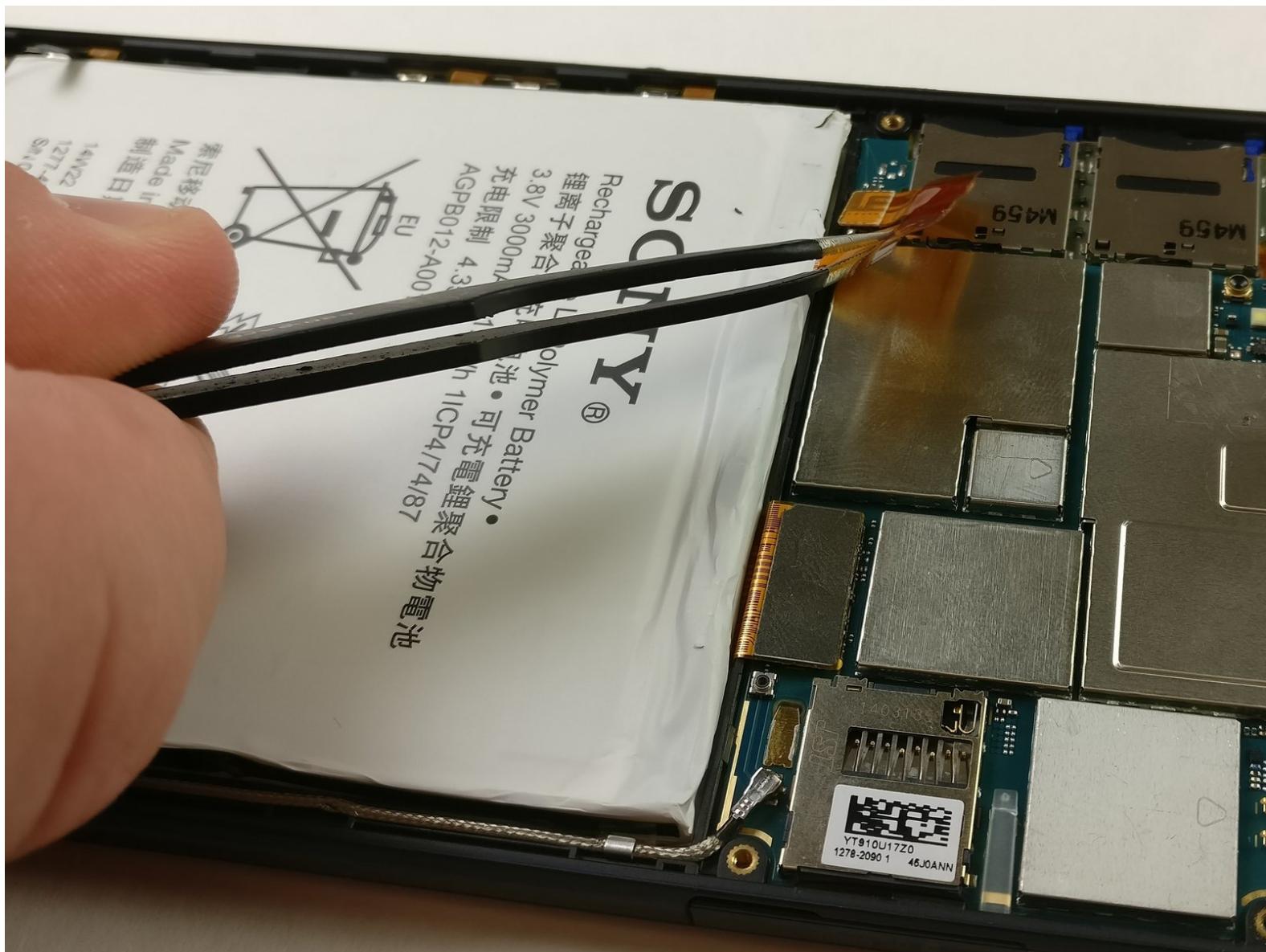




Sony Xperia T2 Ultra Dual Motherboard Replacement

This guide is to show what components need to be removed in order to replace the motherboard.

Written By: Brayden Ratekin



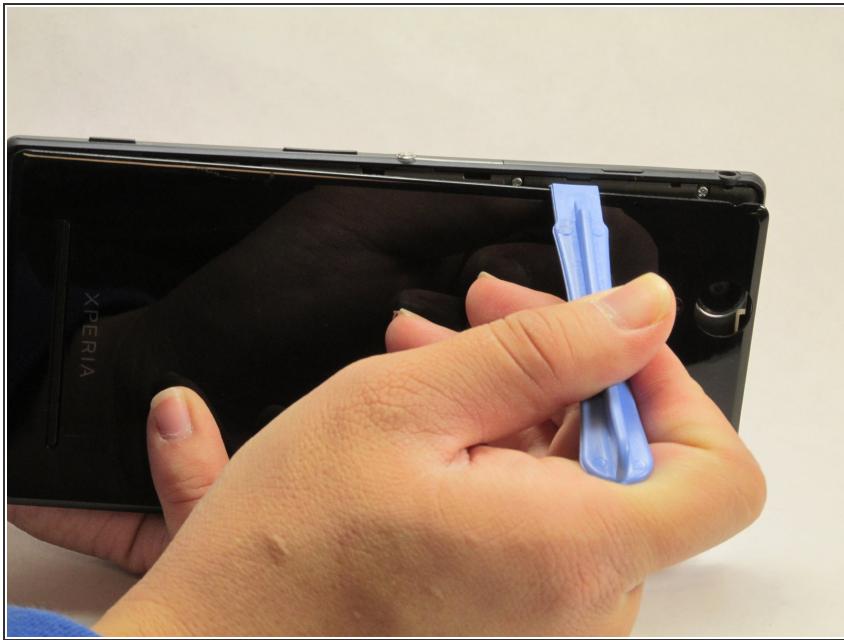
INTRODUCTION

The motherboard is where all the different chips that make the phone run are located. The motherboard needs to be replaced anytime one of the chips on it breaks in order for the phone to work again. Since all other components of the phone connect to the motherboard, all the connectors must be disconnected in order to safely remove the motherboard.

TOOLS:

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

Step 1 — Rear Case



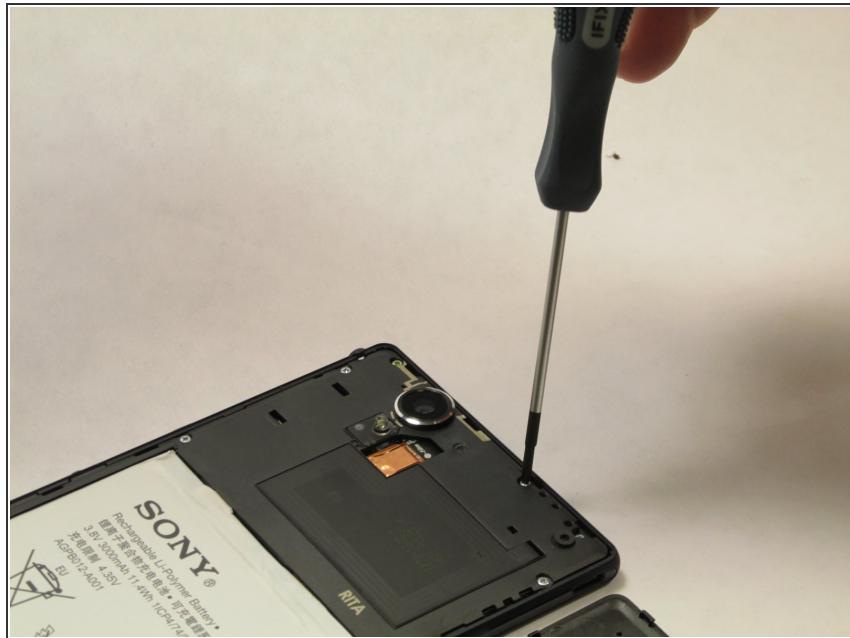
- Using the spudger, pry open the back cover by starting alongside the edge of the back cover.

Step 2



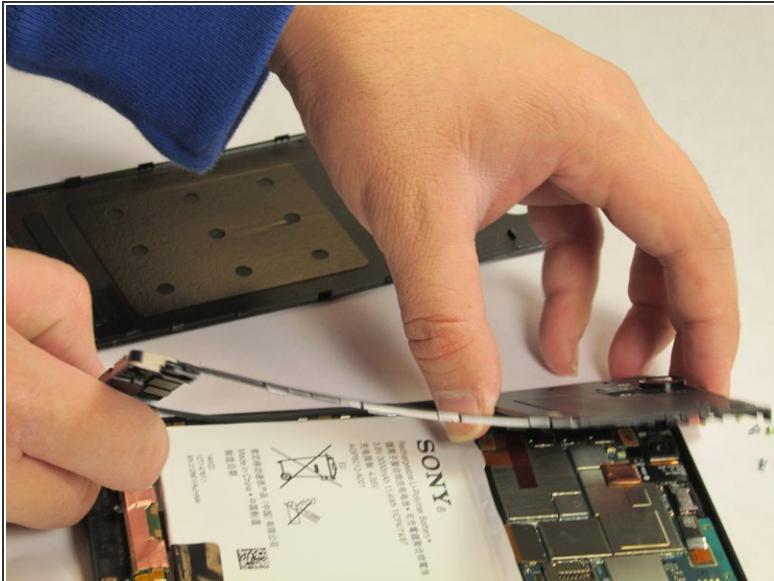
- Once the part of the back cover has been opened up. Slide the spudger to pry completely detach the cover from the phone.

Step 3 — Removing the internal cover



- Using the Phillips #00 Precision screwdriver, take out 8 silver screws (3.15mm) and 5 gold screws (3.9mm) for a total of all the screws attached to the flat plate. 3 of the gold screws are located at the top of the phone and the other 2 screws are located at the bottom of the phone.

Step 4



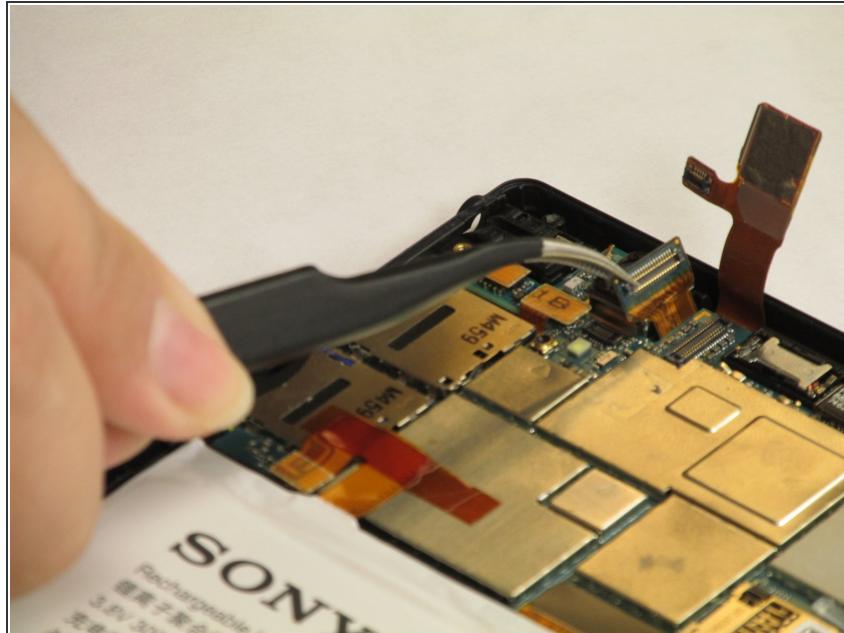
- To remove the internal cover, use the plastic spudger tool and pry the cover from the phone as shown in the picture.

Step 5 — Removing Chip



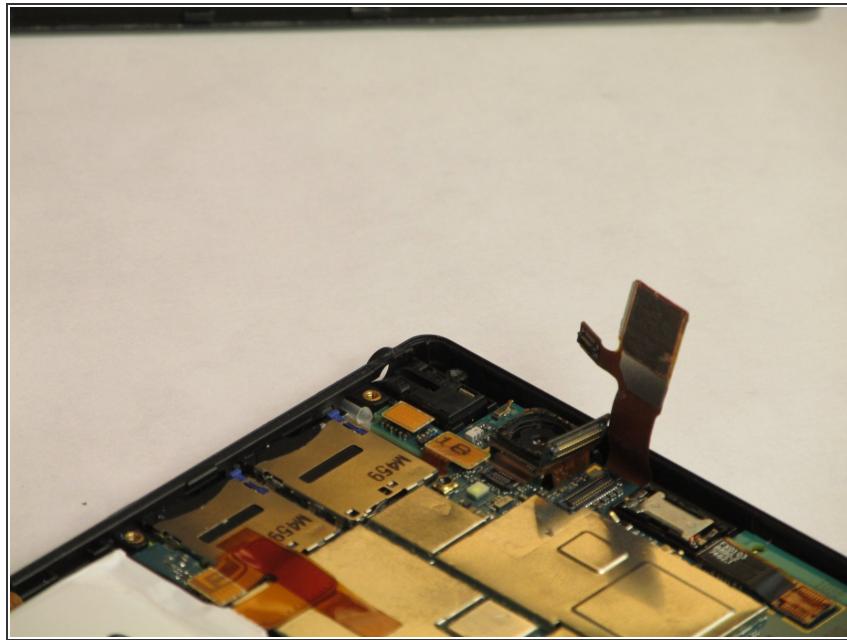
- To take out the back facing camera, flip open the flap labelled 'film' to reveal the chip that connects to the motherboard.

Step 6



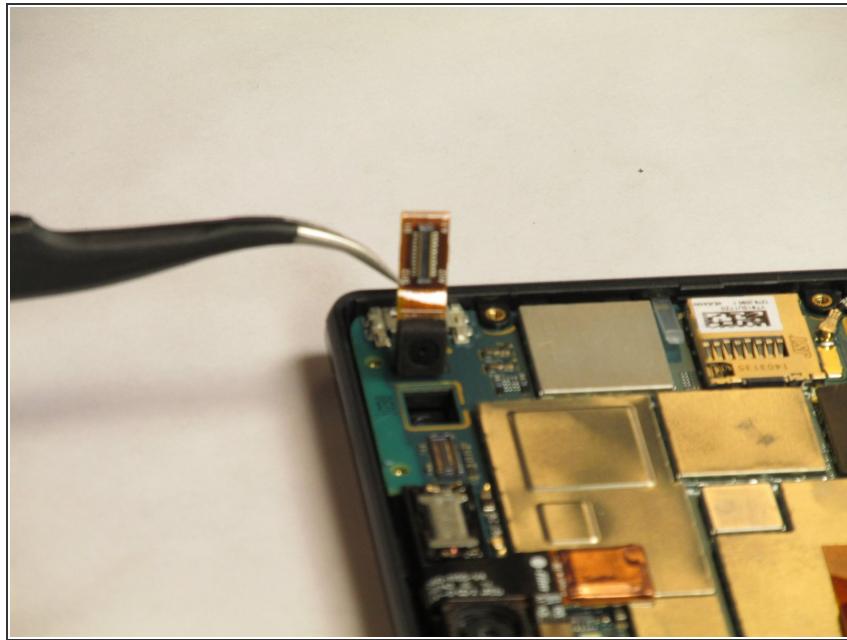
- Use the tweezer, carefully pry open the chip for the back facing camera.

Step 7 — Remove back facing camera



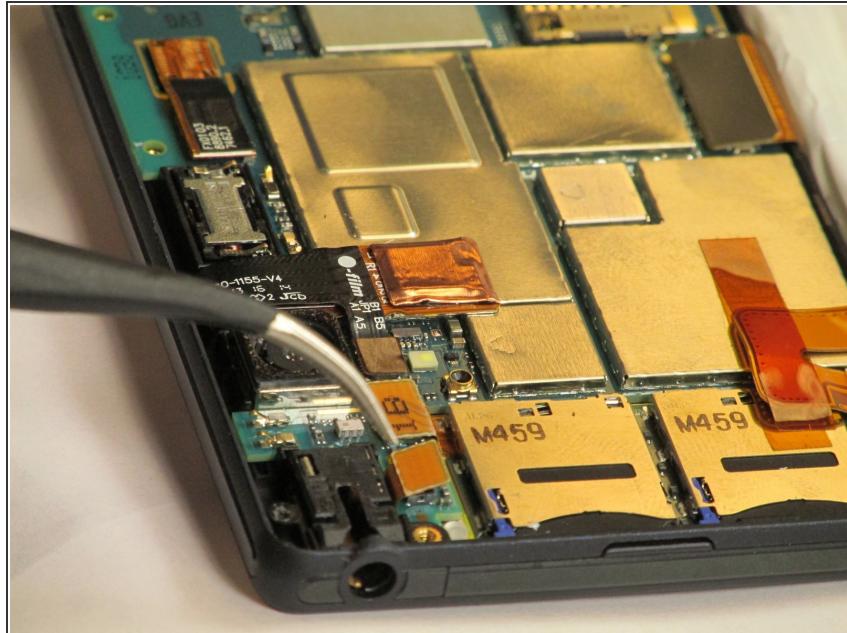
- Then using the tweezer, carefully remove the back facing camera component.

Step 8 — Removing the Front Camera



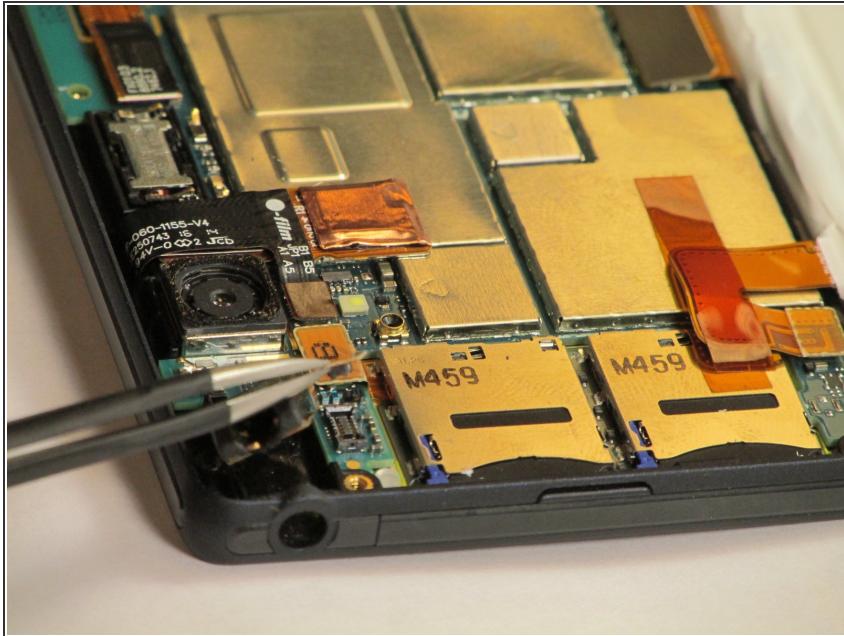
- Using the tweezer, carefully pry open the chip for the front facing camera as shown. Then using the tweezer, carefully remove the front facing camera component.

Step 9 — Removing chip



- Using tweezer, locate the audio jack as shown and pull out the chip connected to the motherboard.

Step 10 — Remove audio jack



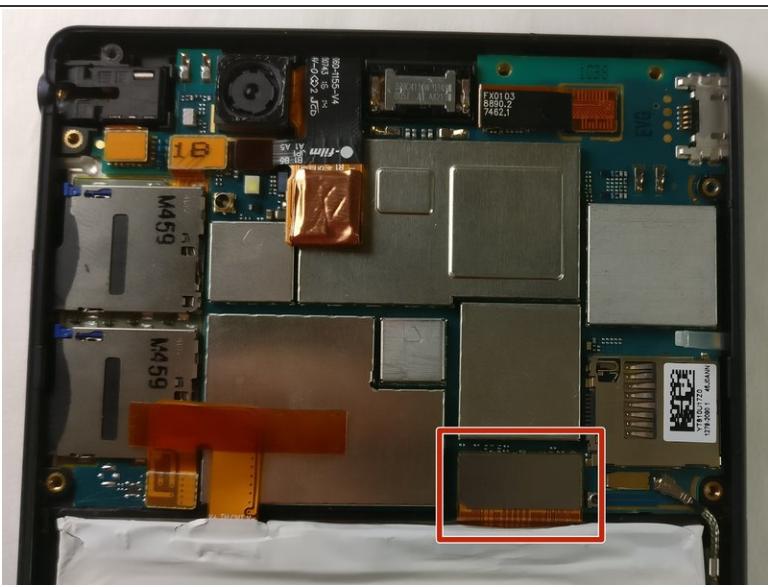
- Carefully remove the audio jack by using the tweezers and pull firmly straight out of the motherboard.

Step 11 — Motherboard



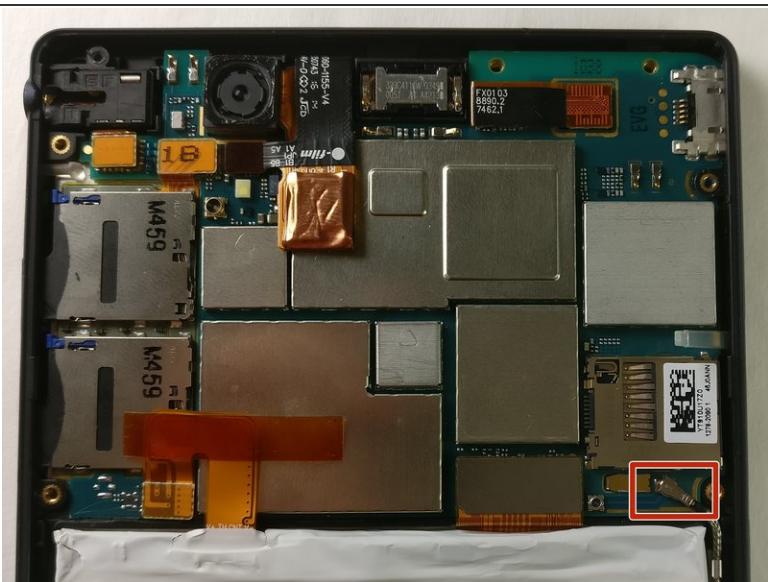
- Using tweezers, locate the battery connector and carefully pull up to disconnect it.

Step 12



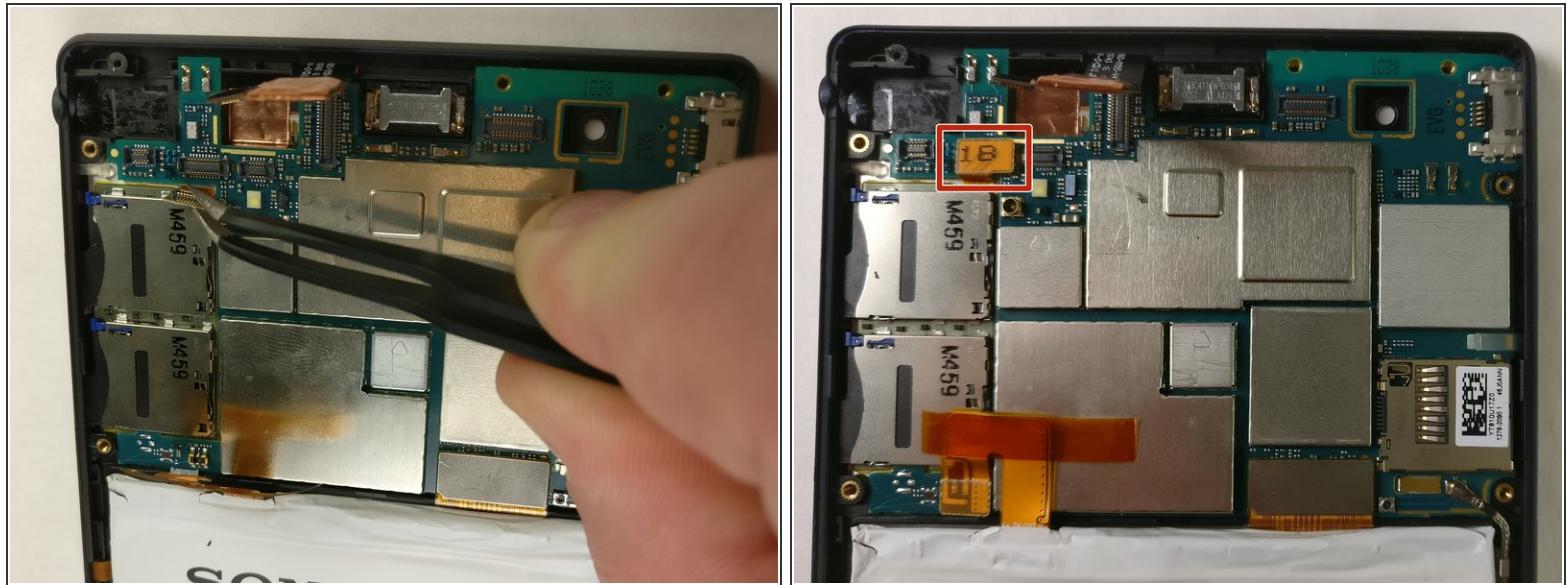
- Carefully remove the button circuit connector by using tweezers and gently pulling up.

Step 13



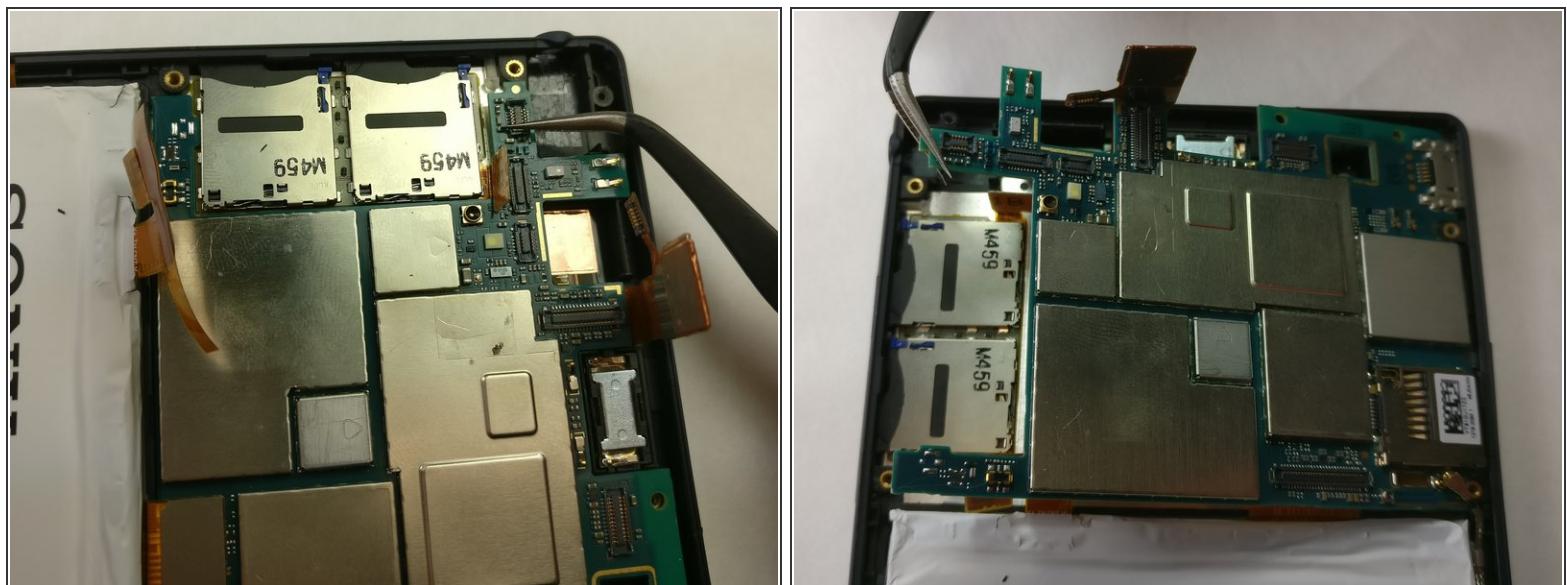
- Carefully remove the silver plug by using the tweezers to lift straight up.

Step 14



- Carefully remove the SIM card connector using tweezers by gently pulling it straight up.

Step 15



- Using tweezers, carefully remove the motherboard by pulling it up and out of the backing.

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