



Asus Zenfone 3 Max Screen Replacement

This guide will demonstrate the replacement of the LCD screen and touch screen .

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INTRODUCTION

This guide will show you how to replace the LCD and touch screen of your Asus Zenfone 3 Max (Model identification: ZC520TL). You may need this guide if your screen display is damaged or if your screen is cracked and you want to replace it with a new one.

TOOLS:

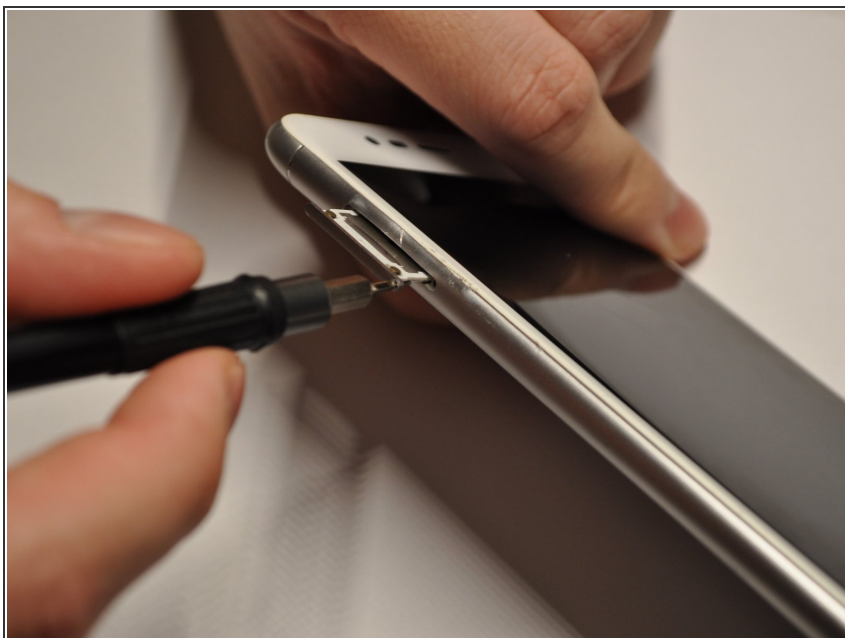
- [SIM Card Eject Tool](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Metal Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
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Step 1 — SIM card



- Locate the SIM card slot on the upper left side of your Asus Zenfone Max 3.

Step 2



- Use the iFixit 150mm Flex Extension with the Hex 0.7 bit or the SIM card eject tool.
- Stick the tool into the hole on the SIM card slot and open the slot with it.

Step 3



- Pull out the old SIM card all the way so it is no longer in the phone.

Step 4 — Back cover



- Using an iFixit opening tool, gently wedge the tool between the phone and the back casing.
- Move the opening tool up and down to pry the back off of the device.

Step 5



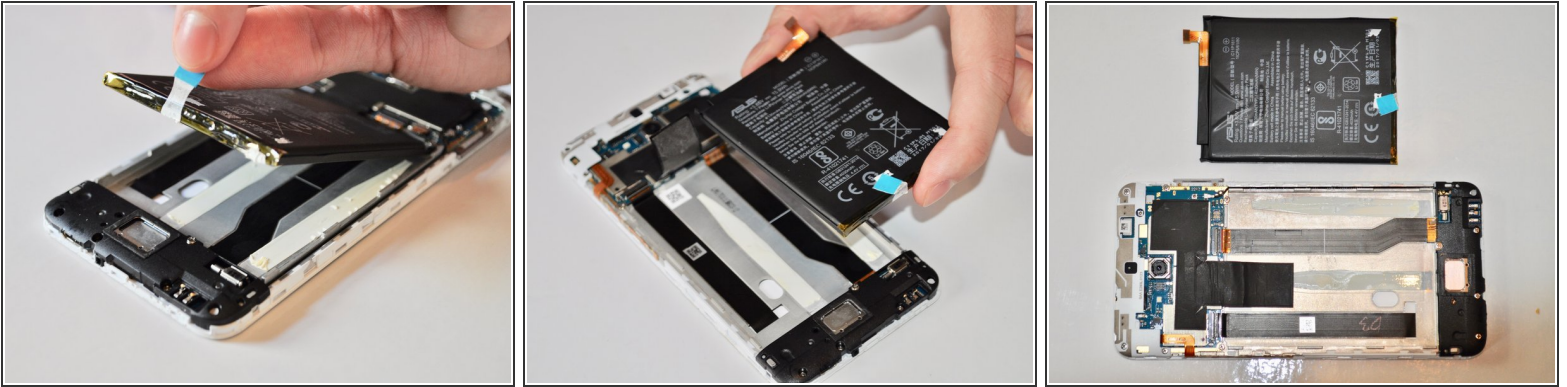
- ✦ Once the original cover has been removed, apply the new cover to the back of the phone with careful pressure.

Step 6 — Battery



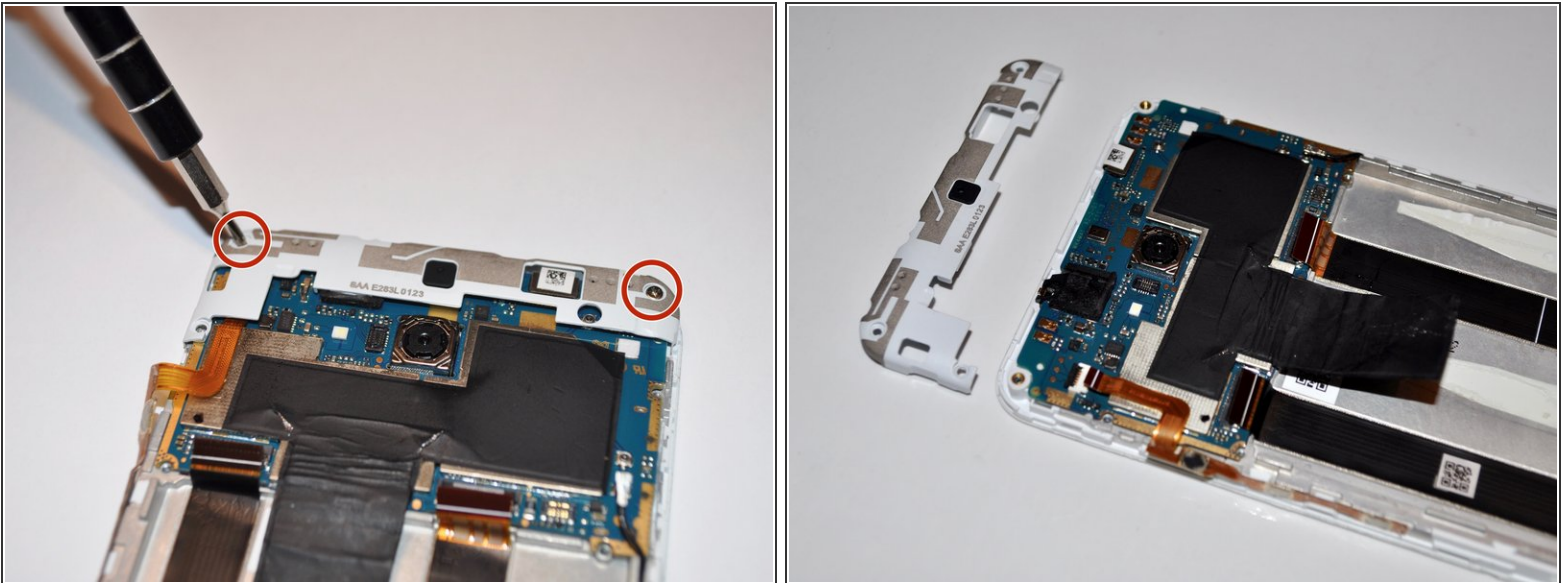
- Gently disconnect the gold connection cable indicated by the red circle in the corresponding picture.
- Pull back on the black adhesive tab that is adhered to the top of the battery. Tab removal is marked in the corresponding picture with a orange circle.
- ⓘ Once the gold connection cable and black adhesive tab are no longer connected to the battery, the battery can be removed.

Step 7



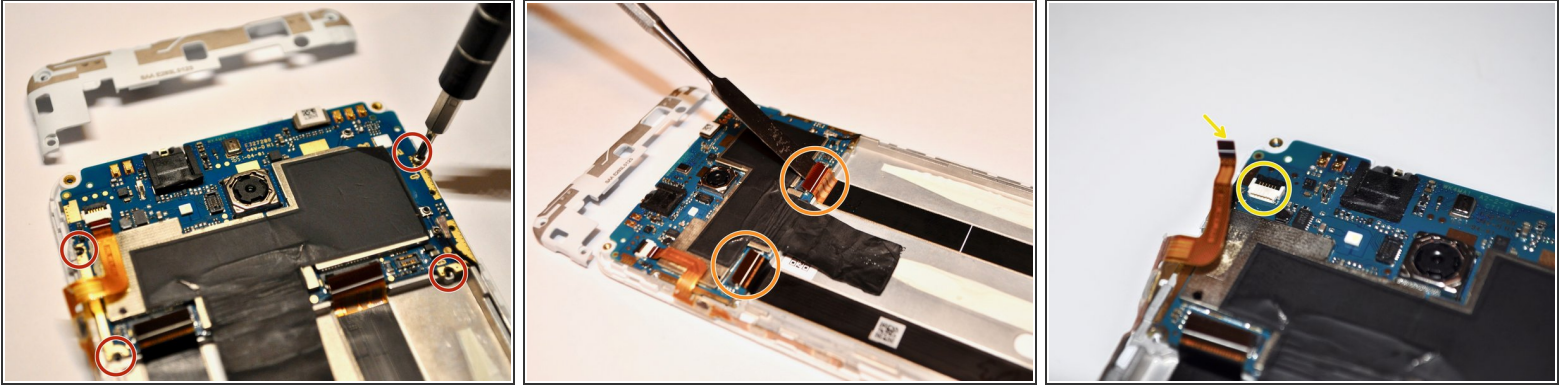
- Next, remove the battery by gently pulling on the blue removal tab located at the bottom of the device battery.
- Completely remove existing device battery.

Step 8 — Motherboard



- Remove the two 2.5mm Phillips #0 screws located in the upper corners of the device indicated with red circles.
- After both screws have been removed, detach the white plastic internal panel completely from the device.

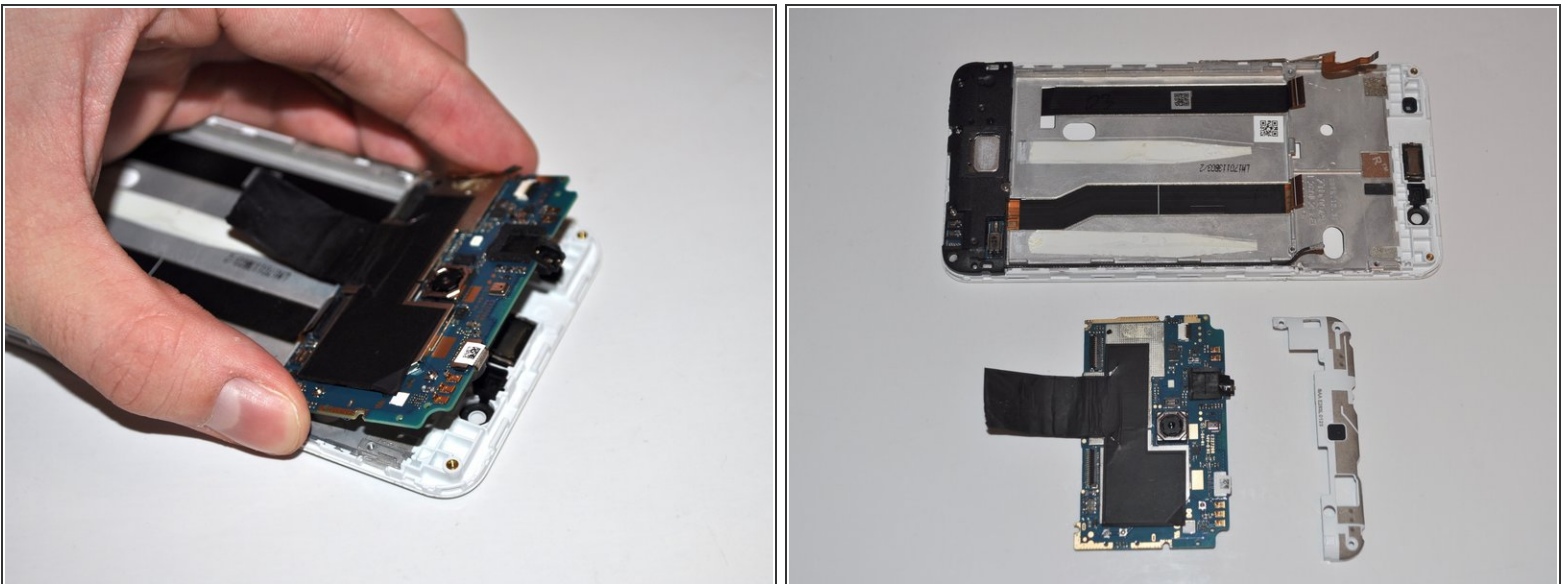
Step 9



- Next, remove the **four** 2.5mm Phillips #0 screws surrounding the motherboard component.
- Following the removal of all four screws, carefully detach the **two** device cables at the bottom of the motherboard component using the nylon spudger.
- Next, disconnect the remaining component cable using the same technique described in the previous step.

⚠ Metal spudgers should not be used on internal components, they are not ESD safe.

Step 10



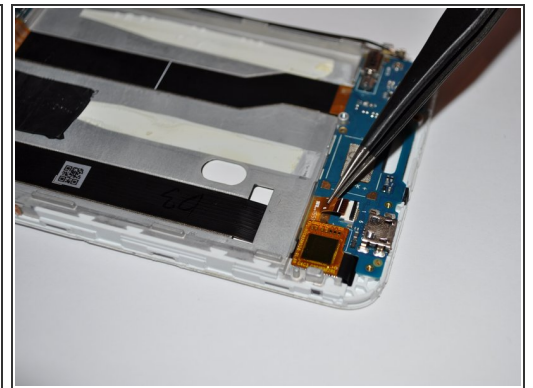
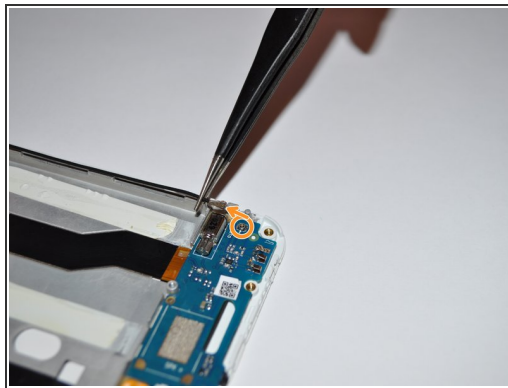
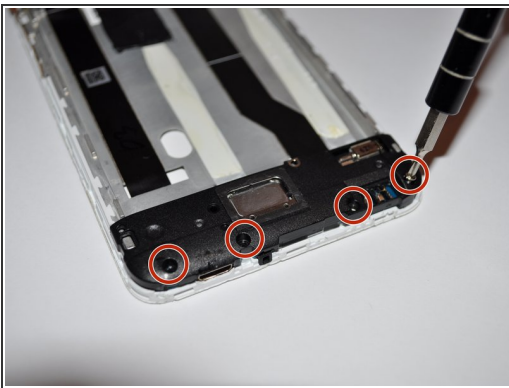
- Carefully grip the motherboard and gently lift and remove it from the internal device casing.

Step 11 — Screen



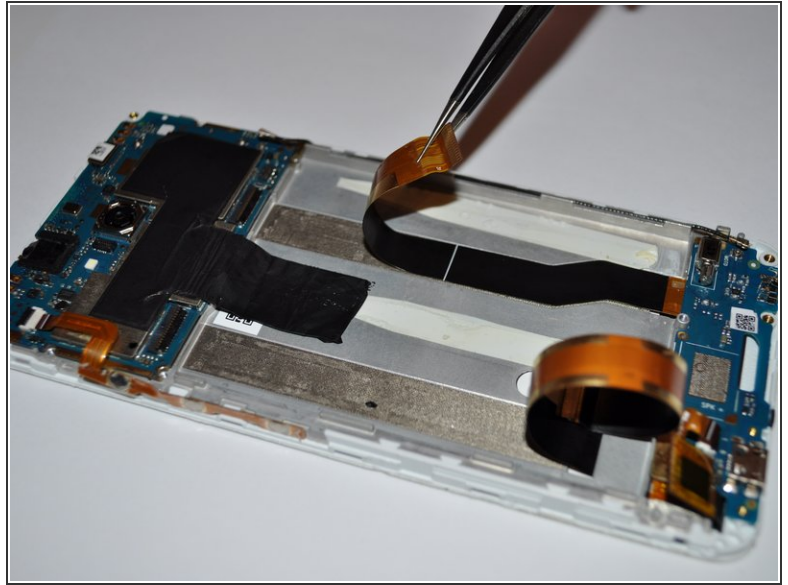
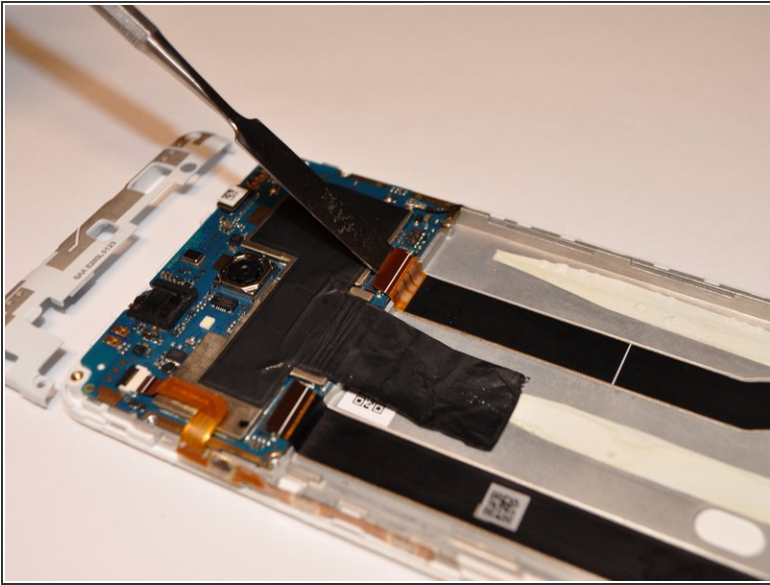
- Remove the SIM card tray fully. Refer to [SIM card replacement guide](#) for steps.
- Refer to the [back cover replacement guide](#) to remove the back cover fully.
- Refer to the [battery replacement guide](#) to remove the battery.

Step 12



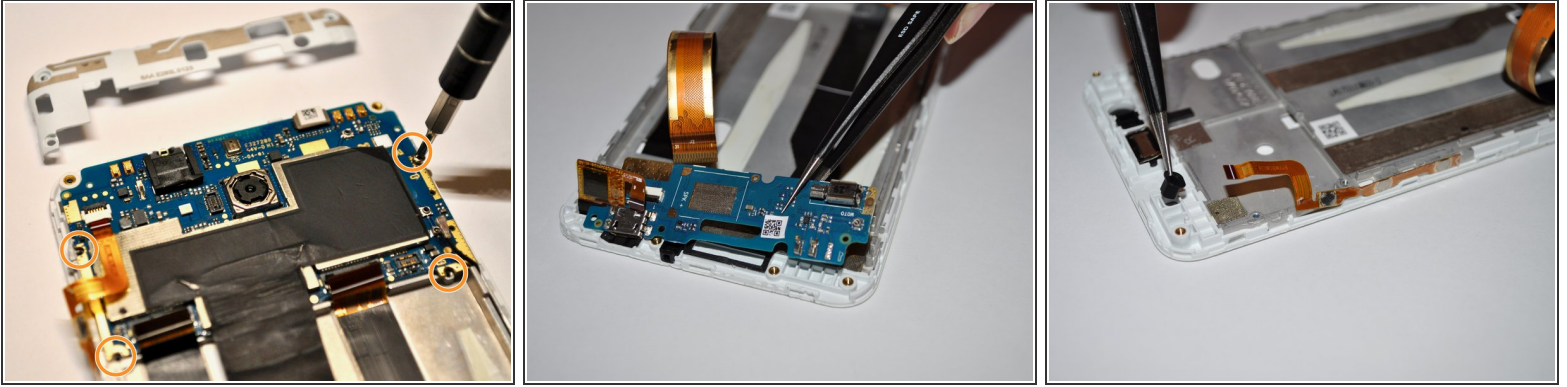
- Remove the **four** 2.5mm Phillips #0 screws at the bottom near the speaker and take the small black plastic cover off.
- Starting at the bottom, disconnect the antenna (long black wire).
- Disconnect the tan component.

Step 13



- Starting from the top of the phone, disconnect the black screen flex cable (the one that is rectangular). Peel it all the way back.
- Again starting from the top of the phone, disconnect the charging port flex cable (the other black cable) and microphone button. Peel it all the way back.

Step 14



- Remove the **four** 2.5mm Phillips #0 screws that hold the motherboard and remove the motherboard. Follow our [motherboard replacement guide](#).
- Remove the (blue) daughterboard. The charging port flex cable will come with it.
 - Be careful when removing the daughterboard. It is thin and adhered very solidly to the screen.
- Move the rubber piece (denoted with orange circles) from the old port to your new LCD assembly.

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