



OnePlus Nord Screen Replacement

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

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INTRODUCTION

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

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.

PARTS:

[OnePlus Nord Screen](#) (1)

Step 1 — Loosen the rear glass adhesive



- Switch off your phone.
 - [Heat an iOpener](#) to loosen the adhesive beneath the rear glass. Apply the iOpener for at least two minutes. If you have a heatbed with precise temperature control (like any FDM 3D printer with heatbed) 45°C is enough. 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 2 — Create a gap



- Apply a suction cup to the back of the phone, as close as possible to the center of the right edge.
- Pull on the suction cup to create a gap between the rear glass and the frame.
- Insert an opening pick into the gap.

Step 3 — Slice the adhesive



- Slide the opening pick along the edge to the bottom right corner.
 - Leave the opening pick in its place to prevent the adhesive from resealing.
- ❗ Once you have inserted an opening pick, feel free to remove the suction cup or continue to use it for a better grip during this process.

Step 4



- Insert a second opening pick under the bottom right corner.
 - Slide the opening pick along the edge to the top right corner.
- ❗ If you have trouble with cutting, you can use the [iOpener](#) again to soften the adhesive.
- Leave the opening pick in its place to prevent the adhesive from resealing.

Step 5



- Insert a third opening pick under the top right corner of the back cover.
- Slide the tip of the opening pick along the edge of the phone to the top left corner to cut the adhesive.
- Leave the opening pick in the top left corner to prevent the adhesive from resealing.

Step 6



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

Step 7



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

Step 8 — Remove the back cover



- Remove the back cover.
- ☑ 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 — Remove the motherboard cover



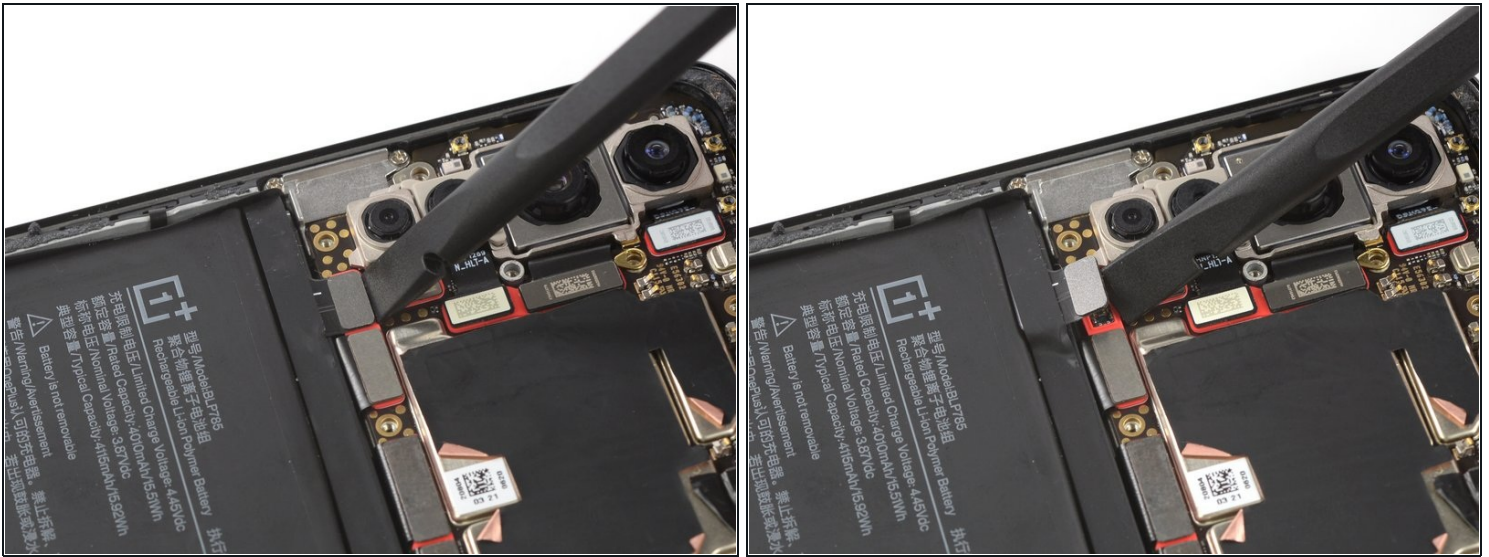
- Use a Phillips #00 screwdriver to remove the ten 3.6 mm-long screws from the motherboard cover.

Step 10



- Insert the tip of an opening pick under the motherboard cover.
- Use the opening pick to lift the motherboard cover up and release the plastic clips that holds the cover in its place.
- Remove the motherboard cover.

Step 11 — Disconnect the battery



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

Step 12 — Remove the daughterboard cover



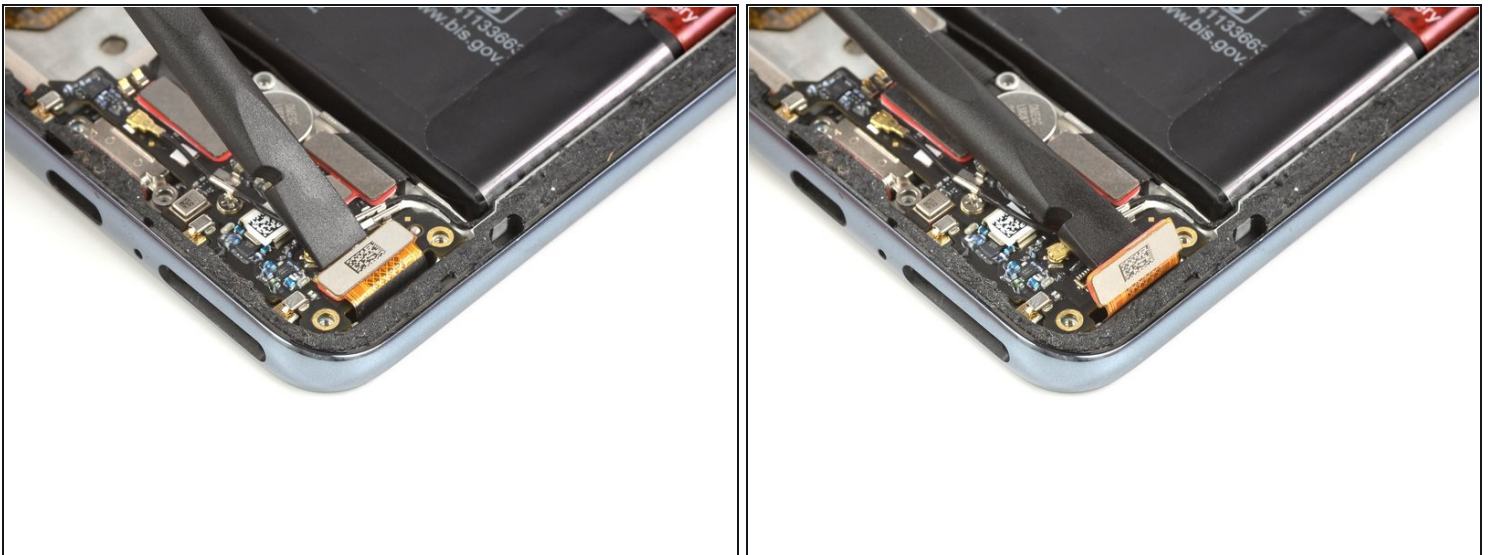
- Use a Phillips #00 screwdriver to remove the seven 3.6 mm-long screws.

Step 13



- Insert the tip of an opening pick under the daughterboard cover.
- Pry up to release the clips holding the daughterboard cover in place.
- Remove the daughterboard cover.

Step 14 — Disconnect the display connector



- Use the flat edge of a spudger to pry up and disconnect the display connector from its daughterboard socket.

Step 15 — Apply a heated iOpener



- Apply a [Heat an iOpener](#) to the screen for two minutes.
 - ⓘ 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 16 — Create a gap



- Apply a suction cup to the right edge of the display.
 - ⓘ 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 up the suction cup 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 17 — Slice the adhesive



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

Step 18



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

Step 19



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

Step 20



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

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

Step 21 — Remove the display



- Carefully thread the display cable through the frame.
- Remove the display.

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.