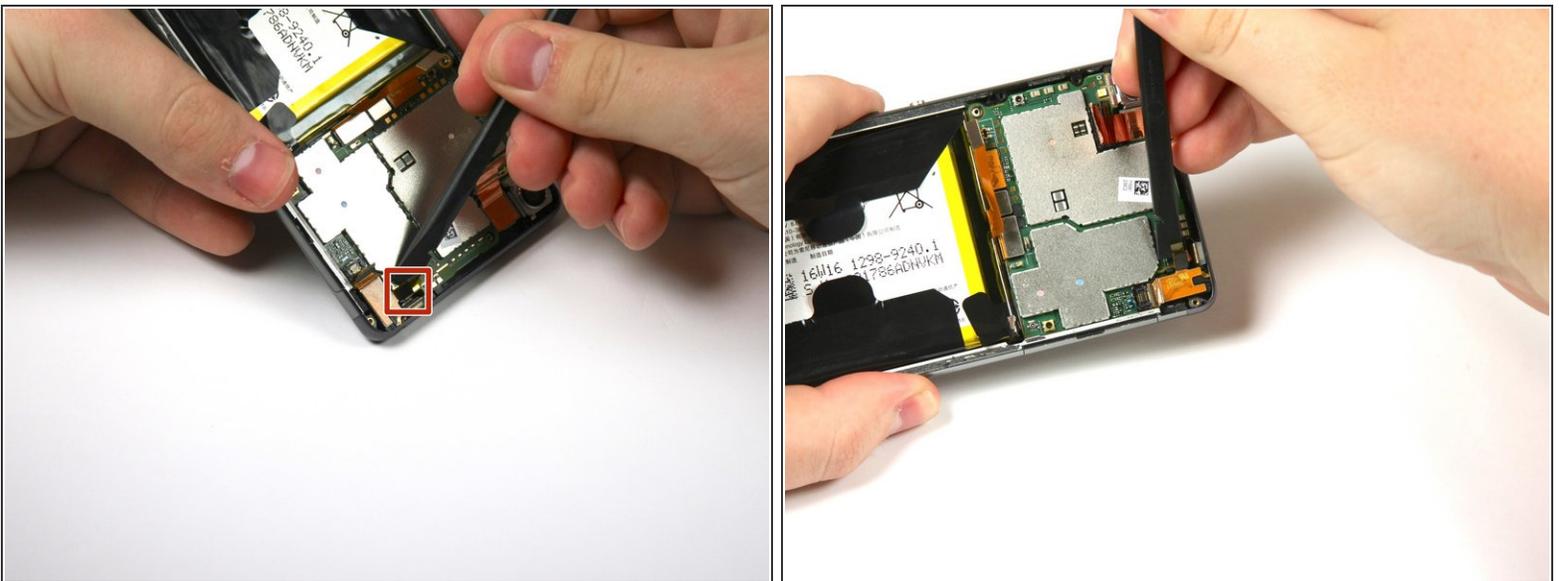
- Use the flat end of the spudger to peel up the copper tab to the right of the back camera.
- Peel back the tab past the connector.
- ⓘ Tab is stuck with adhesive.

Step 13



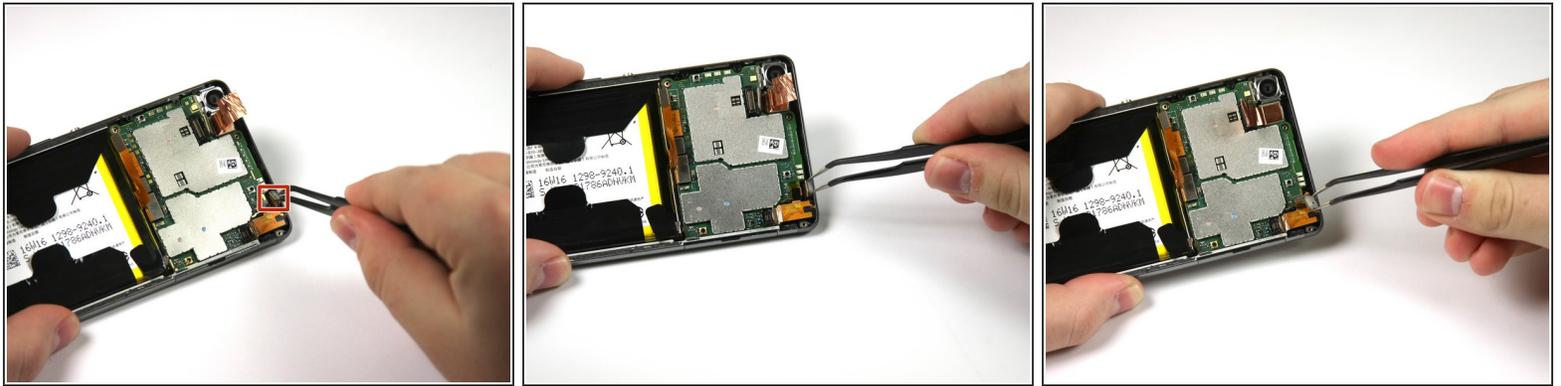
- Pry up the camera's connector to the motherboard with the nylon spudger.

Step 14



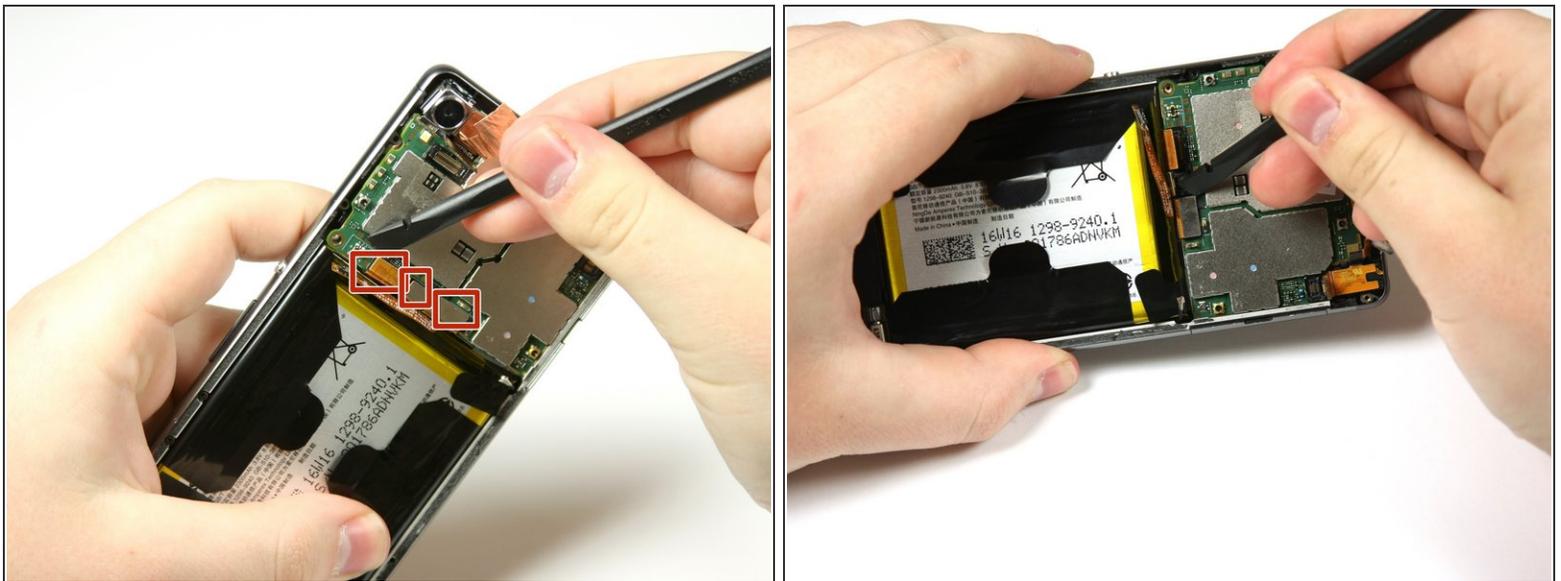
- Use the spudger to loosen the black connector from the top right of the motherboard.

Step 15



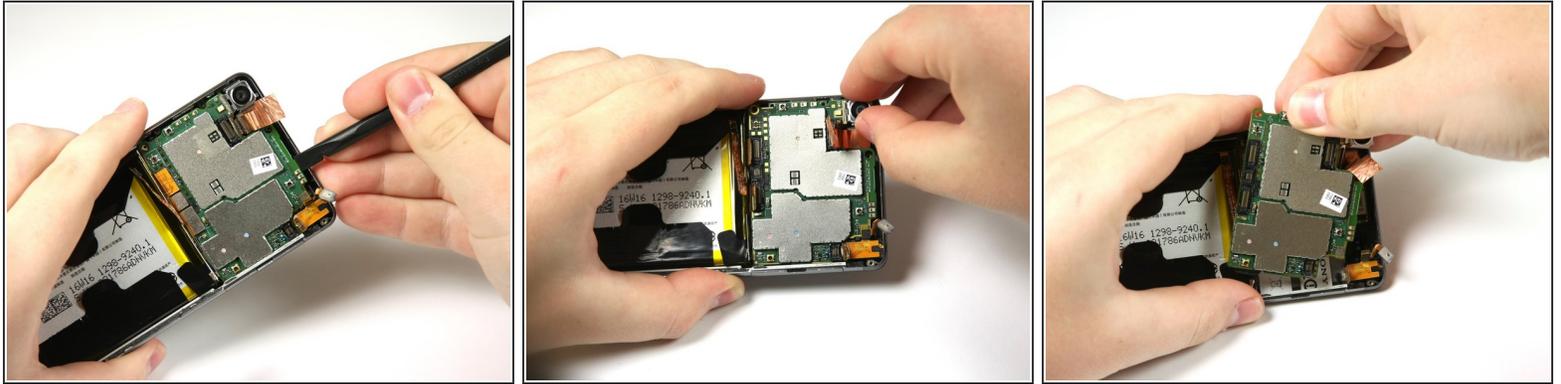
- Pull out the square shaped connector using tweezers.

Step 16



- Use the spudger to detach the three copper connectors on the bottom area of the motherboard.

Step 17



- Use the spudger to separate the motherboard from the frame.
- Pull out the motherboard using your fingers.

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