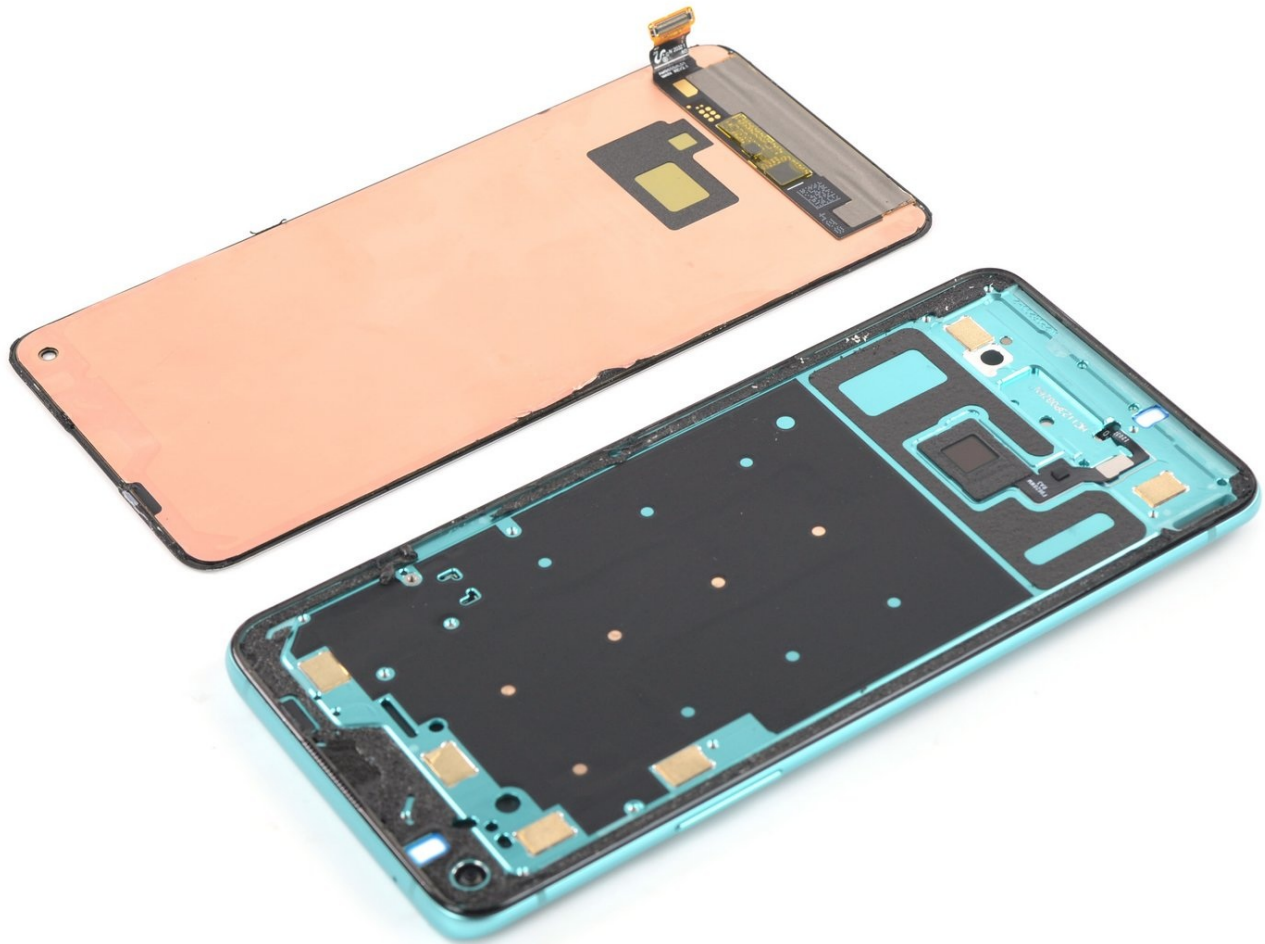




OnePlus 8T Screen Replacement

Use this guide to replace a cracked or broken...

Written By: Adriana Zwink



INTRODUCTION

Use this guide to replace a cracked or broken screen on your OnePlus 8T.

If the frame is deformed, it's important to replace it to make sure the new screen will mount correctly and won't suffer damage from uneven pressure.

Before disassembling your phone, discharge the battery below 25%. The battery can catch fire and/or explode if accidentally punctured, but the chances of that happening are much lower if discharged.

Note: This guide instructs you to replace only the screen while leaving the original frame and motherboard in place. However, some replacement screens for this phone come pre-installed in a new frame (a.k.a. chassis), which requires a very different procedure. Make sure you have the correct part before starting this guide.

You'll need replacement adhesive to reattach components when reassembling the device.

TOOLS:

[SIM Card Eject Tool](#) (1)
[iOpener](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[Spudger](#) (1)
[Phillips #00 Screwdriver](#) (1)

PARTS:

[OnePlus 8T Screen](#) (1)
[Tesa 61395 Tape](#) (1)

Step 1 — Step 1 Remove the SIM tray



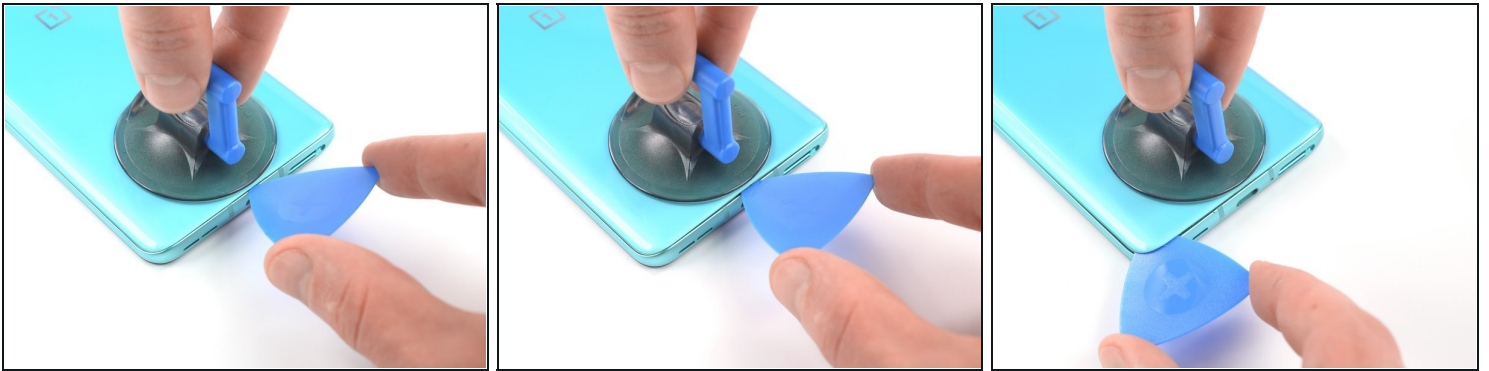
- Before you begin, switch off your phone
- Insert a SIM eject tool or a paperclip into the small hole on the SIM card tray on the bottom right edge of the phone.
- Press firmly to eject the tray
- Remove sim card tray

Step 2 — Heat the rear glass



- Switch off your phone.
- [Heat an iOpener](#) to loosen the adhesive beneath the rear glass. Apply the iOpener for at least two minutes. You might want to repeat this step several times during the rear glass removal.
- ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the AMOLED display and internal battery are both susceptible to heat damage.

Step 3 — Create a gap



- Apply a suction cup to the back of the phone, as close as possible to the center of the bottom edge.
 - ① If the back cover is cracked, the suction handle may not stick. Try [lifting it with strong tape](#), or superglue the suction handle in place and allow it to cure so you can proceed.
- Pull on the suction cup to create a gap between the rear glass and the frame.
- Insert the tip of an opening pick into the gap and slide it to the bottom left corner.
- Leave the opening pick in its place to prevent the adhesive from resealing.

Step 4 — Slice the adhesive



- Insert a second opening under the bottom left corner.
- Slide the opening pick along the bottom edge to the bottom right corner.
- Leave the pick in its place to prevent the adhesive from resealing.

Step 5 — Slice the adhesive



i If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) to reheat it.

- Insert a third opening pick under the bottom right corner.
- Slide the opening pick along the right edge to the top right corner.
- Leave the opening picks in their place to prevent the adhesive from resealing.

Step 6 — Slice the adhesive



- Insert a fourth opening pick under the top right corner.
- Slide it along the top edge to the top left corner to cut the adhesive.
- Leave the opening pick in its place to prevent the adhesive from resealing.

Step 7 — Slice the remaining adhesive



- Insert a fifth opening pick under the top left corner.
- Slide the opening pick along the left edge to the bottom left corner to cut the remaining adhesive.

Step 8 — Remove the rear glass



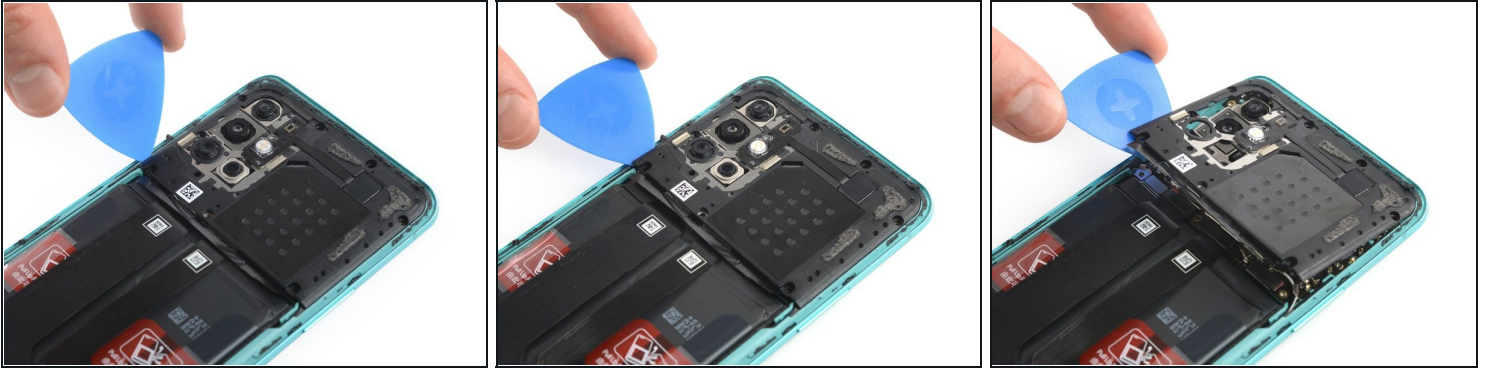
- Remove the rear glass.
- ★ After installing the back cover, apply strong, steady pressure to your phone for several minutes to help the adhesive form a good bond—a stack of heavy books works well.

Step 9 — Unscrew the motherboard cover



- Use a Phillips screwdriver to remove the nine 3.8 mm-long screws securing the motherboard cover.

Step 10 — Unclip the motherboard cover



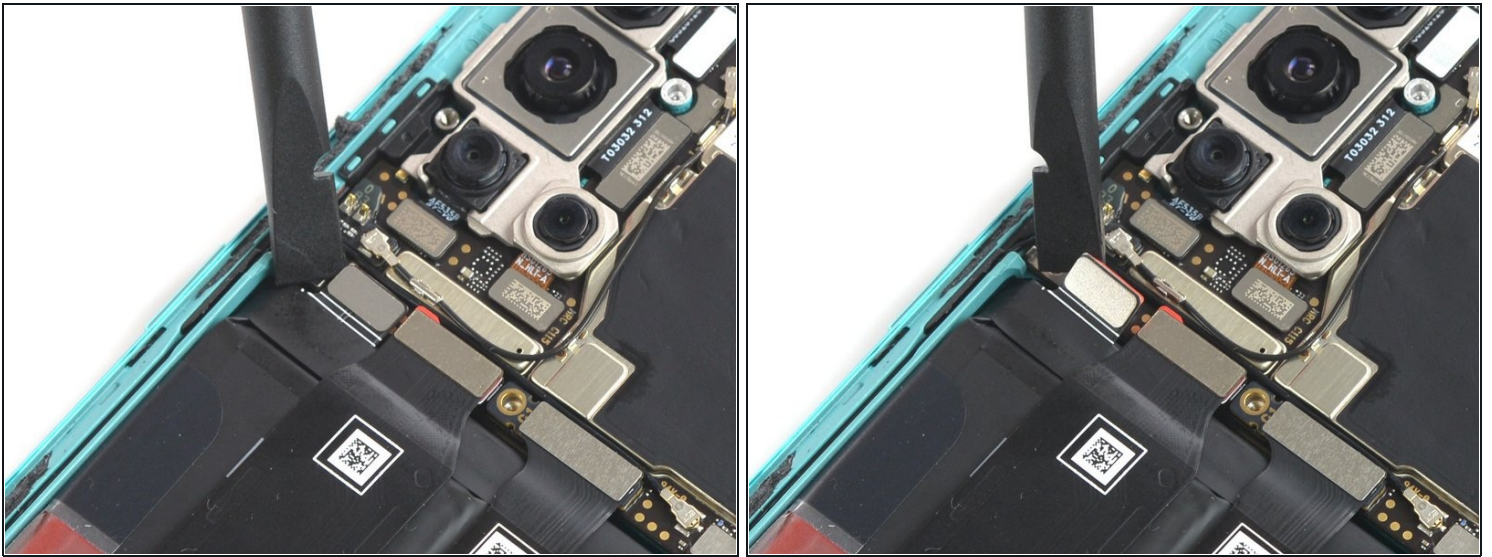
- Insert the tip of an opening pick under the bottom left corner of the motherboard cover.
- Use the opening pick to lift the motherboard cover up and release the plastic clips that hold it in place.

Step 11 — Remove the motherboard cover



- Remove the motherboard cover.

Step 12 — Disconnect the battery



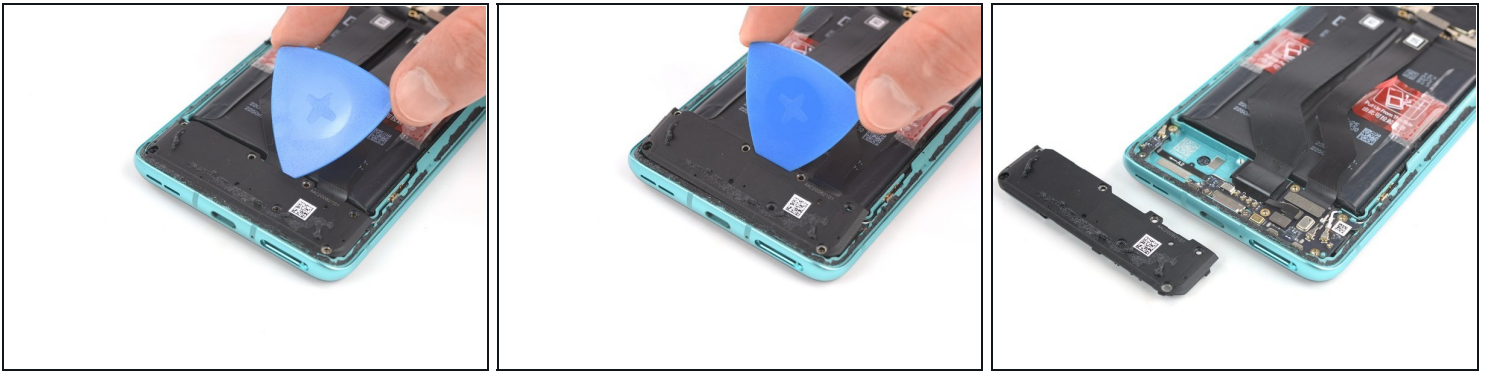
- Use a spudger to disconnect the battery by prying the connector straight up from its socket.

Step 13 — Unscrew the daughterboard cover



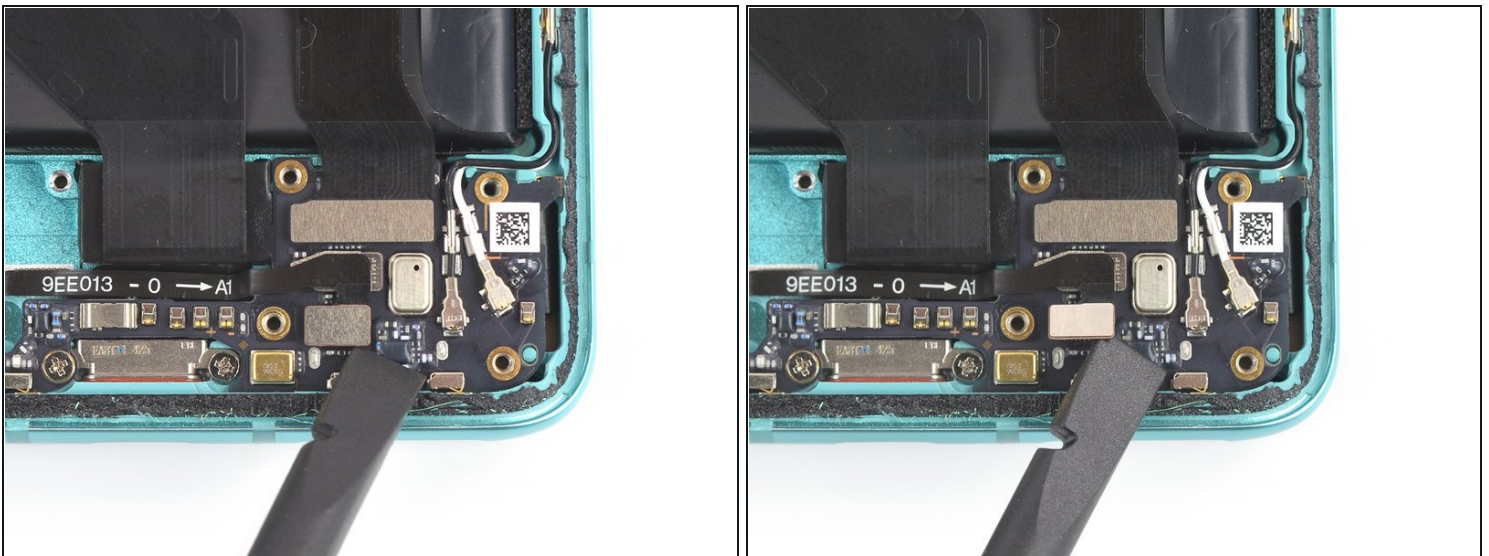
- Use a Phillips screwdriver to remove the seven 3.8 mm-long screws securing the daughterboard cover.

Step 14 — Remove the daughterboard cover



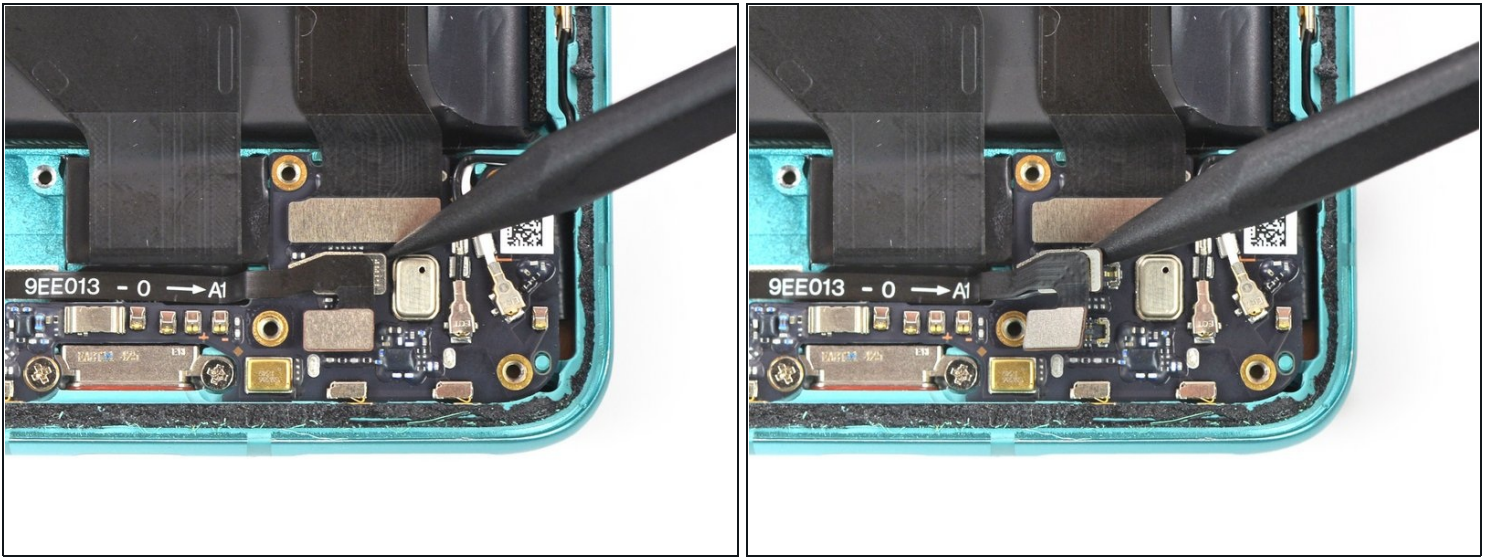
- Insert the tip of an opening pick under the top edge of the daughterboard cover.
- Use the opening pick to lift the motherboard cover up and release the plastic clips that hold it in place.
- Remove the daughterboard cover.

Step 15 — Disconnect the fingerprint sensor



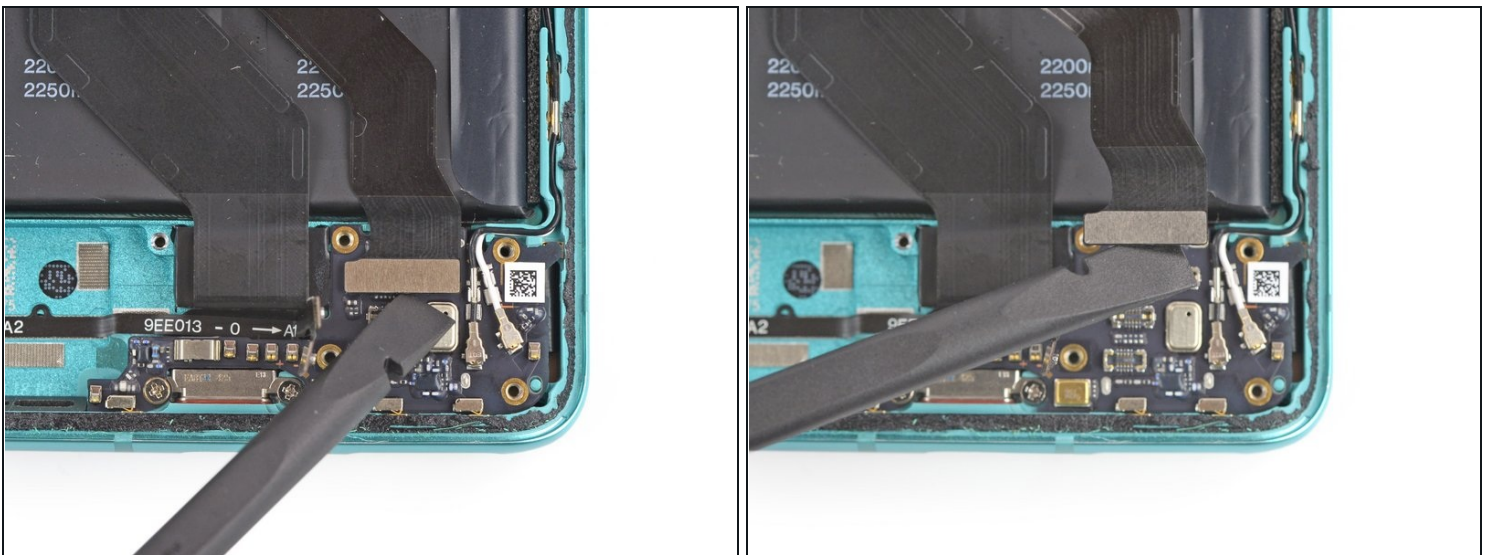
- Use a spudger to disconnect the first fingerprint sensor connector by prying it straight up from its socket.

Step 16 — Disconnect the fingerprint sensor



- Use a spudger to disconnect the second fingerprint sensor connector by prying it straight up from its socket.

Step 17 — Disconnect the interconnect cable



- Use a spudger to disconnect the interconnect cable by prying the connector straight up from its socket.

Step 18 — Disconnect the antenna cables



- Carefully disconnect the two antenna cables by prying them straight up from the daughterboard.

Step 19 — Unscrew the daughterboard



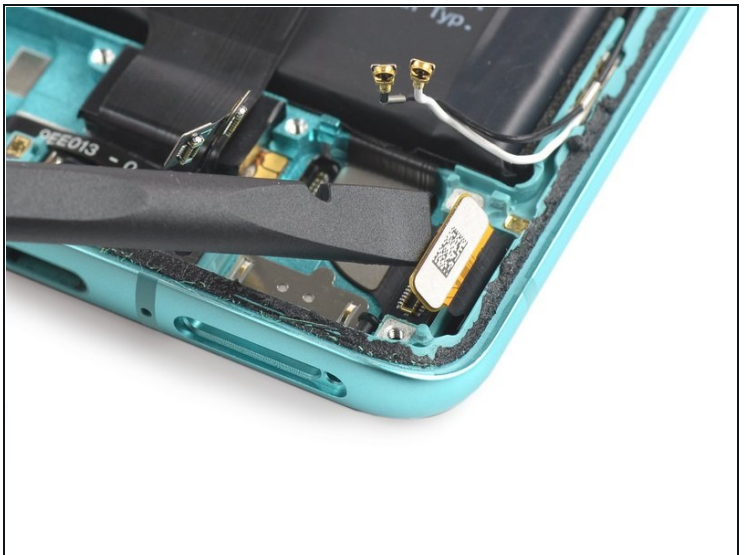
- Use a Phillips screwdriver to remove the 3.1 mm-long screw securing the daughterboard.

Step 20 — Separate the daughterboard



- Use an opening pick to pry up the daughterboard.
- Use your fingers to separate the daughterboard from the phone assembly.

Step 21 — Disconnect the screen



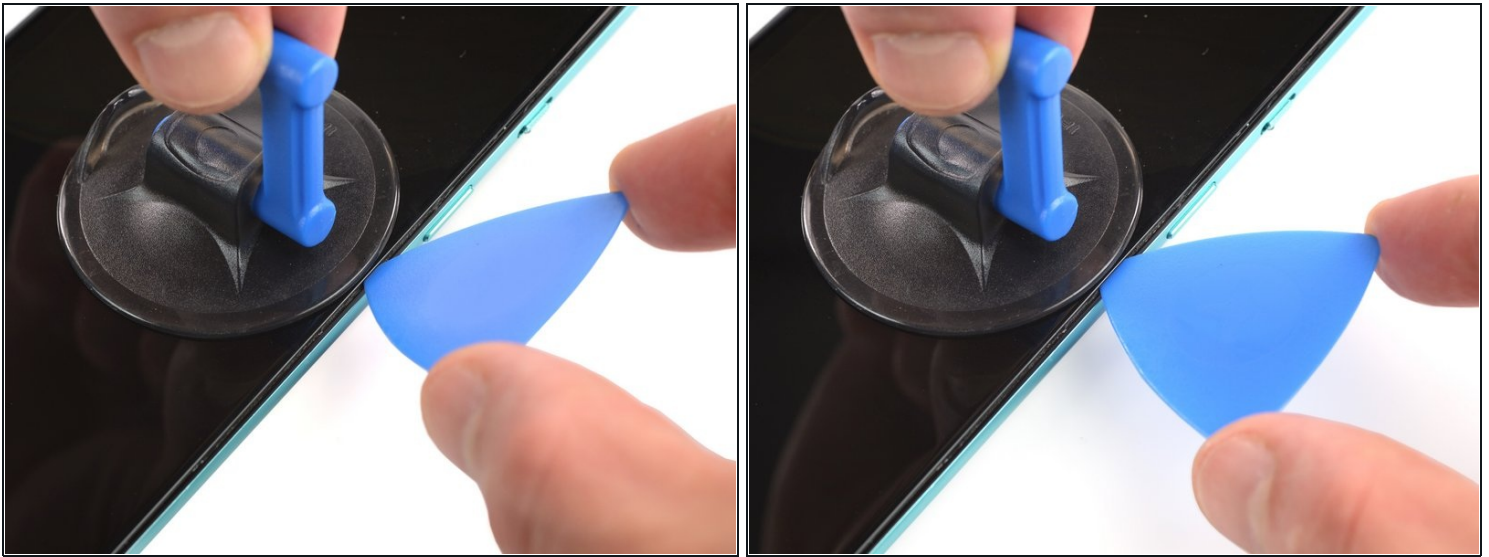
- Use the flat edge of a spudger to pry up and disconnect the screen connector from its socket at the frame.

Step 22 — Heat the screen



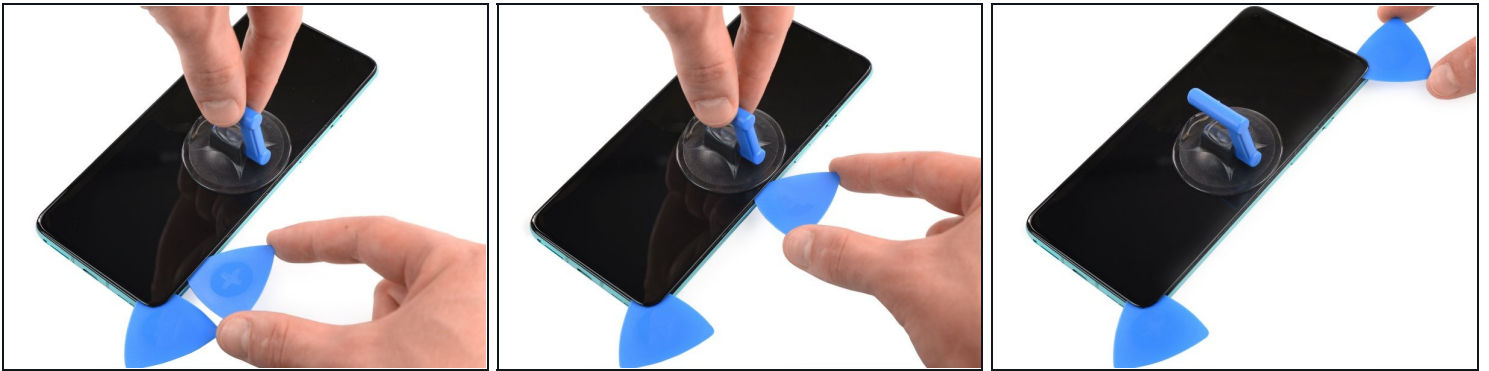
- [Heat an iOpener](#) and apply it to the screen for two minutes.
- ① A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are both susceptible to heat damage.

Step 23 — Create a gap



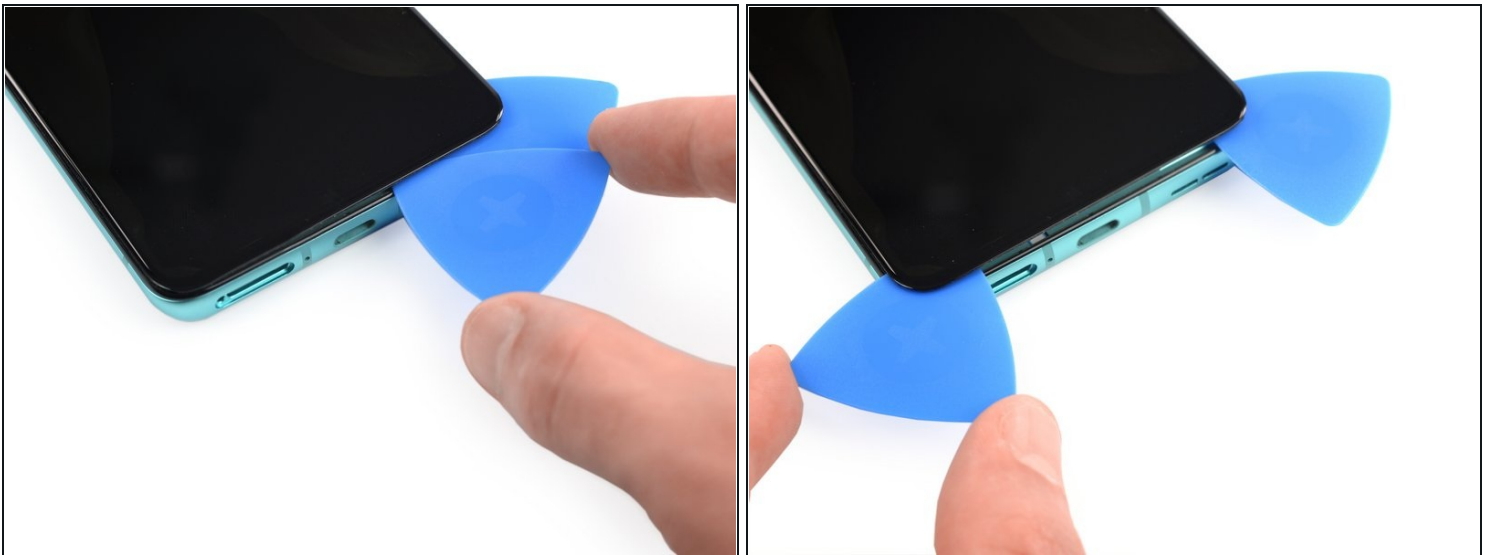
- Apply a suction cup to the right edge of the screen.
 - ① If the phone's screen is cracked, the suction handle may not stick. Try [lifting it with strong tape](#), or superglue the suction handle in place and allow it to cure so you can proceed.
- Pull the suction cup up with strong, steady force to create a gap.
- Insert the point of an opening pick into the gap and slide it to the bottom right corner.
- Leave the opening pick in its place to prevent the adhesive from resealing.

Step 24 — Slice the adhesive



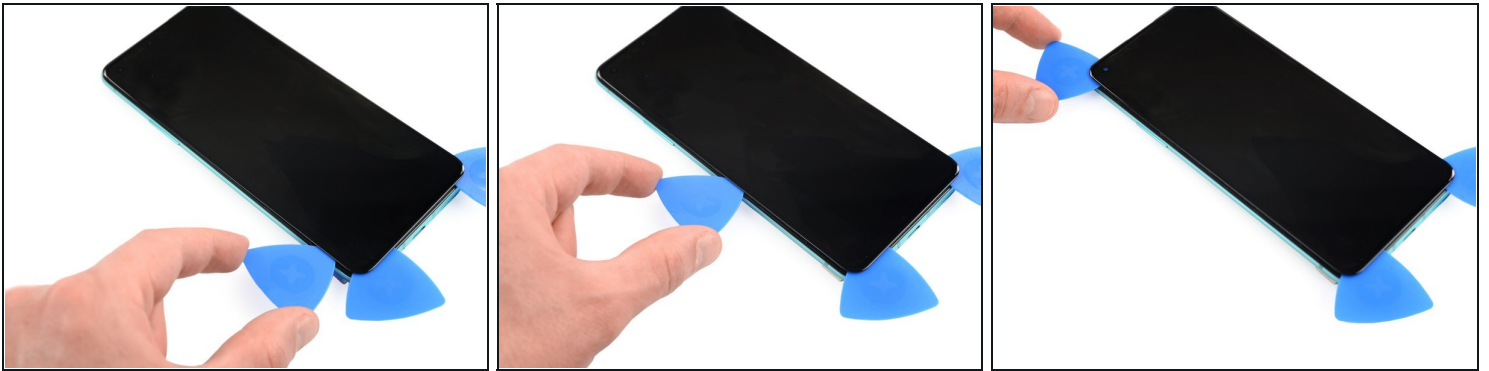
- Insert a second opening pick at the bottom right corner.
- Slide the opening pick along the right edge to the top right corner.
- Leave both opening picks in their place to prevent the adhesive from resealing.

Step 25 — Slice the adhesive



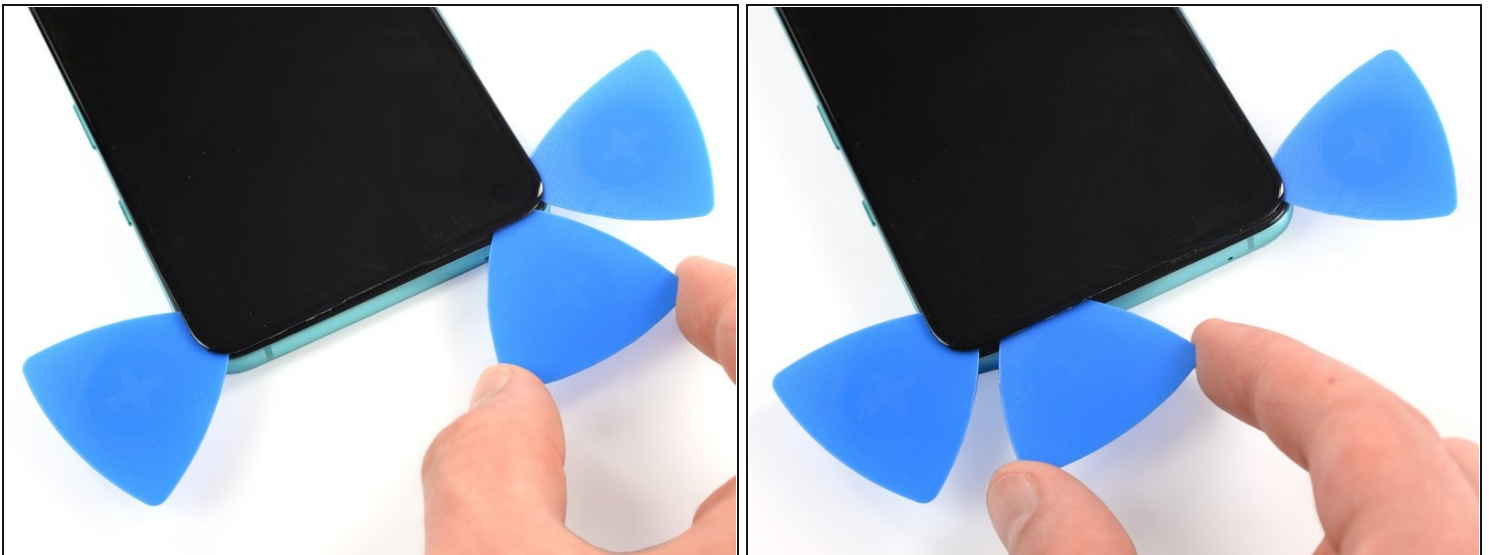
- Insert a third opening pick under the bottom right corner.
- Slide the opening pick along the bottom edge to the bottom left corner to slice the adhesive.
- Leave the pick in its place to prevent then adhesive from resealing.

Step 26 — Slice the adhesive



- Insert a fourth opening pick under the bottom left corner.
- Slide the opening pick along the left edge to the top left corner to slice the adhesive.
- Leave the pick in its place to prevent the adhesive from resealing.

Step 27 — Slice the adhesive



- Insert a fifth opening pick under the top left corner.
- Slide the opening pick along the top edge to the top right corner.
 - ❗ When you slice near the front facing camera, insert only the tip (5 mm) of the opening pick to avoid damaging the camera.

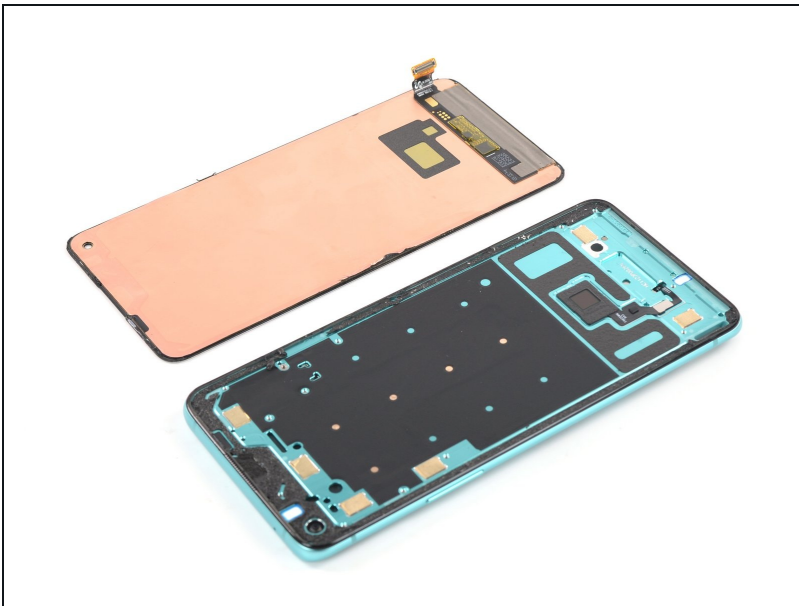
⚠ Do not remove the screen completely yet. The display cable is still threaded through the midframe.

Step 28 — Separate the screen



- Thread the display flex cable through the gap in the frame.

Step 29 — Remove the screen



- Remove the screen.
- ☑ During reassembly, [follow this guide](#) if you are using a pre-cut adhesive card.

If possible, turn on your device and test your repair before installing new adhesive and resealing.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow these instructions in reverse order. Apply new adhesive where necessary after cleaning the relevant areas with isopropyl alcohol (>90%).

The best way to secure the new screen is to apply a sheet of custom-cut double-sided tape to the back of the screen.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.