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Nexus 6P Display Replacement

Use this guide to remove and replace the...

Written By: Dominik Schnabelrauch

INTRODUCTION

Use this guide to remove and replace the display in your Nexus 6P smartphone.

To protect your eyes from glass shreds and get a better grip to open the phone you might want to apply some tape onto the screen.

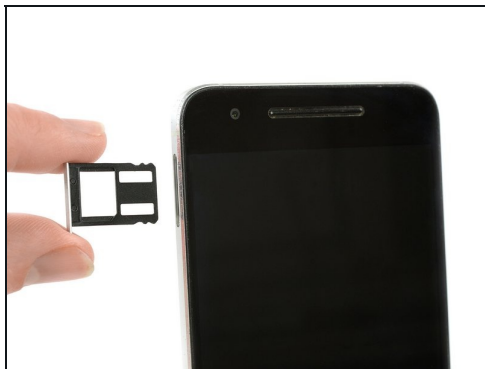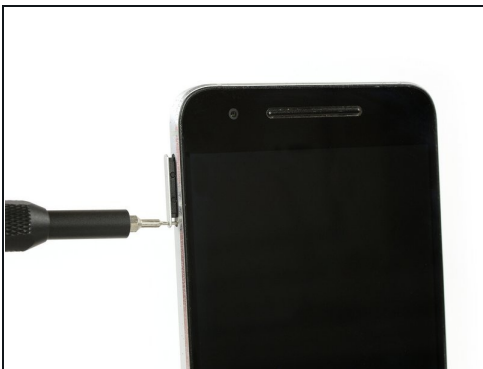When reassembling apply new adhesive where it is necessary.

🔧 TOOLS:

Spudger (1)
Phillips #000 Screwdriver (1)
Plastic Cards (1)
iOpener (1)
Technician's Razor Set (1)
Tweezers (1)
iFixit Opening Picks (Set of 6) (1)
iFlex Opening Tool (1)
Suction Handle (1)

⚙ PARTS:

Nexus 6P Screen (1)

Step 1 — Back Cover

⚠️ It is possible to remove the back cover with an iOpener as seen in this guide but it's a lengthy and difficult procedure. We recommend a heat gun or something similar. The adhesive in the Nexus 6P is extremely sticky and especially the glass and plastic cover on the backside break or bend most of the time whilst doing this repair.

- Use a SIM card eject tool, to pop out and remove the SIM card tray.

- Use an iOpener to loosen the adhesive underneath the small plastic cover at the bottom of the phone.

Step 2

⚠ The knife is really sharp. Take care, not to cut yourself or your phone.

- Insert a knife between the phone and the plastic cover. Pry up the plastic cover until you can insert an opening pick.

- Slide the opening pick underneath the plastic cover to cut the adhesive.

Step 3

- [Use an iOpener](#) to loosen the adhesive underneath the glass cover at the top of the phone.

- Insert a knife between the phone and the glass cover. Pry up the glass cover until you can insert an opening pick.

Step 4

⚠ Glass may break. Wear protective glasses and protective gloves.

- Slide the opening pick underneath the glass cover and use it to cut the adhesive underneath.

- Pry off the glass cover.

Step 5

- Remove the six Phillips #00 screws.
  - Use tweezers to remove any stickers covering the screw to allow better seating for the driver.
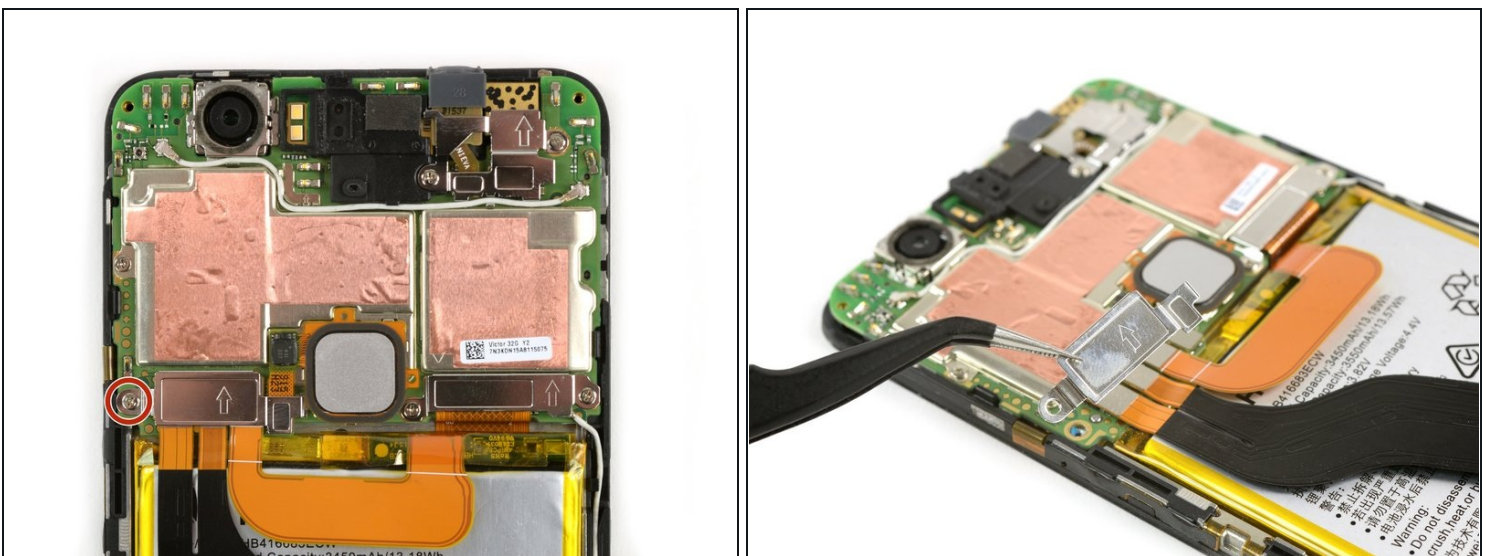
Step 6

- Insert a razor knife between the metal back cover and the front glass to create a gap. Insert an opening pick into the gap and slide it to the top right corner.

  ⚠ The knife is really sharp, be careful, not to cut yourself or your phone.

- Insert a second opening pick and slide it to the top left corner.

- Slide the opening picks along the edges to seperate the plastic clips, holding back cover and midframe together.

- Remove the rear cover.

Step 7 — Battery

- Unscrew the Phillips #00 screw.

- Use tweezers to remove the metal plate.

Step 8

- Use the flat end of a spudger to disconnect the three flex cables.

Step 9

- Use the flat end of a spudger to disconnect the interconnect cable from the daughterboard.

- [Use an iOpener](#) to loosen the adhesive under the battery.

Step 10

⚠ Warning: do not insert the spudger or plastic card too deep underneath the battery. The display cable runs underneath the battery.

ⓘ Scroll down to the next step to see where the cable is.

- Insert the flat end of a spudger as deep as the notch and carefully slide along the edge to cut the adhesive...

- Use a [plastic card](#) to cut the remaining adhesive on the left side underneath the battery.
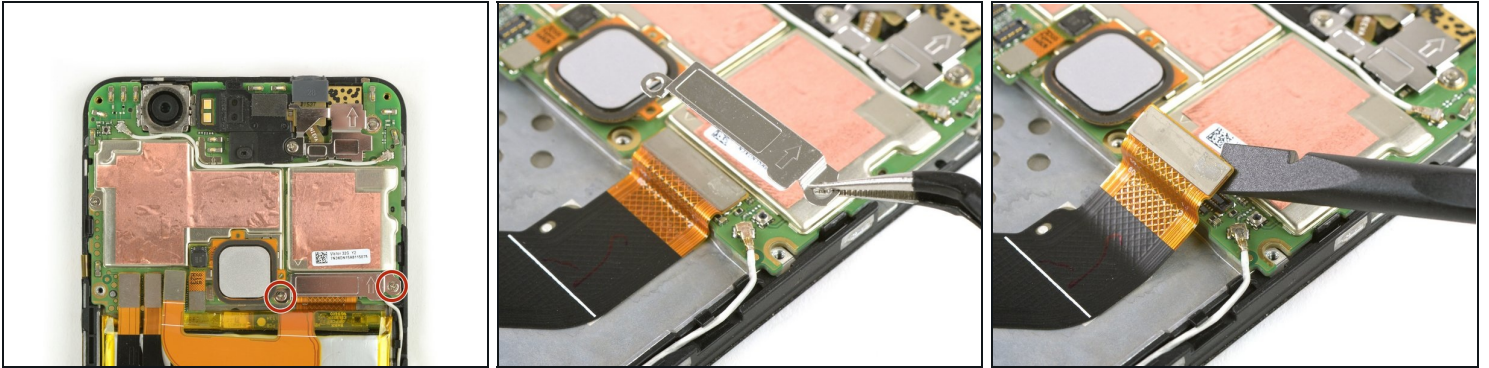
Step 11

- Remove the battery.

Step 12 — Display

- Remove the two Philipps #000 screws.

- Remove the metal plate.

- Use the flat end of a spudger to disconnect the display flex cable.

Step 13

- [Use an iOpener](#) to loosen the adhesive under the display.

Step 14

- Work an iFlex opening tool between the display and the midframe to create a gap.

- Insert an opening pick into the gap and carefully slide it to the top right corner.

- Insert a second opening pick and move it to the top left corner.

Step 15

- Slide the opening pick from the top left corner down the left side of the smartphone to the bottom left corner.

Step 16

ⓘ If the adhesive felt hard to cut, reheat it with your iOpener.

- Slide the opening pick from the top right around the corner and down along the side to the lower right.

- Move it around the corner and towards the charging port to separate the rest of the adhesive.

Step 17

- When all the adhesive is cut, separate the display from the midframe at the top of the phone.

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

- Remove the display.

To reassemble your device, follow these instructions in reverse order. When reassembling your phone apply new adhesive where it is necessary.