



Sony Xperia XZ Premium Motherboard Replacement

You will learn how to remove the motherboard...

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INTRODUCTION

You will learn how to remove the motherboard from the Sony Xperia XZ Premium. This process includes unscrewing nine screws and removing the frame pieces. It is important to keep your work-space organized because there will be several pieces of the phone removed.

TOOLS:

[iOpener](#) (1)

[Plastic Cards](#) (1)

[Phillips #000 Screwdriver](#) (1)

[Spudger](#) (1)

Step 1 — Back Panel



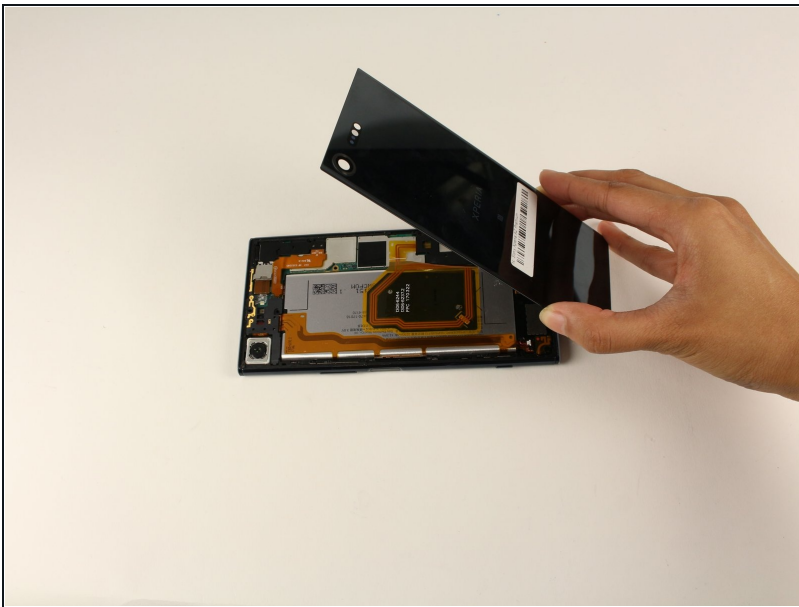
- Place a heated iOpener on the back panel of the phone to melt the adhesive inside.
- ⚠ The iOpener or your desired heat source can be very hot and can heat up the phone, so make sure you do not burn yourself.
- ℹ Follow [this guide](#) for directions on using the iOpener.

Step 2



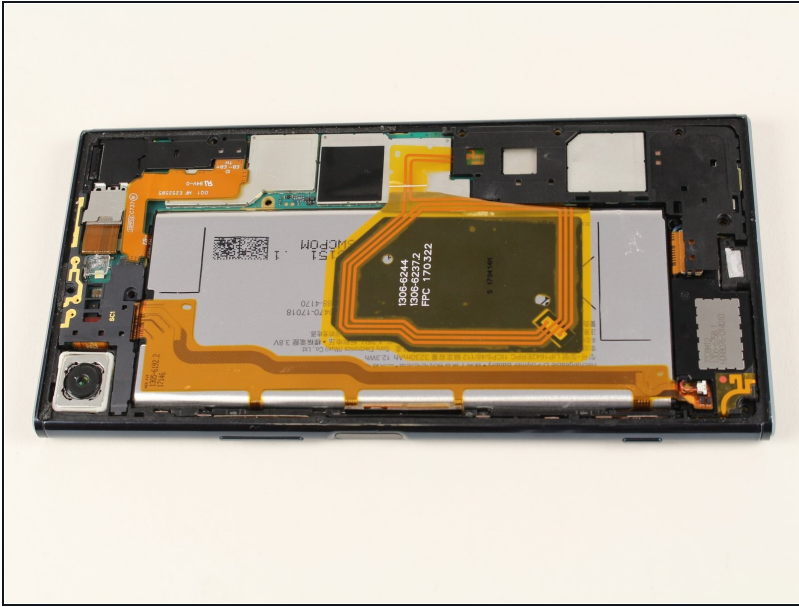
- Slide a thin [plastic card](#) under the back panel and around the perimeter of the phone to remove the adhesive.

Step 3



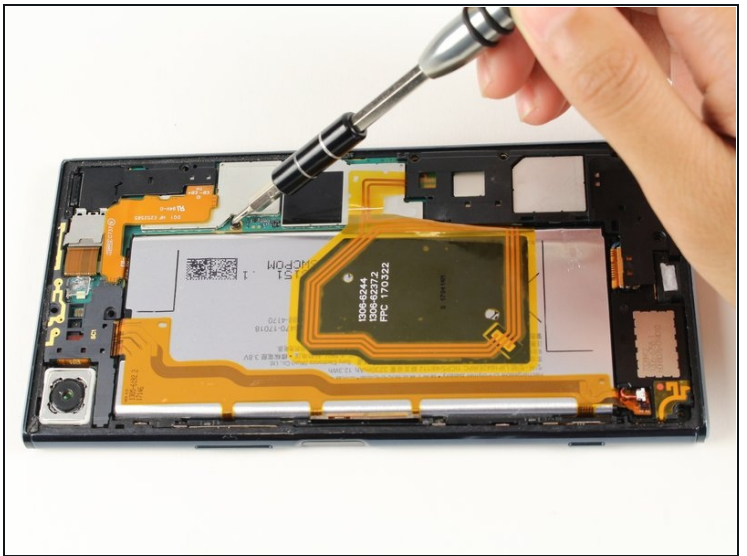
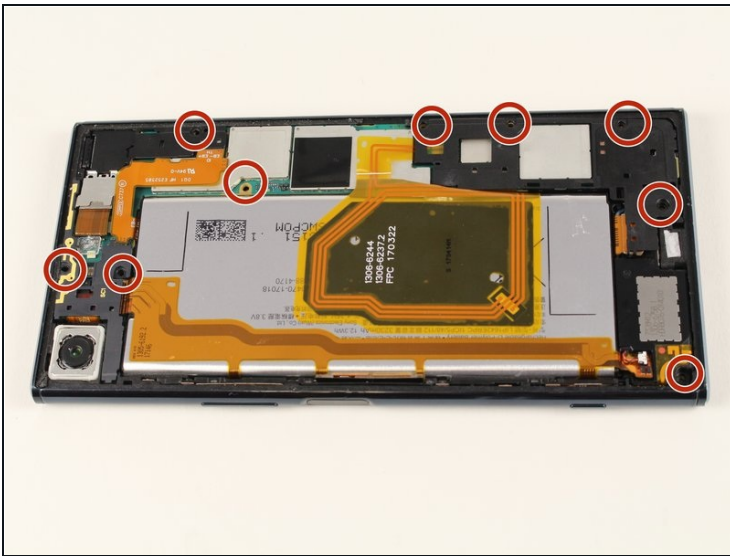
- Take hold of the back panel with your fingers and remove.

Step 4 — Frame



- Orient the phone horizontally with the front screen facing down and the camera on the bottom left corner.

Step 5

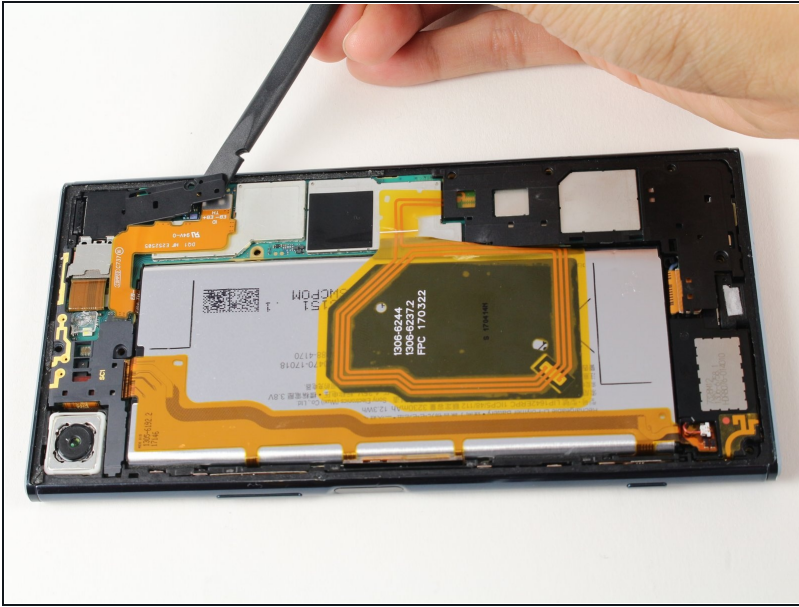


- Remove nine 3.9mm Phillips #000 screws.

⚠ Make sure to turn carefully in the counter-clockwise direction or you may wear out the thread and shape of the screws. You will not be able to remove the screws once they are damaged!

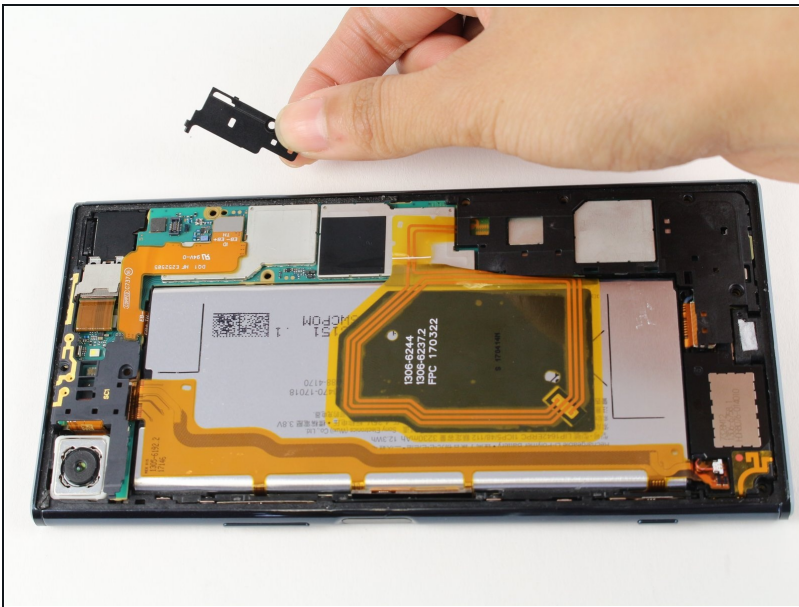
📌 When unscrewing, remember "Left Loosey, Righty Tighty!"

Step 6



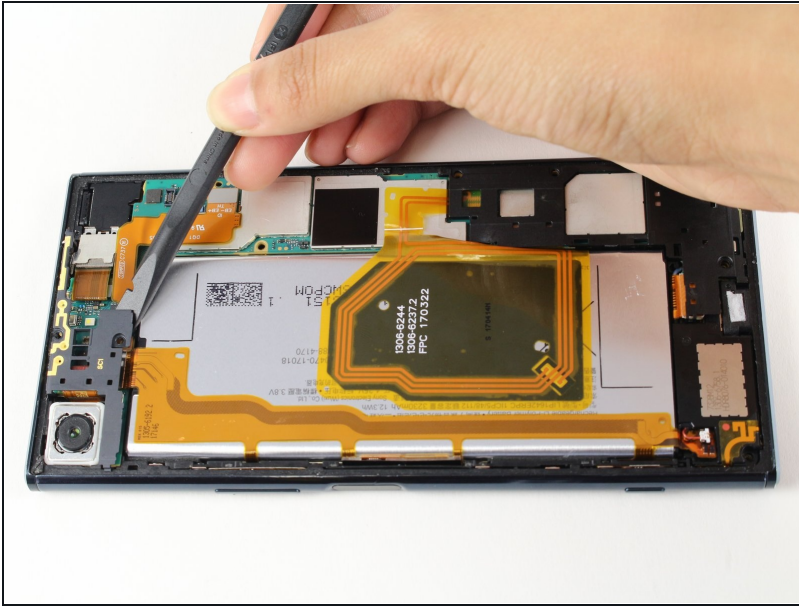
- Place the spudger under the top left corner frame piece and lift to loosen.

Step 7



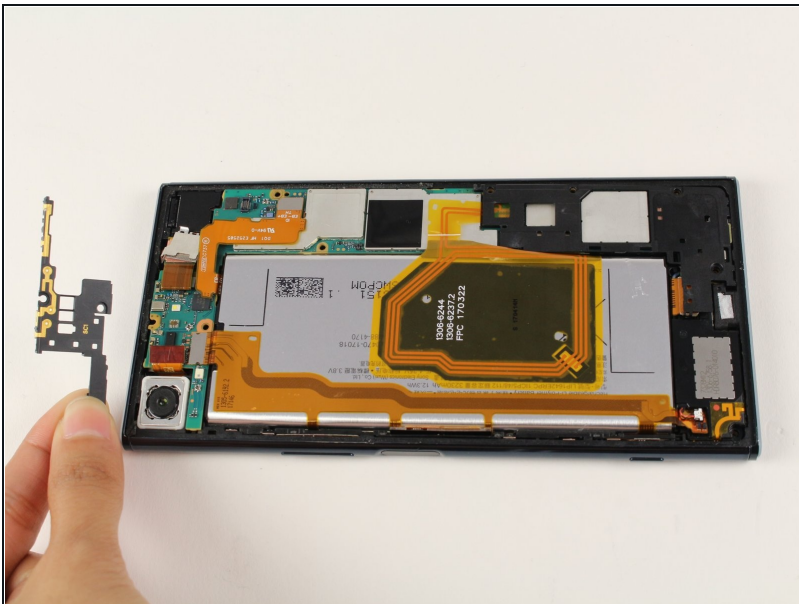
- Grab hold of the top left frame piece with your fingers and gently wiggle and lift to remove.

Step 8



- Place the spudger under the bottom left frame piece and lift to loosen it.

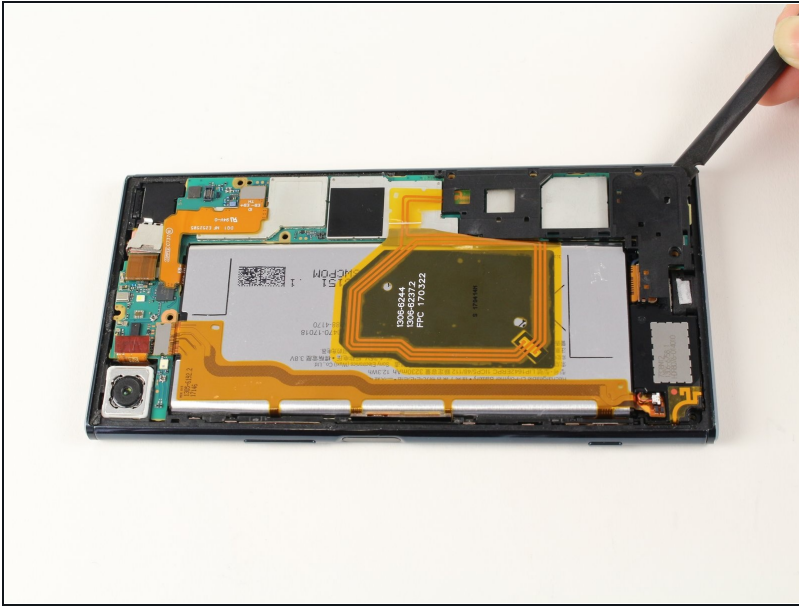
Step 9



- Grab hold of bottom left frame piece with your fingers and lift gently.

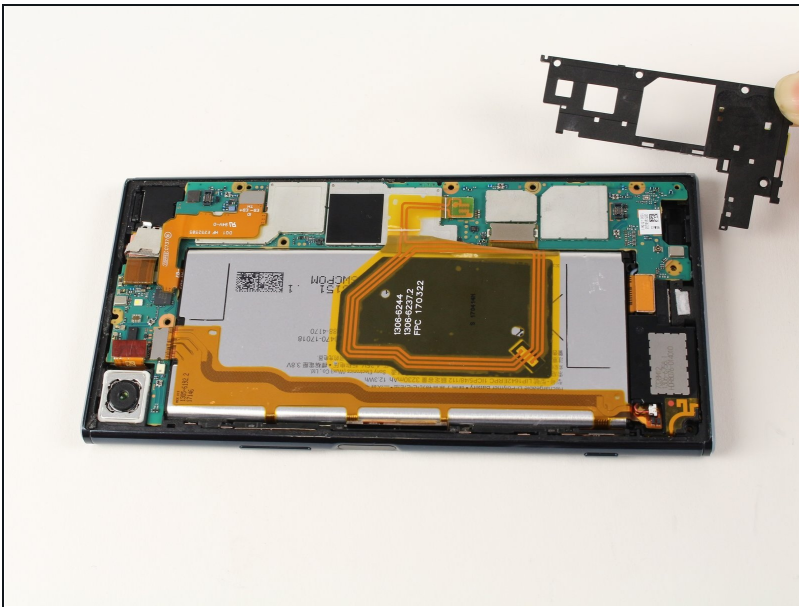
⚠ When dislodging the left frame piece, carefully wiggle the piece while lifting it vertically to prevent any damage to the wedges on the frame. This applies for all of the other frame pieces you will remove after this step!

Step 10



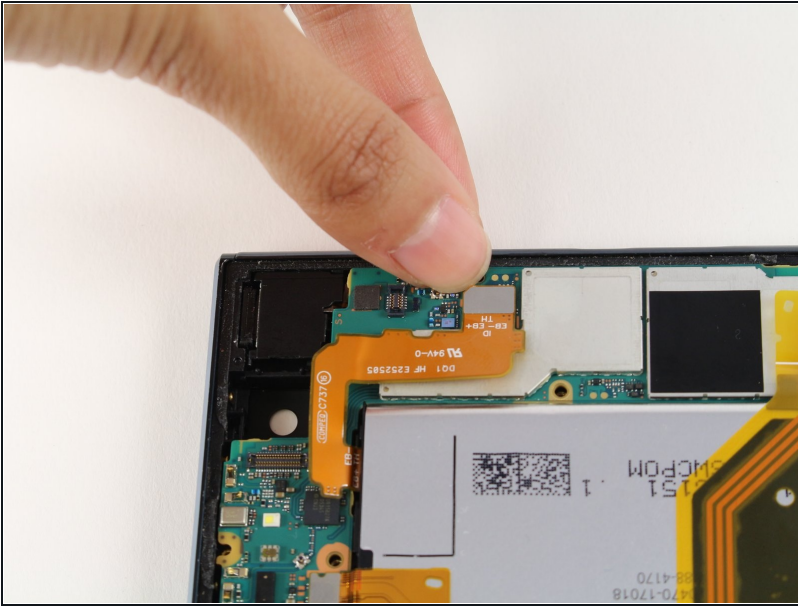
- Place the spudger under the top right frame piece and lift to loosen it.

Step 11



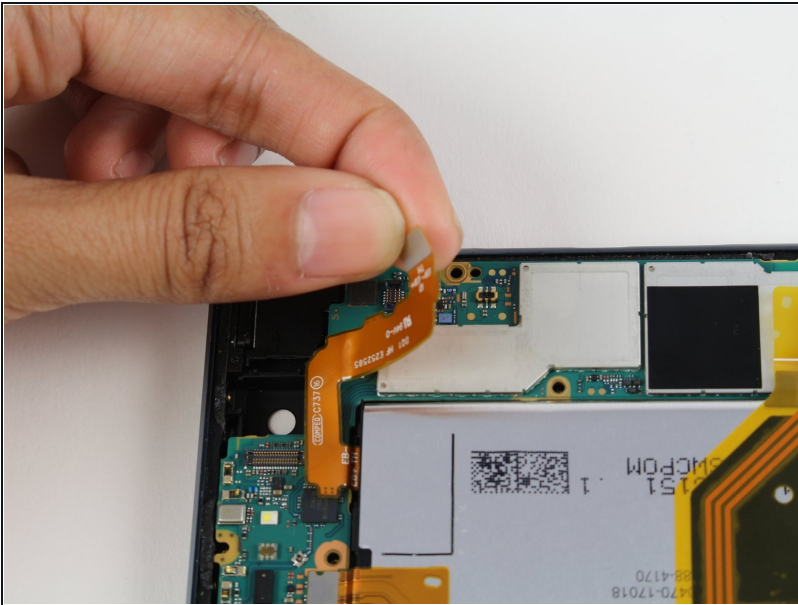
- Grab hold of the top right frame piece with your fingers and lift.

Step 12 — Motherboard



- Insert your nail under the top left connector and push to disconnect it.

Step 13



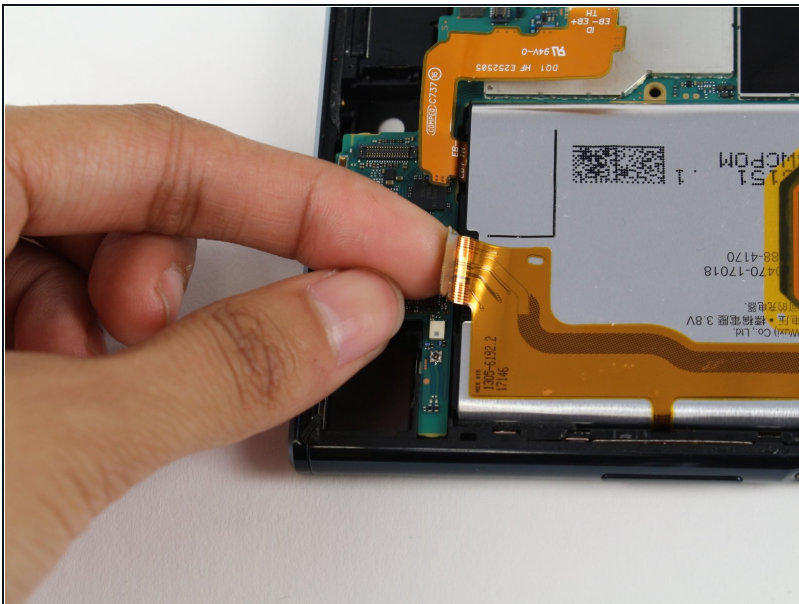
- Grab hold of the metal part of the connector with your fingers and lift.

Step 14



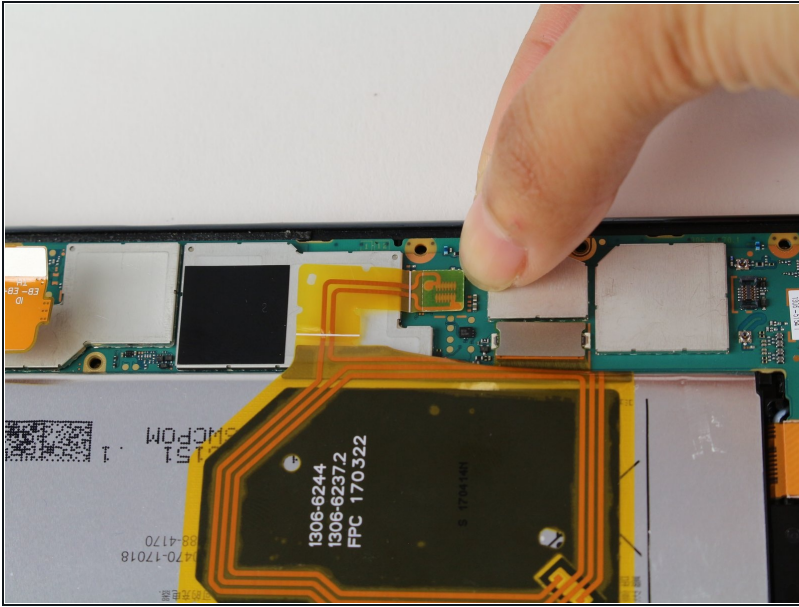
- Insert your nail under the metal part of the bottom left connector.

Step 15



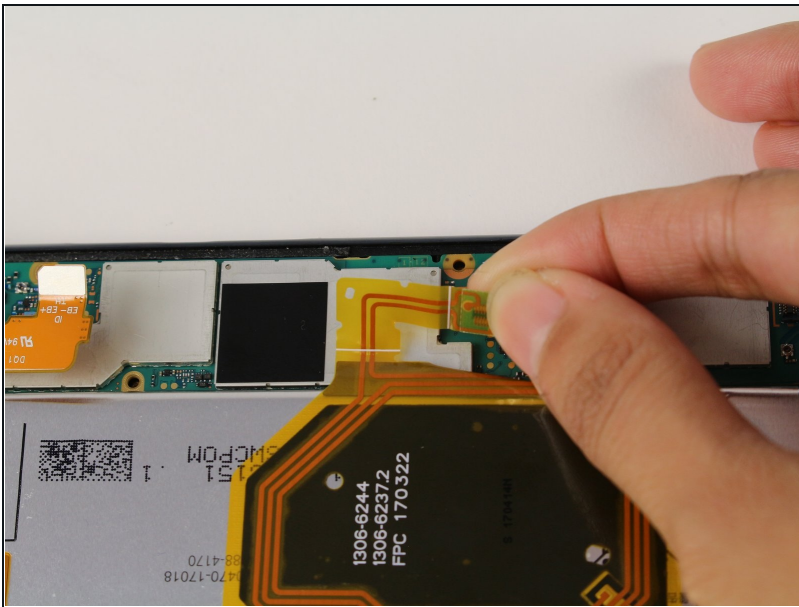
- Push the bottom left connector with your finger to disconnect it.

Step 16



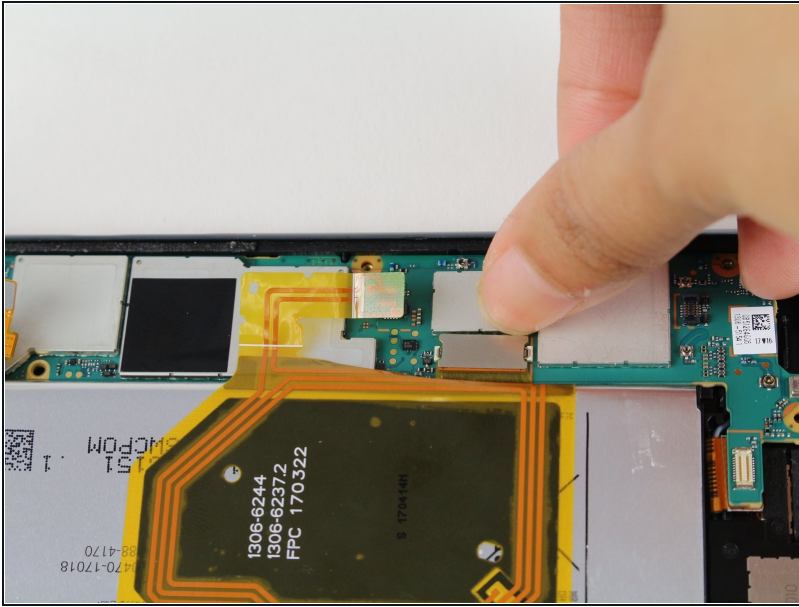
- Insert your nail under the center topmost connector and push to loosen it.

Step 17



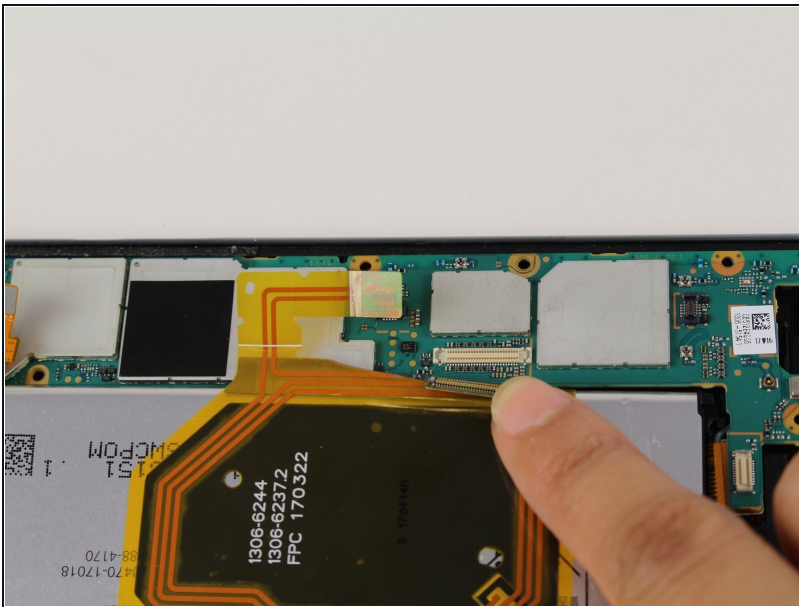
- Grab hold of the top connector with your fingers and lift to disconnect it.

Step 18



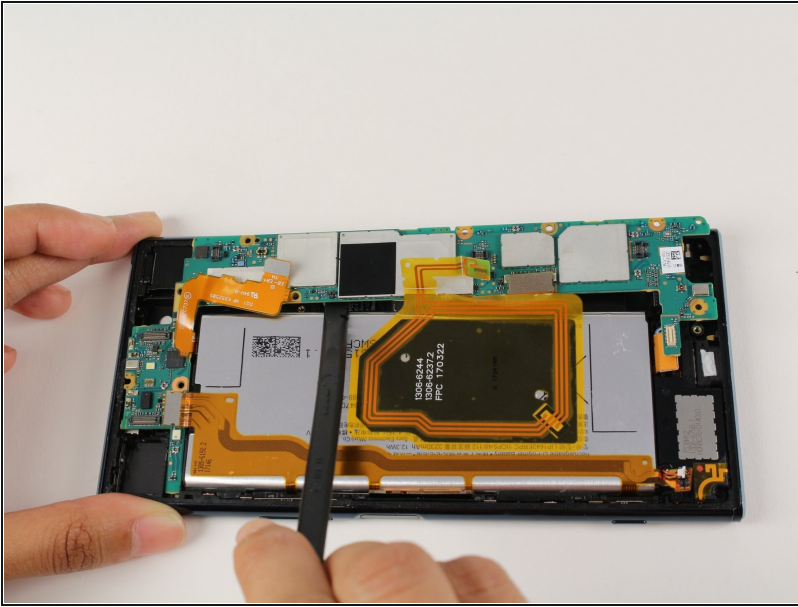
- Insert your nail under the metal tab of the connector above the battery and push to loosen it.

Step 19



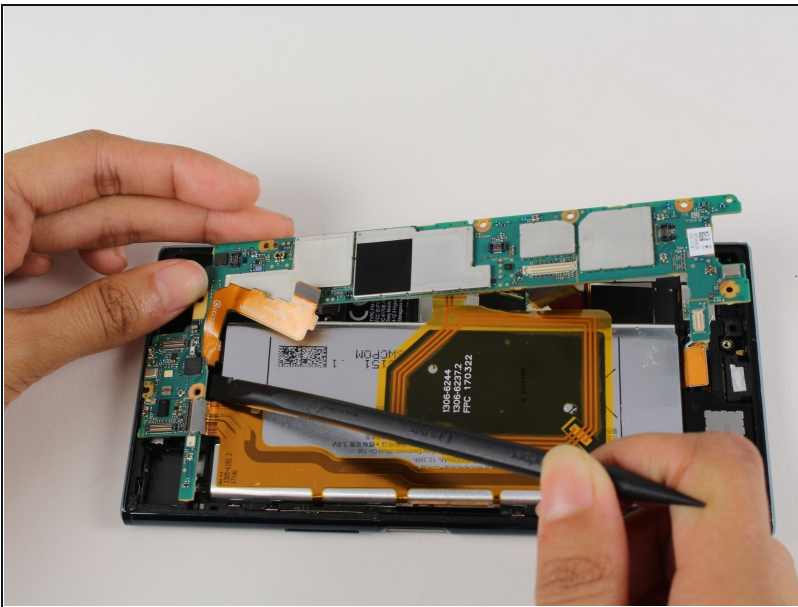
- Pull the metal tab of the connector towards you with your fingers to disconnect the pins.

Step 20



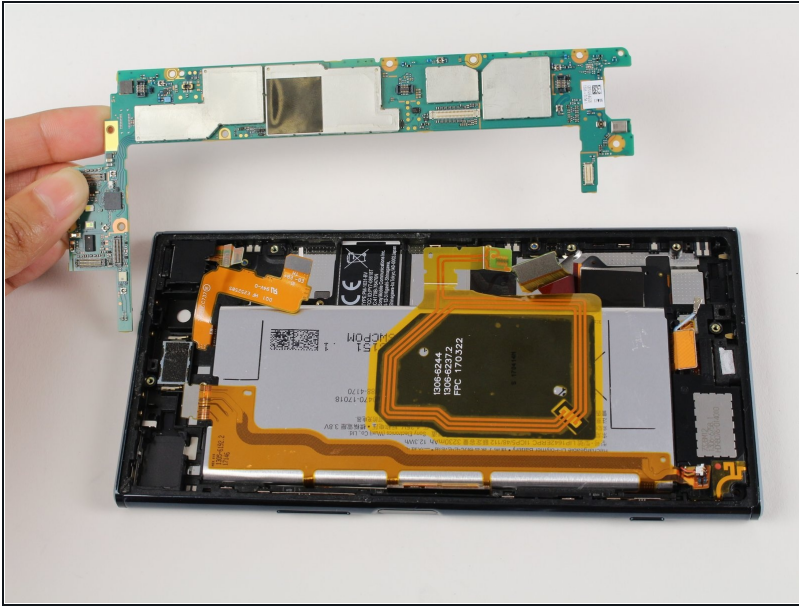
- Insert spudger in the gap above the battery and lift to loosen the motherboard.
- Use the spudger to slide under the edges of the motherboard if the motherboard does not seem to loosen after the above step.

Step 21



- Insert the spudger in the gap between the motherboard and the left side of the battery to further lift out the motherboard.

Step 22



- Grab hold of the motherboard with your fingers and lift it out of the phone gently.

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