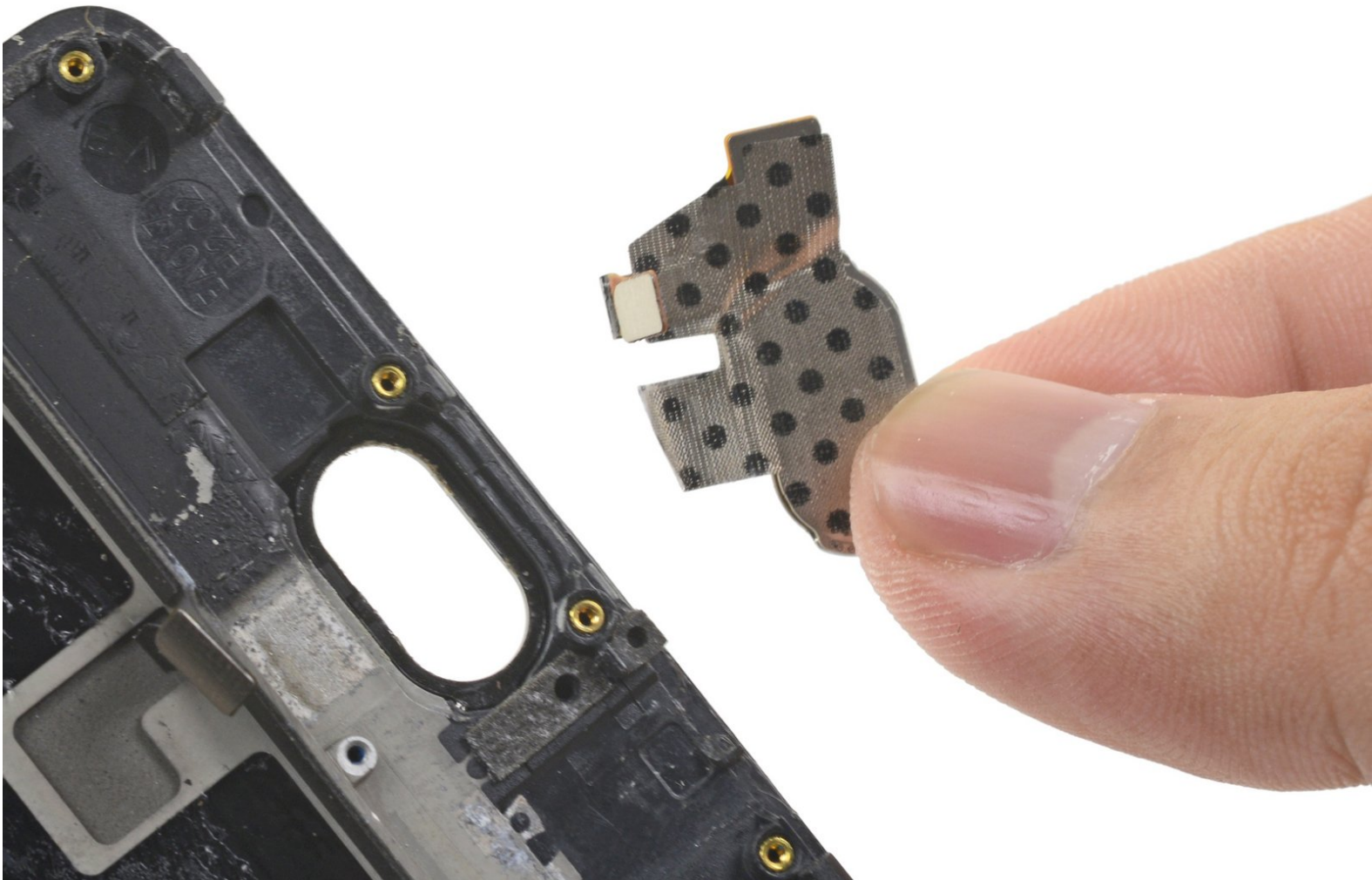# OnePlus 3 Fingerprint Scanner Replacement

Follow this guide to remove or replace the fingerprint scanner/home button for the OnePlus 3.

Written By: Arthur Shi

# INTRODUCTION

This guide shows how to remove and replace the fingerprint scanner/home button for the OnePlus 3. This requires removing the daughterboard. The hardest part of the guide is getting the frame clips free.
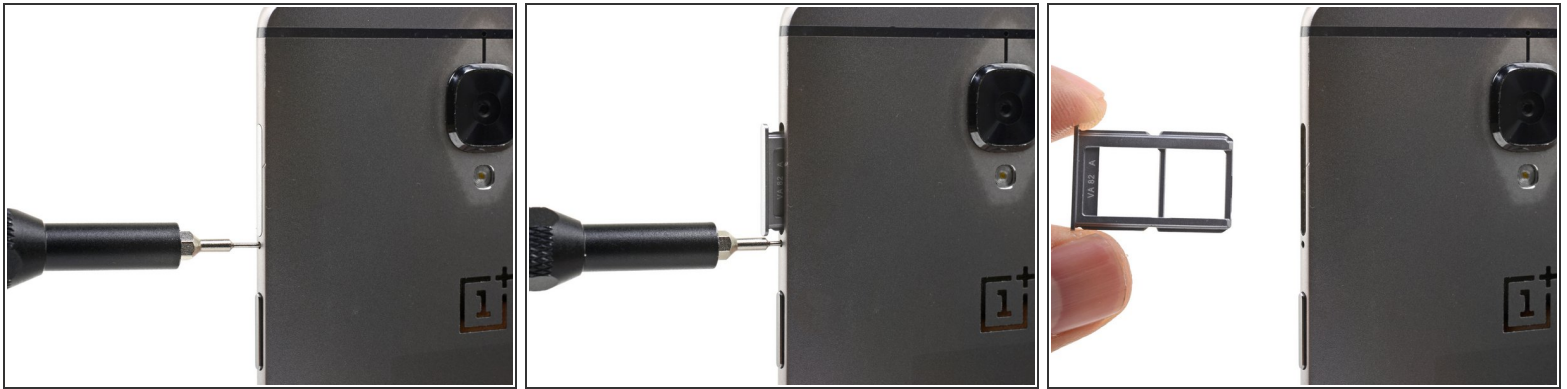
*Some guide images will show the battery and an interconnect flex cable already removed from the phone. You do not need to remove these for the fingerprint scanner procedure.*

## 🔧 TOOLS:

- SIM Card Eject Tool (1)
- T2 Torx Screwdriver (1)
- Suction Handle (1)
- Spudger (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)

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## Step 1 — SIM Card Tray



- Insert a SIM eject tool, bit, or straightened paperclip into the hole located between the SIM card slot and the power button.

- Press firmly to eject the SIM card tray.

- ⭐ During reinstallation, make sure that the SIM card tray is properly oriented. It fits in only one direction.

## Step 2 — Back Cover



- Remove the two 2.6 mm T2 screws from the bottom edge of the phone.

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## Step 3



⚠️ **There is a high risk of damaging the display panel if this opening procedure is improperly followed.**

ⓘ The following three steps show how to pry the rear case from the plastic frame. Read through the steps first before attempting the procedure.

⚠️ There are two different seams between the screen and the body of the phone:

- *Display panel seam*: This seam is part of the display assembly. **Do not pry** at this seam, or you will separate and damage the display panel.

- *Frame seam*: This is where the plastic frame meets the back cover. It is recessed into the back cover. **Only pry at this seam.**

- There are fourteen clips that hold the frame against the rear case. Be aware of their location as you pry the back cover off in the following steps.

## Step 4



ⓘ As you work, try not to accidentally power on the phone. If you do, turn the phone off before resuming disassembly.

- Place a suction cup near the bottom edge of the display.

- Pull on the suction cup with strong steady force.

- Press the edge of an opening tool straight into the frame seam near the suction cup until the edge wedges between the plastic frame and the back cover's lip.

    ⓘ Due to tight tolerances, this will take substantial force. Using a new opening tool with an unmarred edge will help with this step.

- ⚠ Do not use metal tools, as they will most likely crack the screen.

## Step 5



- Once the opening tool's edge is wedged in position, carefully slide the tool along the bottom edge of the phone.

- Carefully guide the opening tool around the left corner of the phone while keeping the tool's edge within the seam.
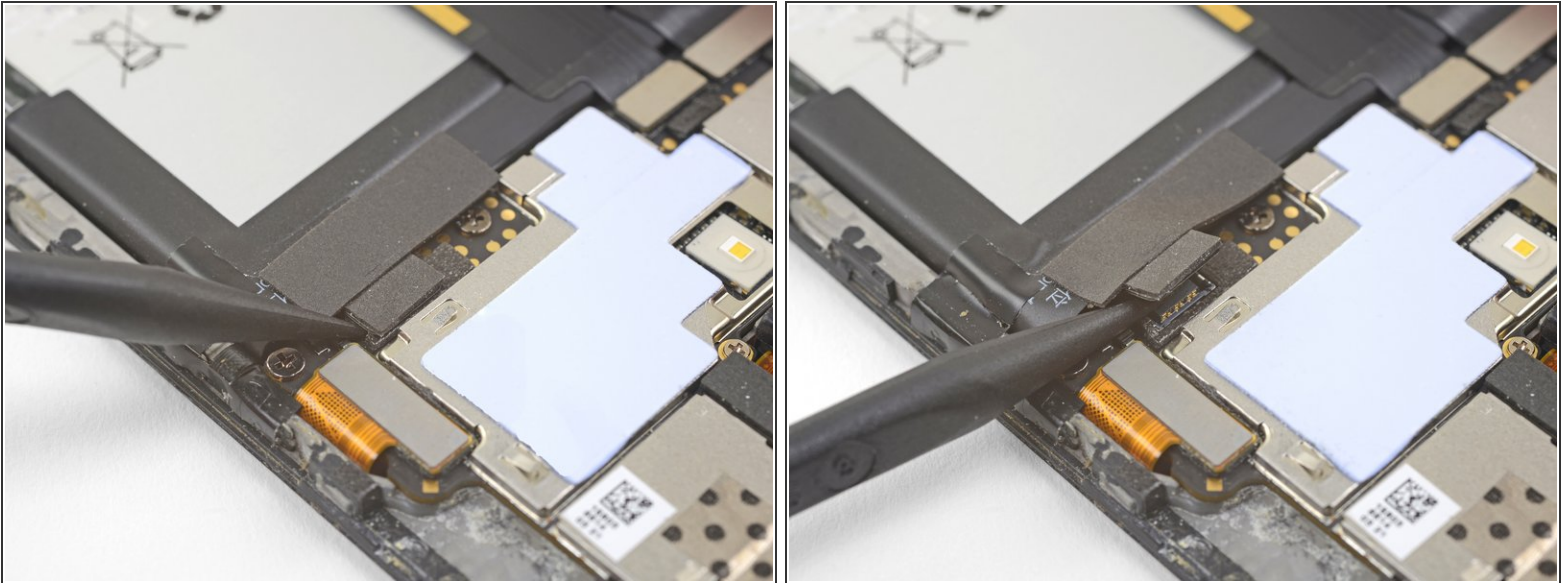
## Step 6



- Continue sliding the opening tool along the long edge, releasing the clips along the way.

- ⓘ The last clip in the top-left corner near the alert switch is recessed and can be difficult to release. Take your time and use the flat end of a spudger or an opening pick to help.

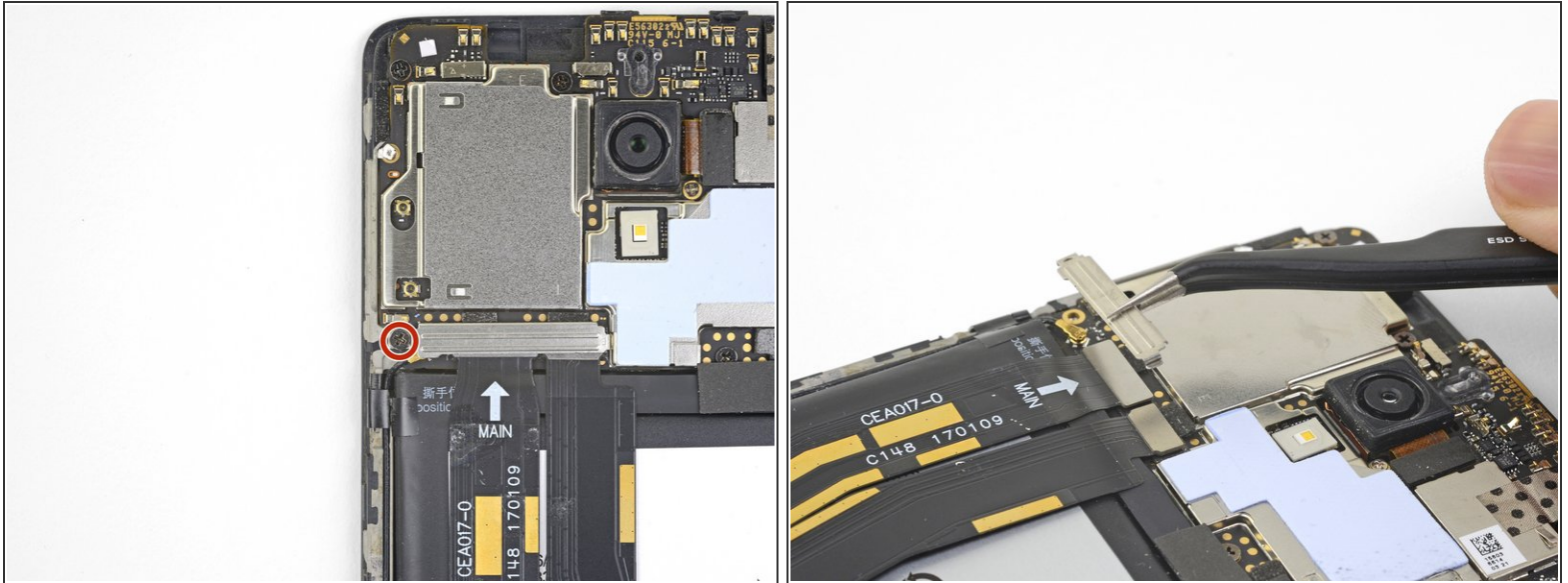This document was generated on 2020-11-28 05:32:36 AM (MST).

## Step 7



- With the bottom and left edge of the phone freed, gently wiggle the frame to release the top and right edge clips.

- Lift the screen up and remove it.

- 📌 During reassembly, pause here to test your phone's functionality before securing the back cover.

- 📌 To reinstall the back cover:

  - [Align the top edge of the frame](#) to the back cover and ensure that the top clips slip into place.

  - [Squeeze along the long edges of the phone](#) to snap the remaining clips into place.

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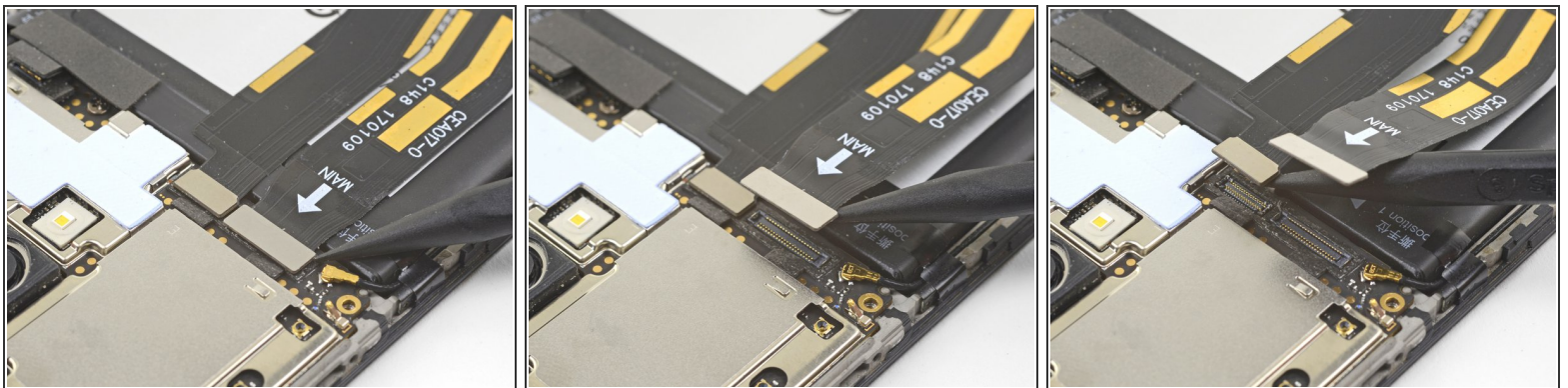
## Step 8 — OnePlus 3 Battery Disconnect



- Use the point of a spudger to pry up and disconnect the battery connector from its socket, located above the top right corner of the battery pack.

- Bend the connector away from the socket to prevent accidental contact.

- ⓘ To re-attach press connectors like this one, carefully align and press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is misaligned, the pins can bend, causing permanent damage.

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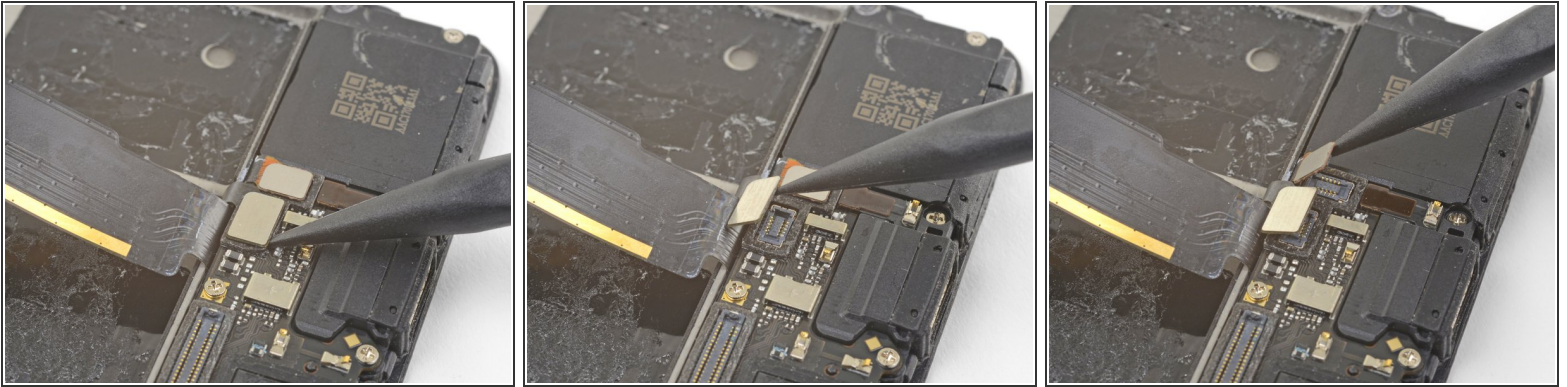## Step 9 — OnePlus 3 Interconnect Cable Disconnect



- Remove the 3 mm Phillips screw securing the cable bracket.

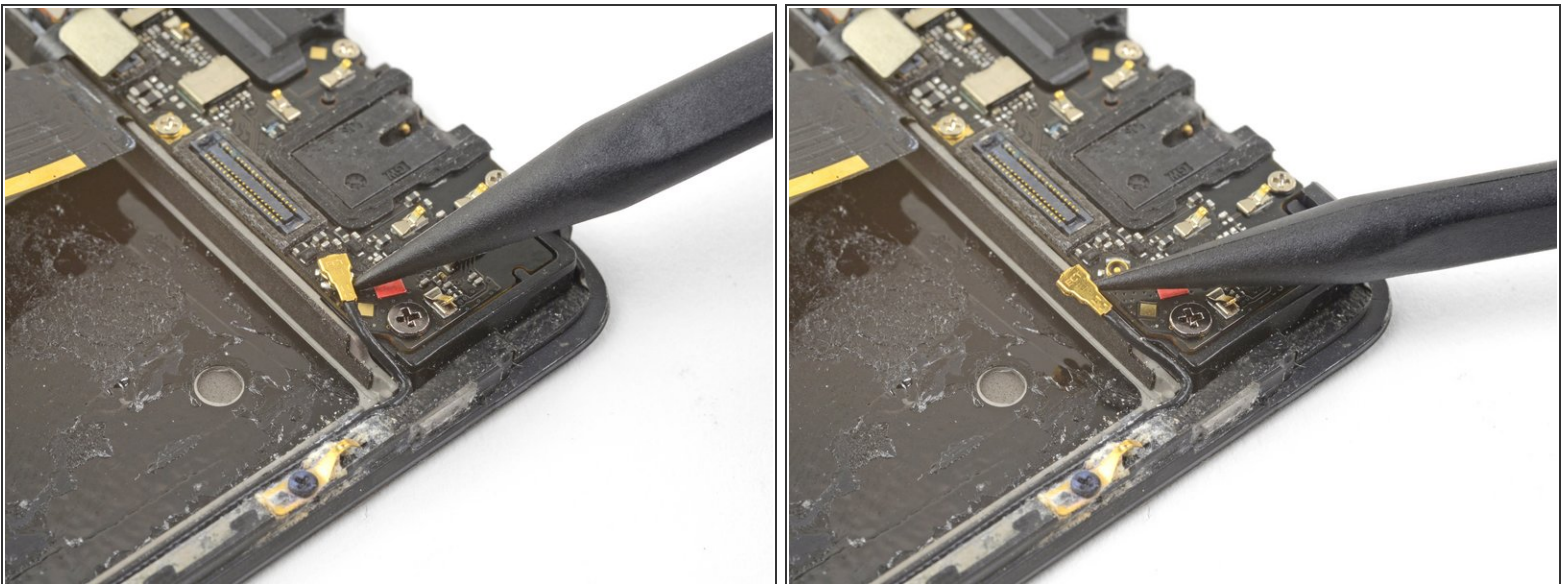- Remove the cable bracket.

## Step 10



- Use the point of a spudger to pry up and disconnect the interconnect flex cable from the motherboard, which is located above the battery.

- Repeat the process to disconnect the daughterboard flex cable from the motherboard.

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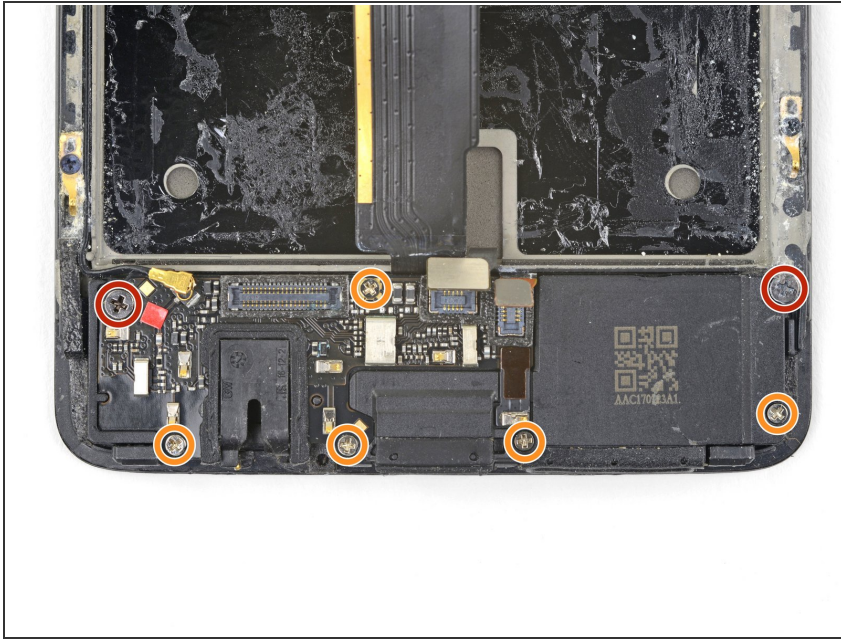
## Step 11 — Daughterboard



- Use the point of a spudger to pry up and disconnect the capacitative buttons connector from its socket on the daughterboard, which is located below the battery.

- Repeat the process to disconnect the fingerprint scanner connector from its socket on the daughterboard.
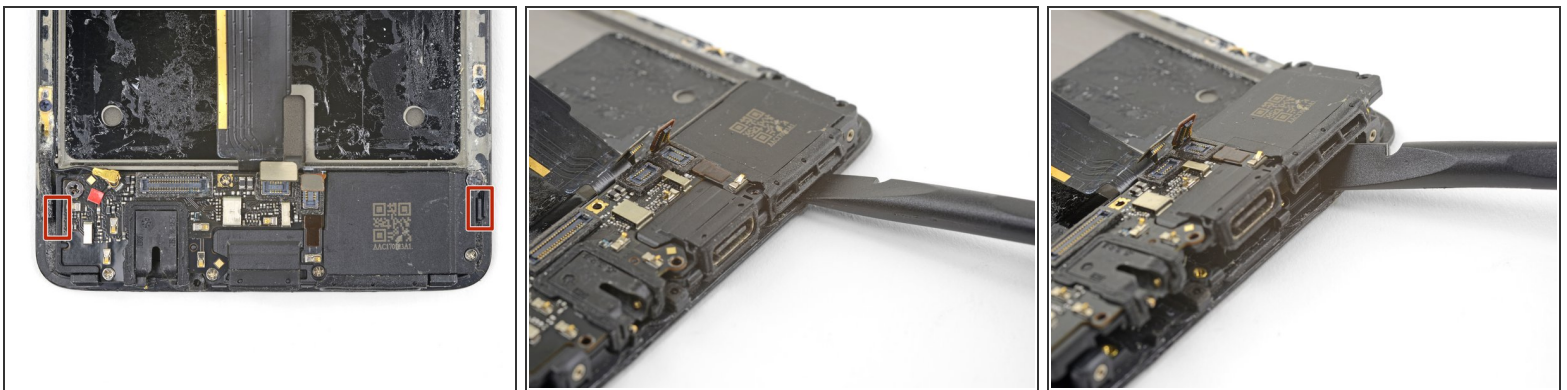
## Step 12



- Slide the point of a spudger underneath the antenna interconnect cable and pry up, disconnecting it from the daughterboard.

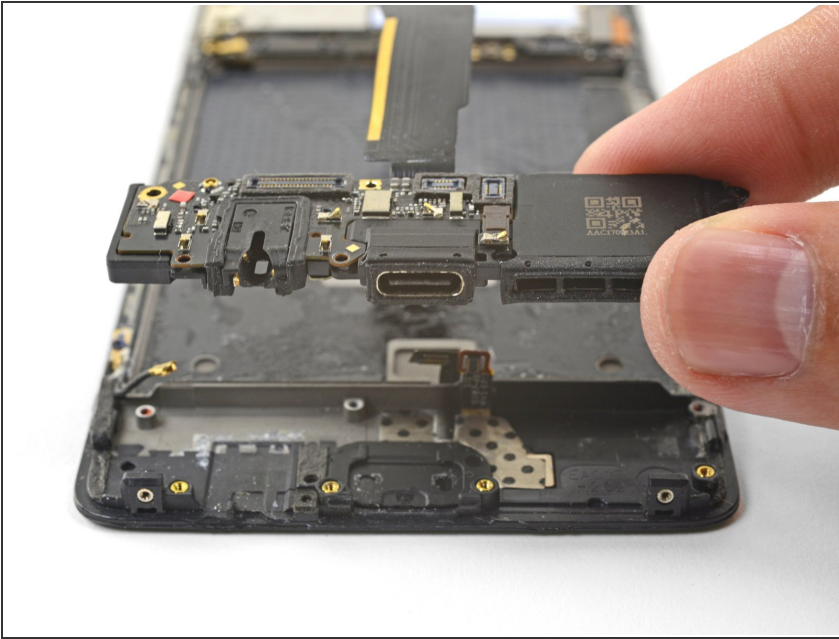This document was generated on 2020-11-28 05:32:36 AM (MST).

## Step 13



- Remove the seven Phillips screws securing the daughterboard to the frame:
  - Two 3 mm black screws
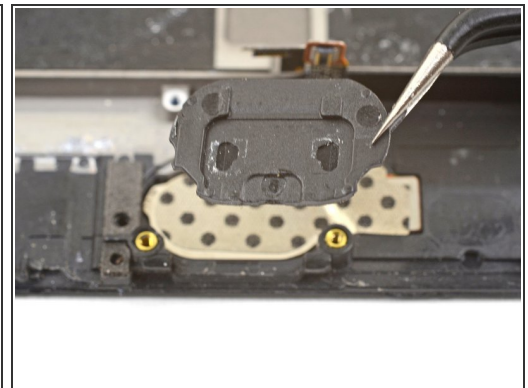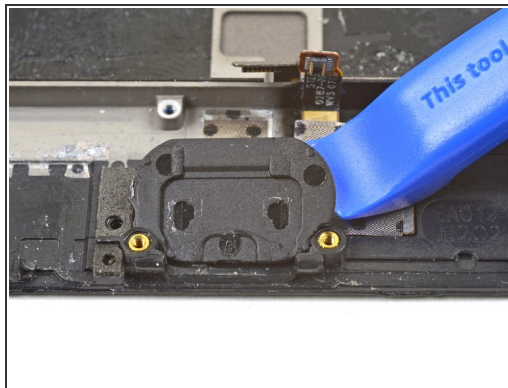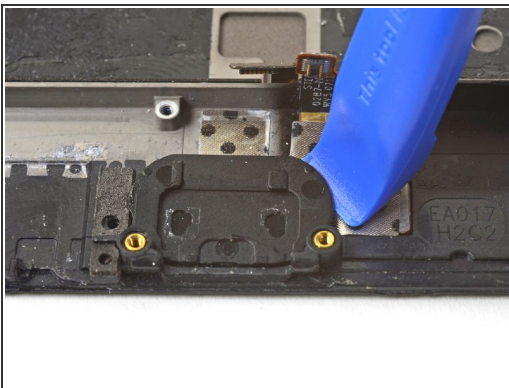  - Five 2.9 mm silver screws

## Step 14



- The daughterboard is still held in place by two plastic clips.

- Slide the flat end of a spudger underneath the loudspeaker vent and gently twist the spudger until the daughterboard is freed from its clips.

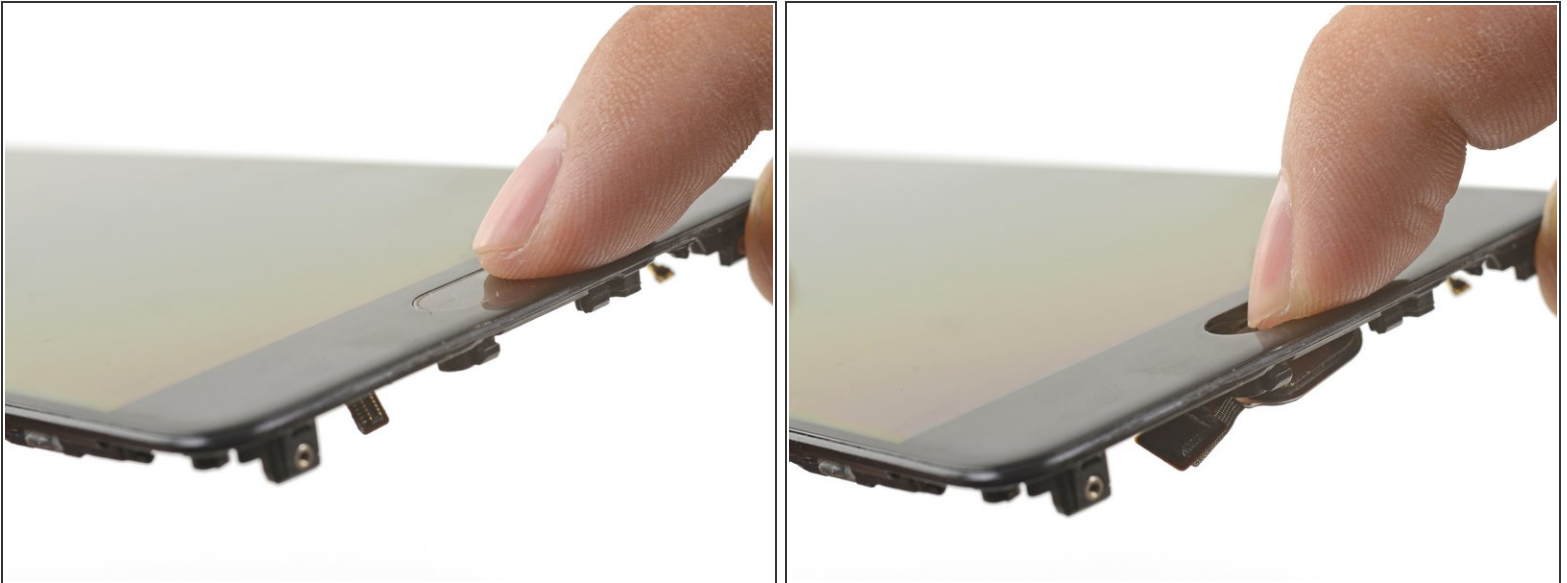This document was generated on 2020-11-28 05:32:36 AM (MST).

## Step 15



- Remove the daughterboard.

- 📌 To reinstall the daughterboard, place one of the side edges to the phone, the press the other side down until the daughterboard clicks into place.

- ⓘ If the daughterboard does not easily click into place, make sure there are no flex cables or antenna cables trapped underneath it.
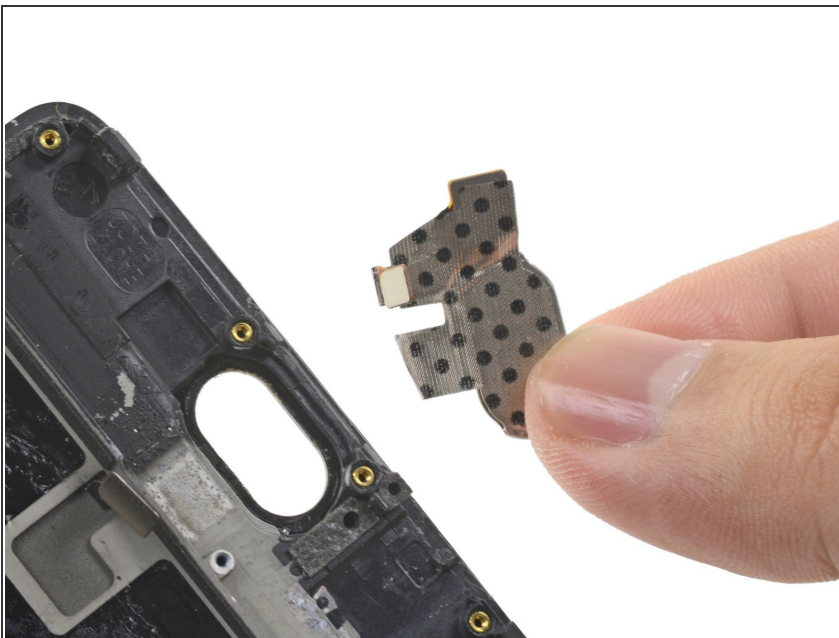
## Step 16 — Fingerprint Scanner



- Slide the edge of an opening tool underneath the fingerprint scanner cover near the bottom edge of the frame and pry up.

- Remove the fingerprint scanner cover.

## Step 17



- Use a finger and firmly push on the fingerprint scanner from the front of the display until the fingerprint scanner dislodges from its recess.

## Step 18



- Peel the fingerprint scanner along with its tape from the frame.

- Remove the fingerprint scanner.

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

Repair didn't go as planned? Check out our OnePlus 3 Answers community for troubleshooting help.

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