



Nexus 6P Battery Replacement

Use this guide to replace the battery in your...

Written By: Dominik Schnabelrauch



INTRODUCTION

Use this guide to replace the battery in your Nexus 6P smartphone. When reassembling apply new adhesive where it is necessary.

If your battery is swollen, [take appropriate precautions](#).

TOOLS:

Spudger (1)

Plastic Cards (1)

iOpener (1)

Technician's Razor Set (1)

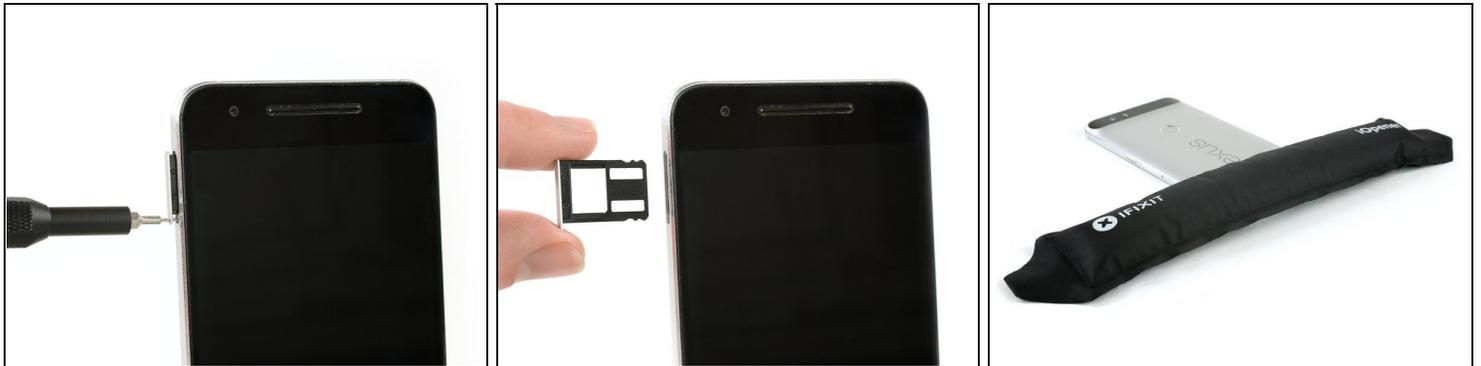
Tweezers (1)

iFixit Opening Picks (Set of 6) (1)

Phillips #00 Screwdriver (1)

SIM Card Eject Tool (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



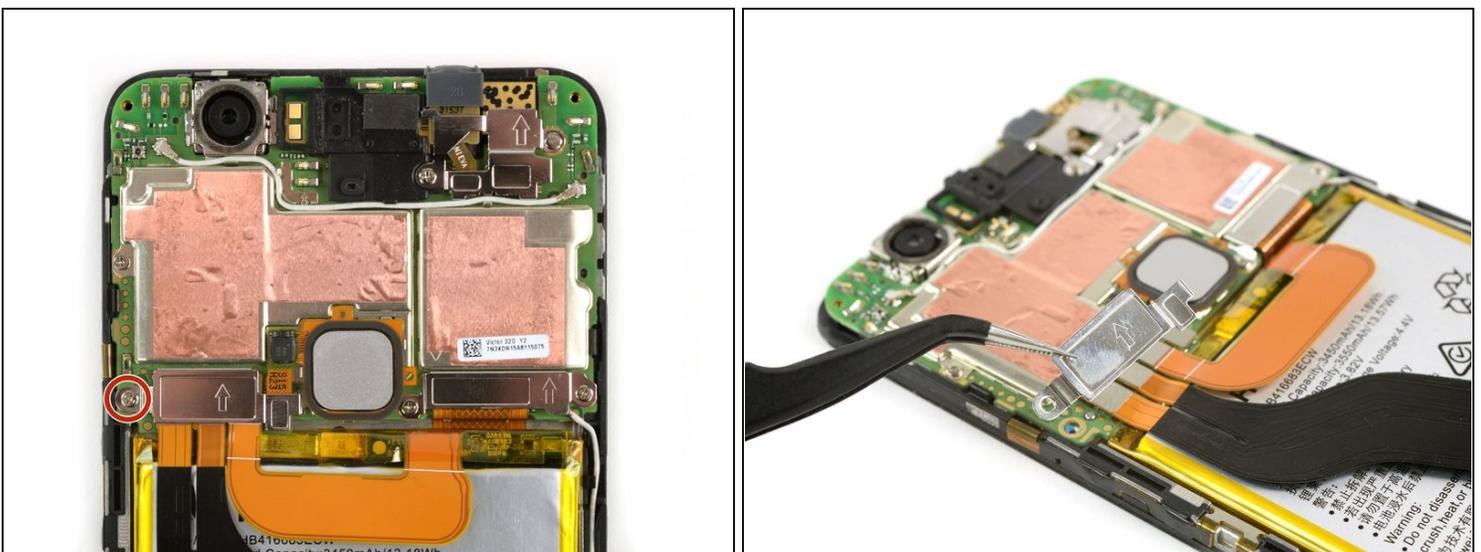
- Remove the six Phillips #00 screws.
- Use tweezers to remove any stickers covering the screw to allow better seating for the driver.

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 separate 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.

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

After completing this guide, [calibrate your newly-installed battery](#).