



Asus ZenFone 5 Touch Sensor Replacement

This guide will explain how to take out the touch sensor for the ZenFone 5.

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INTRODUCTION

The touch sensor on the ZenFone 5 is located on the back of the phone. Since it is used every time the phone is starting up, it is used very frequently and, since it comes into direct contact with the user very often, can run into issues with relative ease. The touch sensor will need to be replaced if it is not reading a fingerprint or is simply not working in the proper way.

This guide misses a step in disconnecting the touch sensor from the motherboard. If you do not reconnect the press fit connector for the fingerprint sensor during reassembly, it will not function.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Tweezers - Pro/ESD/Angled](#) (1)
- [iFixit Opening Tool](#) (1)
- [iFixit iOpener](#) (1)
- [Spudger](#) (1)
- [Jimmy](#) (1)

Step 1 — Battery



- Heat up the iOpener in the microwave for 30 seconds.

⚠ Caution: when the iOpener is heated up, hold it by the sides to prevent bodily harm.

Step 2



- Place the iOpener on the side of the phone until the iOpener gets cool (approximately 10-15 minutes).
- Reheat the iOpener and reapply it to the other side of the phone.

Step 3



- Gently slide the jimmy along the edges of the phone to break the adhesive.
- Use opening picks and the opening tool to pry the back cover off.

⚠ The use of metal tools as shown in the photos is potentially dangerous as the battery is exposed along the edges of the case and risk of puncture is high. Choose an ESD safe tool instead.

- ⓘ There are 6 different tabs on each side of the phone that might take force to get apart.
- Repeat the heating and prying process until the back cover can be fully removed.

Step 4



- Use the #00 phillips head to take out the six phillips #00 3.175mm screws on the top cover plate.
- Use the spudger to release the clasps along the edge of the top plate.

Step 5



- Disconnect the press fit connector located near the upper right corner of the battery to disengage the battery from the motherboard.

Step 6



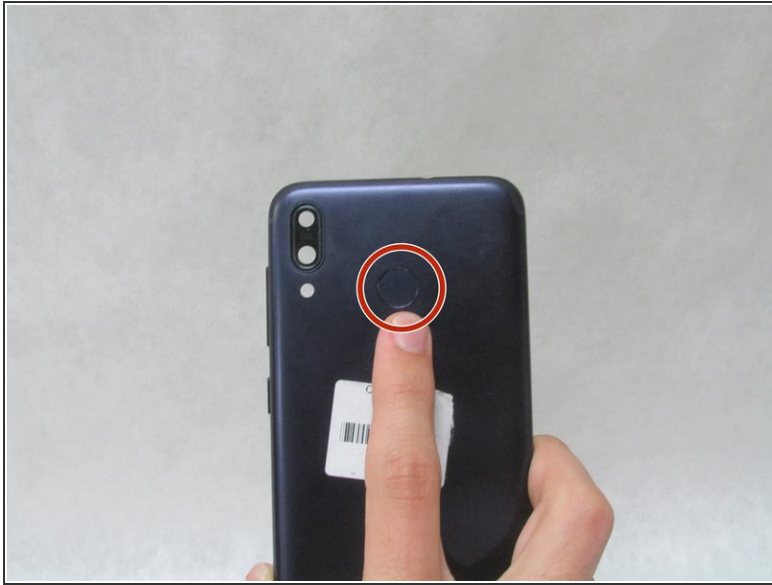
- Use the same screwdriver to remove the five phillips #00 3.96mm screws along the bottom plate.
- Use the spudger to pry the bottom plate off.

Step 7



- Pull on the two black tabs on the bottom of the battery until the battery is released.
- Gently pull the battery out of its socket.

Step 8 — Touch Sensor



- On the back shell of the phone, push with pressure on the touch sensor until it pops out.

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