



OnePlus 6T Motherboard Replacement

How to replace a OnePlus 6T motherboard.

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INTRODUCTION

This guide will show how to replace the motherboard of your OnePlus 6T. Make sure to use the correct tools and to be careful after removing the back cover of the device.

TOOLS:

- [iOpener](#) (1)
 - [Plastic Cards](#) (1)
 - [Tweezers](#) (1)
 - [Jimmy](#) (1)
 - [Hairdryer or Heat tool](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
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Step 1 — Back Cover



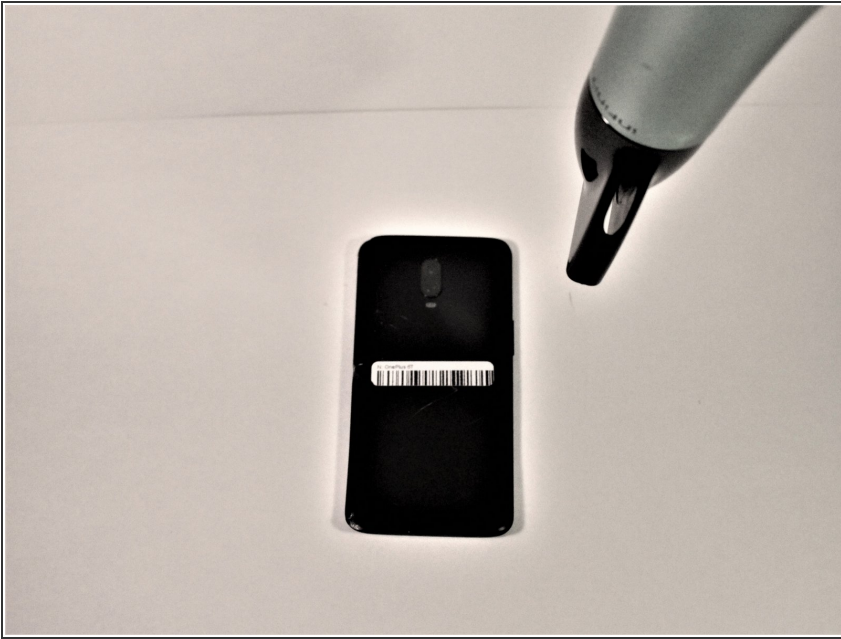
- Make sure the phone is powered off and placed with the back cover facing towards you on a stable surface.

Step 2



- Pop open the SIM card tray by inserting a SIM card removal tool into a small hole on the upper-left side of the phone.
- Carefully remove the SIM card from its tray.

Step 3



- Loosen the binding glue within the phone using a hairdryer or an [iOpener](#).
- ⓘ If you choose to use a hairdryer, hold the dryer at least eight inches from the phone and apply heat for two minutes in a circular motion around the edges of the phone.

Step 4



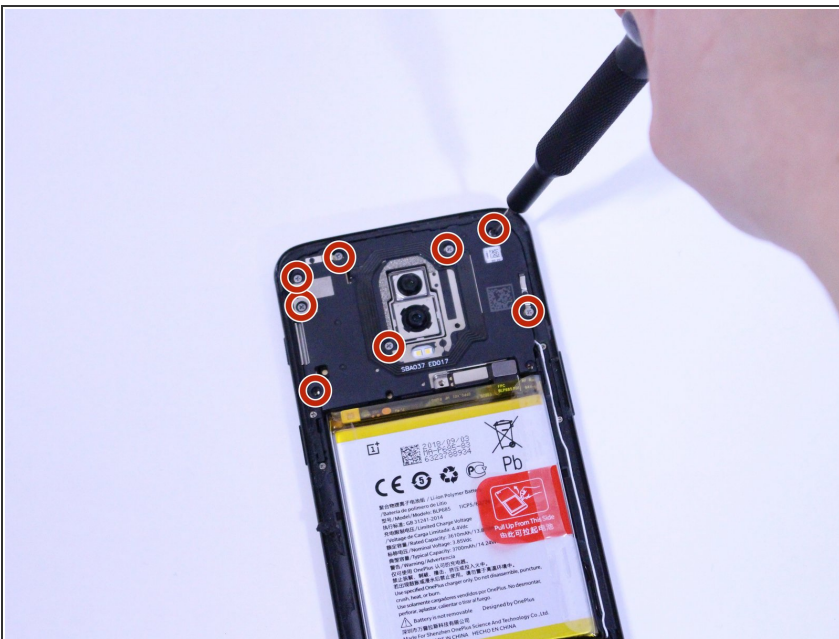
- Insert a Jimmy under one of the heated corners of the phone to lift it slightly.
- Insert a plastic card underneath the slightly lifted lip on the back cover and gently glide the card under the lifted phone casing.
- ⓘ There will be a small amount of tension, but this is normal as the card is removing the adhesive within the phone.
- Remove the back cover from the phone.

Step 5 — Front Camera



- Remove the single 3mm Phillips #00 screws holding the metal battery cover on the phone.
- Use tweezers to remove the battery cover and place it to the side.

Step 6



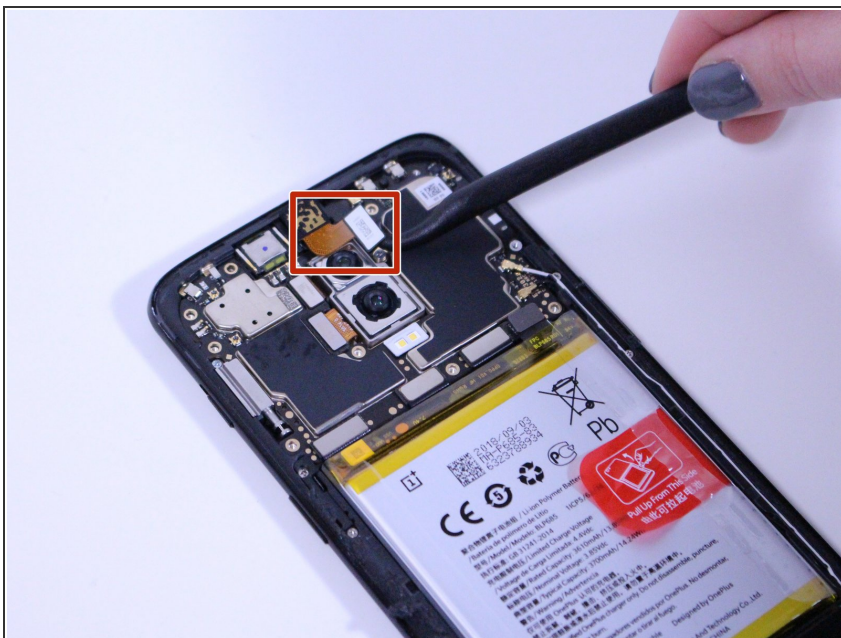
- Remove eight 3mm Phillips #00 screws that connect the midframe to the phone.

Step 7



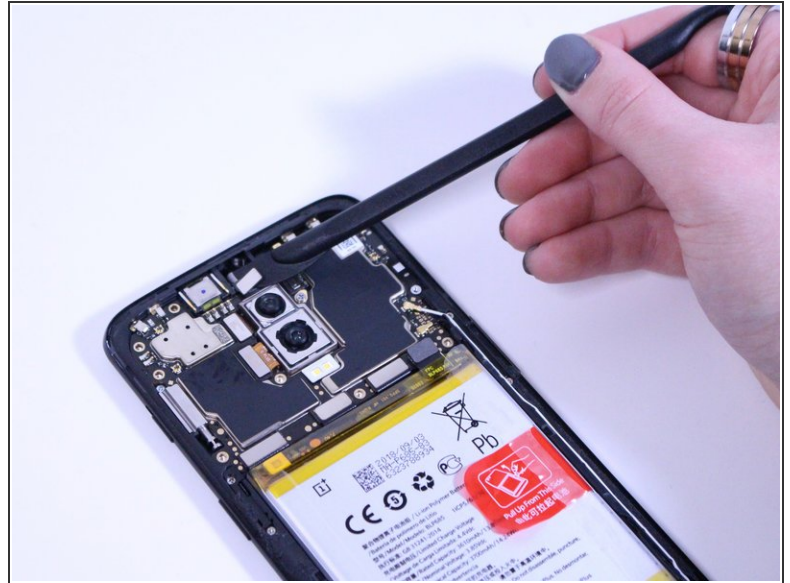
- Using a spudger, gently remove the midframe and place it to the side.

Step 8



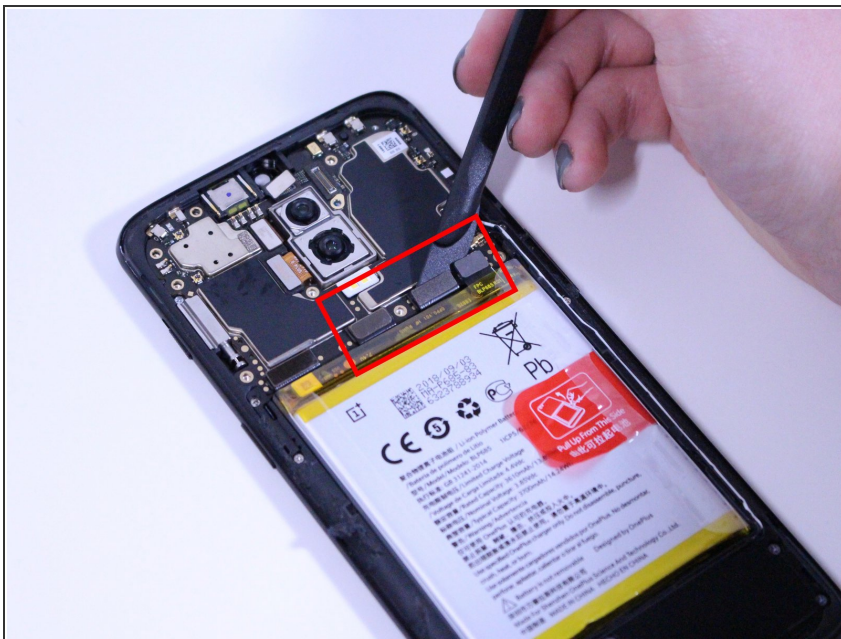
- Using a spudger, lift the light brown tab in the middle of phone to disconnect the front camera.
- Remove the front camera from the phone.

Step 9 — Motherboard



- Remove the single 3mm Phillips #00 screw to the right of the top rear camera.

Step 10



- Using a spudger, disconnect the charging port flex connector, the main flex connector, and the screen

flex connector at the bottom of the camera.

Step 11



- Use a spudger to disconnect the signal cables on the right side of the motherboard.

Step 12



- Disconnect the slider from the top of the phone with a spudger.
- ⚠ The slider is extremely delicate, so it is important you do not attempt to remove it from the sides.
- Gently pull the motherboard from the left side and remove it from the phone.

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