



# OnePlus 7 Pro Screen Replacement

Use this guide to replace a broken screen on...

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# INTRODUCTION

Use this guide to replace a broken screen on your OnePlus 7 Pro smartphone.

Before disassembling your device, be sure the battery is charged below 25%. If accidentally punctured or damaged, the battery can catch fire and/or explode; if discharged below 25%, the chances of fire/explosion are decreased.

**Be sure to power off the device before beginning the disassembly process.**

Follow the [iOpener Heating guide](#) for instructions on using the iOpener.

[video: <https://www.youtube.com/watch?v=p4MjoRnnxJA>]

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## TOOLS:

[Heat Gun](#) (1)  
[Spudger](#) (1)  
[Plastic Cards](#) (1)  
[iFixit Opening Picks \(Set of 6\)](#) (1)  
[Phillips PH000 Screwdriver](#) (1)  
[Suction Handle](#) (1)



## PARTS:

[OnePlus 7 Pro Screen](#) (1)

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## Step 1 — OnePlus 7 Pro Screen Replacement



- Insert and gently push the SIM card ejector tool (or an unfolded paperclip) into the small hole on the left side of the top edge of the phone.
  - Press gently to eject the SIM tray.
  - Remove the SIM card tray from the device.
- ☒ To reinsert the SIM card tray, orient the SIM card with the gold contacts facing up and the notch to the bottom right. Reinsert the SIM card by pressing the card gently into the SIM tray slot.

## Step 2



- Use a heat gun to lightly heat the edges of the back to soften the adhesive that connects the back cover to the rest of the frame.
  - ⚠ Using a heat gun, hair dryer, or hot plate will make the metal frame rather hot to the touch, so handle it with care.
  - ⚠ Be careful not to overheat the device –the OLED display, battery and other internal parts can be damaged by excessive heat. Approximately one minute should be enough to soften the adhesive.
- ① An iFixit iOpener, hairdryer, or hot plate can also be used to heat the edges. See the [iOpener Heating guide](#) for instructions on using the iOpener.



### Step 3



- Apply a suction cup to the lower portion of the phone's backing and pull firmly to create a crack between the back cover and the rest of the phone.
- Insert a Jimmy tool, opening pick, or [plastic card](#) under the edge of the back cover.

### Step 4



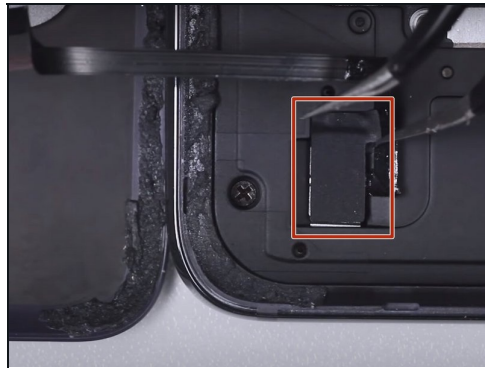
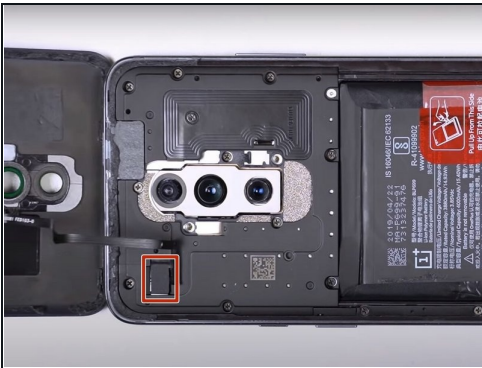
- Use a plastic card or Jimmy tool to slice around the phone's seam, cutting through the adhesive.

## Step 5



- Remove the phone's back cover.
  - ① If you have replacement adhesive strips, remove any remaining adhesive from the device frame using the Jimmy tool.

## Step 6



- Use a pair of tweezers to lift up the piece of black tape covering the laser autofocus and flash flex cable.
- Use a pair of tweezers to lift and remove the covering on the laser autofocus and flash flex cable.

## Step 7



- Use the flat end of a spudger to disconnect the laser autofocus and flash flex cable.

## Step 8



- Use a Phillips #000 screwdriver to remove the fourteen screws from the plastic motherboard cover.



## Step 9



- Use the flat end of a spudger to lift up the plastic motherboard cover.
- Remove the plastic motherboard cover.

## Step 10



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

## Step 11



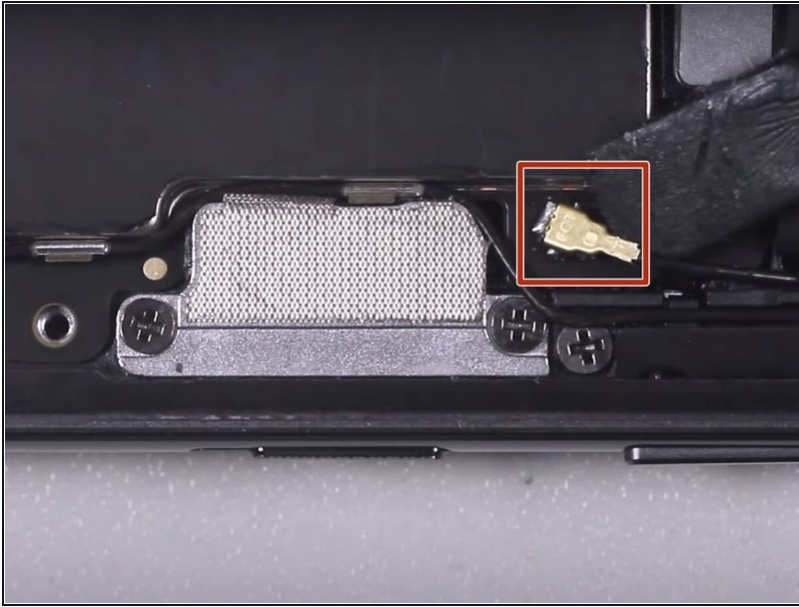
- Use the flat end of a spudger to disconnect the longer black coaxial cable.
- Use the flat end of a spudger to disconnect the white coaxial cable.
- Use the flat end of a spudger to disconnect the shorter black coaxial cable.

## Step 12



- Use the flat end of a spudger to disconnect the display and touch flex cable, main flex cable, and USB port cable.

## Step 13



- Use the flat end of a spudger to disconnect the black cable on the left-hand side of the phone.

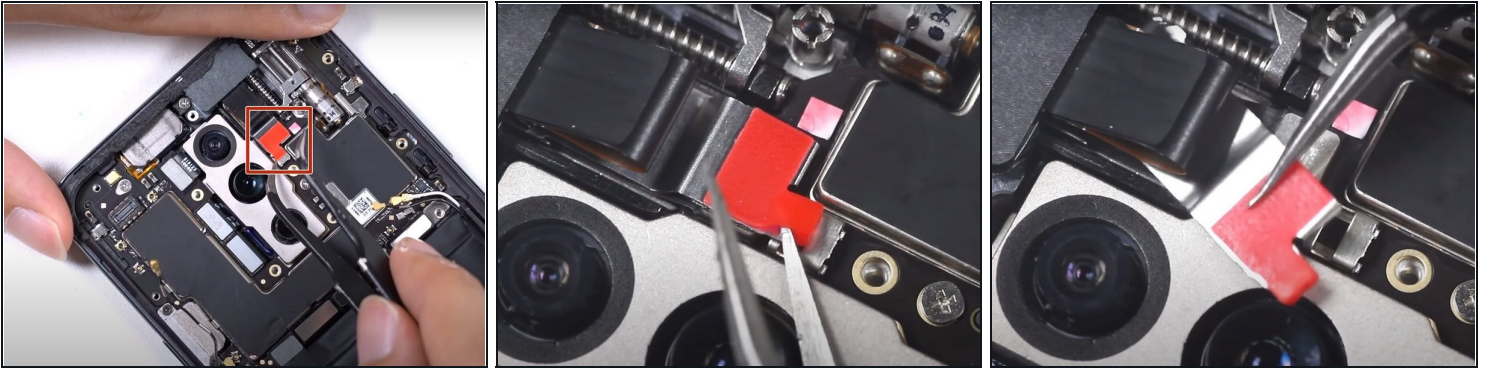
## Step 14



- Use the flat end of a spudger to pry up the long black cable on the left-hand side of the phone.
- Use the flat end of a spudger to disconnect the end of the long black cable.



## Step 15



- Use a pair of tweezers to pry up the red plastic tab.
- Use a pair of tweezers to remove the assembly connected to the red plastic tab.

## Step 16



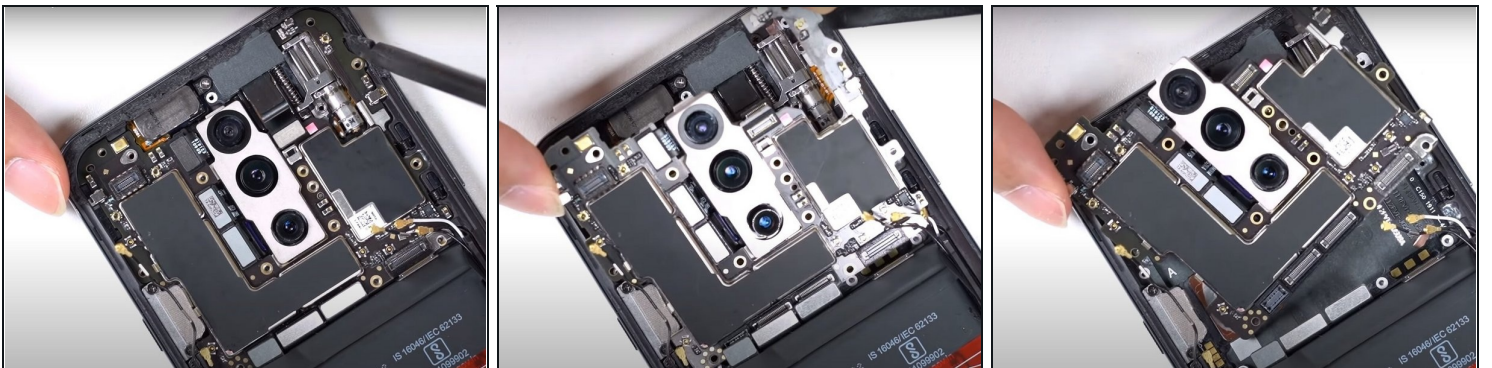
- Use the flat end of a spudger to disconnect the connector that was underneath the red plastic tab.

## Step 17



- Use a Phillips #000 screwdriver to remove the remaining two screws securing the motherboard.

## Step 18



- Use the flat end of a spudger to lift up the phone's motherboard.
- Remove the motherboard.

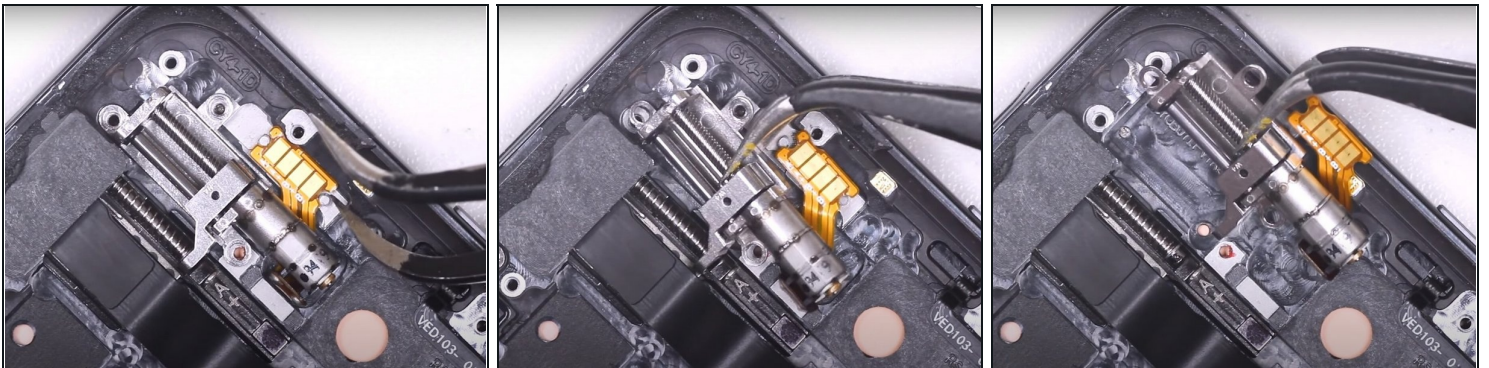


## Step 19



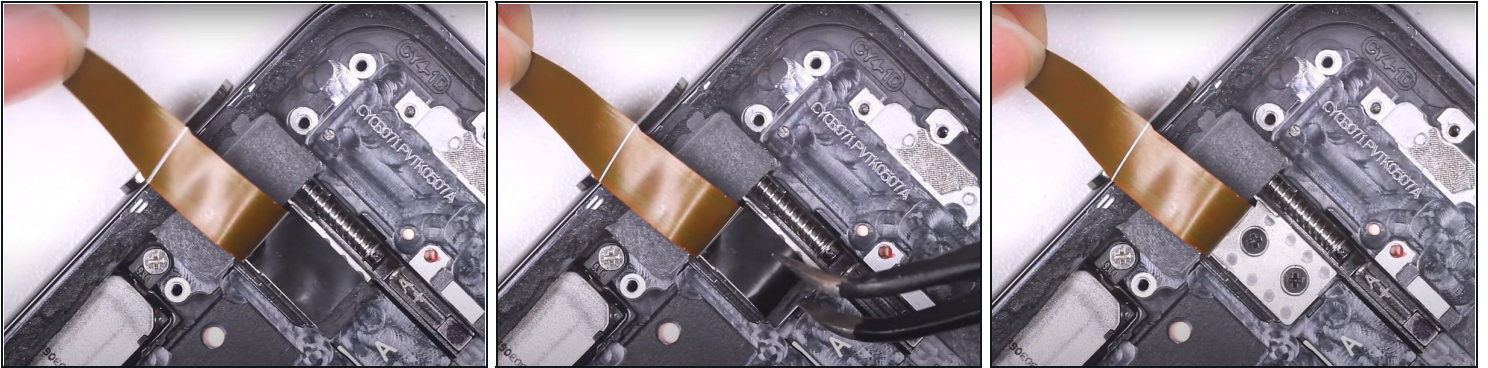
- Use a Phillips #000 screwdriver to remove two short screws.
- Use a Phillips #000 screwdriver to remove one screw.

## Step 20



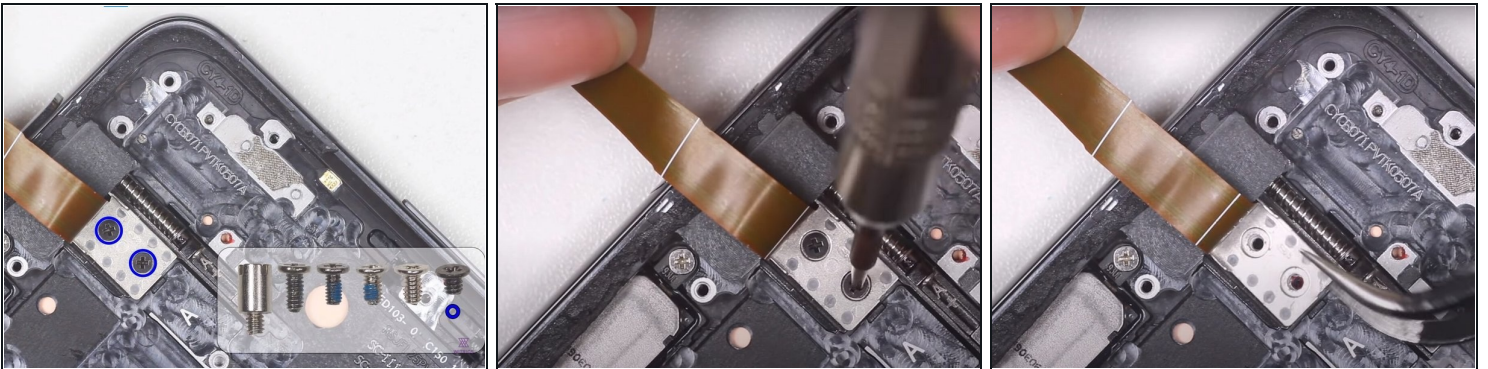
- Use a pair of tweezers to remove the camera elevator assembly.

## Step 21



- Lift up the large flex cable with your fingers.
- Use a pair of tweezers to remove the black plastic screw covering.

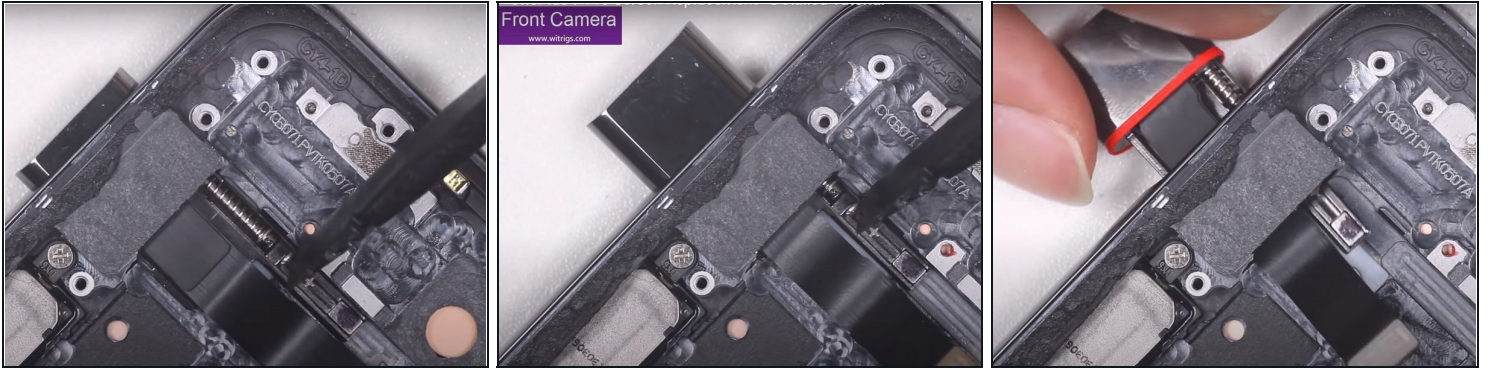
## Step 22



- Use a Phillips #000 screwdriver to remove two small screws from the metal covering.
- Remove the metal covering.

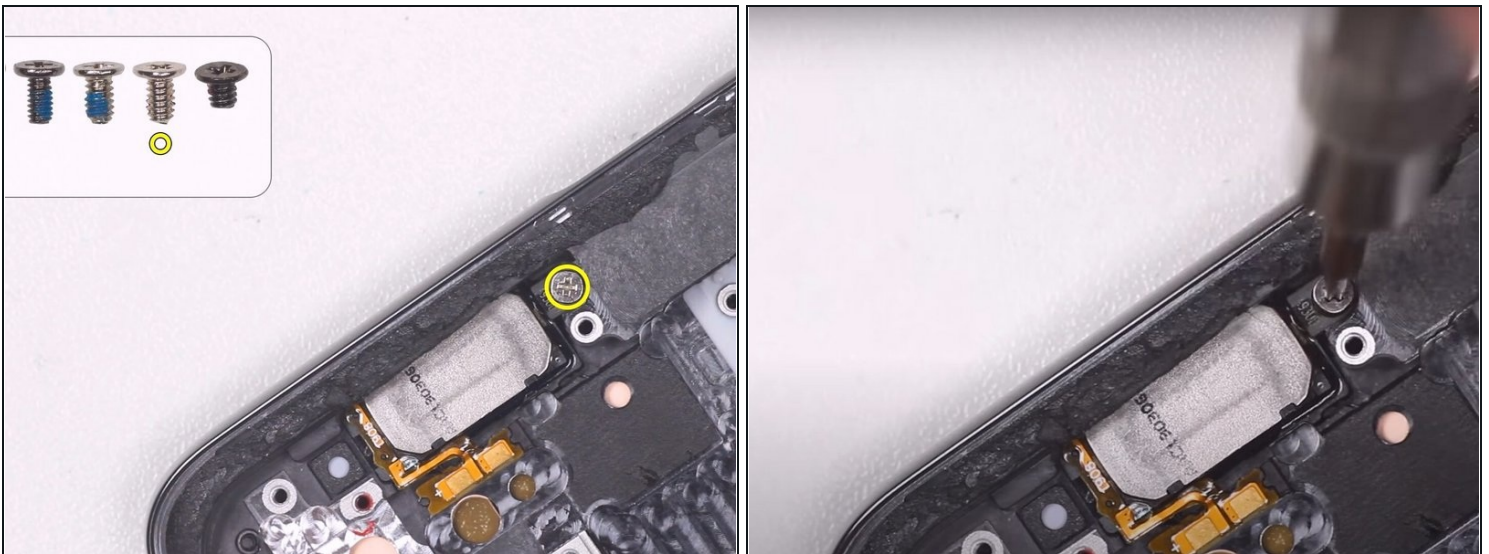


## Step 23



- Use the flat end of a spudger or your fingers to gently remove the front camera assembly.

## Step 24



- Use a Phillips #000 screwdriver to remove one screw in the upper left-hand corner.

## Step 25



- Use a pair of tweezers to disconnect the earpiece's yellow flex cable.
- Use a pair of tweezers to remove the earpiece.

## Step 26



- Use your fingers to pull on the red sticker labelled 'Pull Up From This Side.'
- Remove the battery.



## Step 27



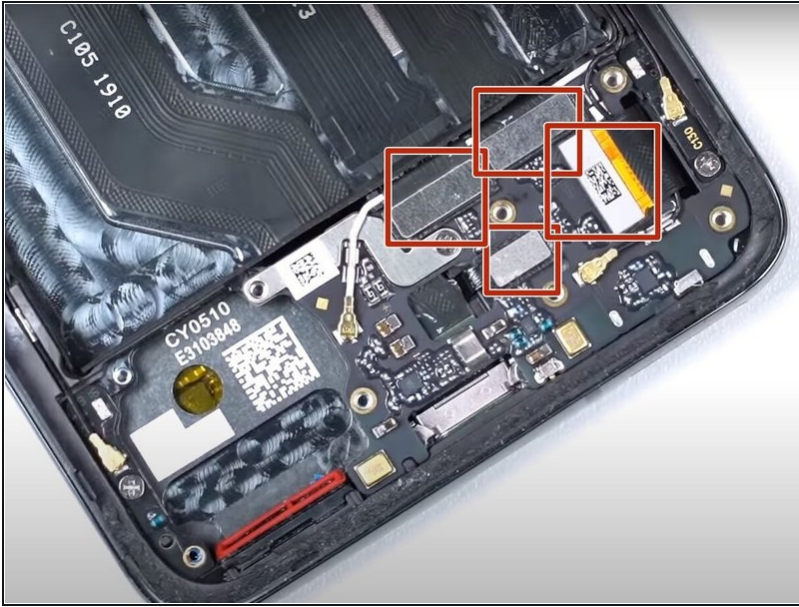
- Use your fingers to grab the black tab and remove the plastic that was underneath the battery.

## Step 28



- Use a Phillips #000 screwdriver to remove eight screws from the bottom panel.
- Use the flat end of a spudger to pry up the bottom cover.
- Remove the bottom cover.

## Step 29



- Use the flat end of a spudger to disconnect the fingerprint sensor, the LED flex cable, the CED flex cable, and the display and touch flex cable.

## Step 30



- Use the flat end of a spudger to disconnect the three coaxial cables near the bottom of the phone.
  - ① To disconnect the longer coaxial cable, you will need to pry the wire from its clips.



## Step 31



- Use a Phillips #000 screwdriver to remove one screw.
- Use the flat end of a spudger to lift up the sub-board.
- Remove the phone's sub-board.

## Step 32



- Use a Phillips #000 screwdriver to remove two screws.

## Step 33



- Use a pair of tweezers to peel out the black stickers from the sides and bottom of the battery area.

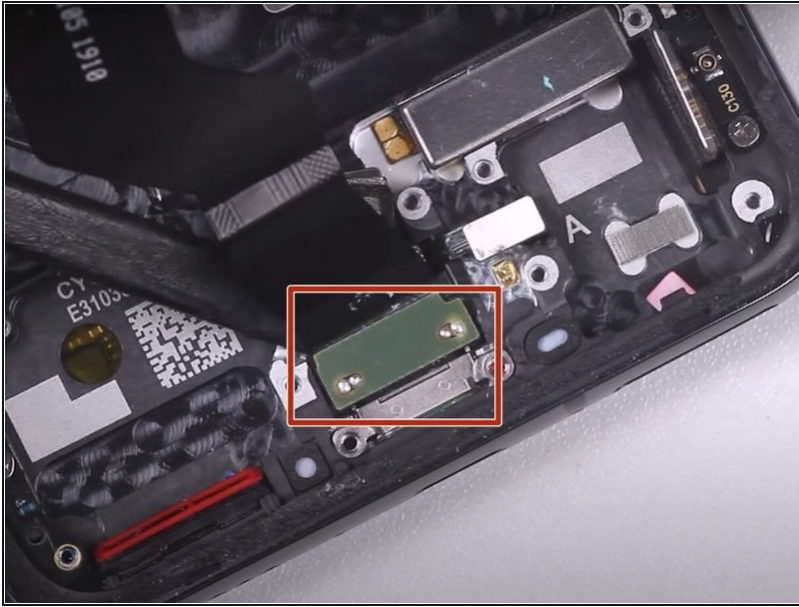
## Step 34



- Use your fingers to remove the three signal cables.

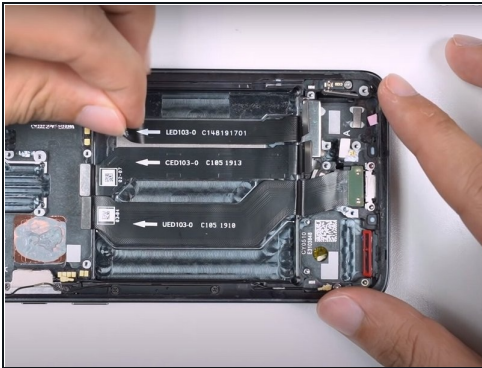


## Step 35



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

## Step 36



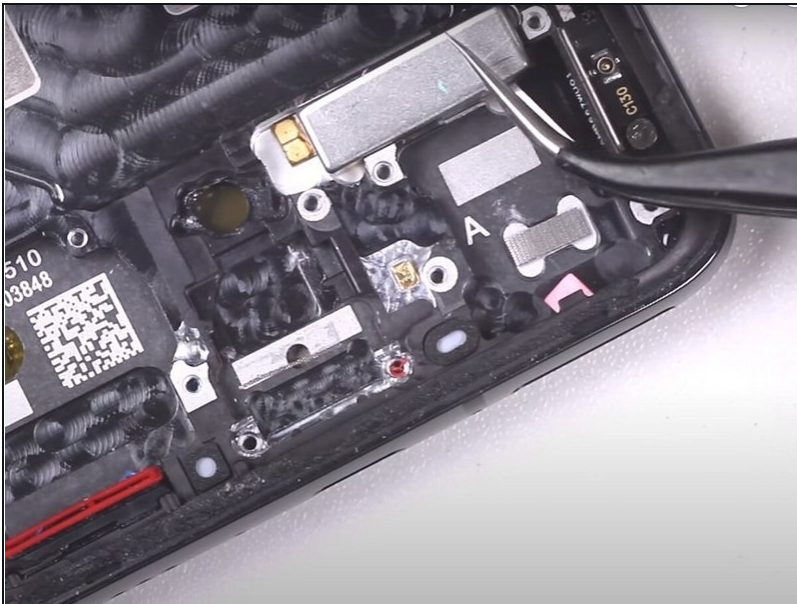
- Use your fingers to remove the LED flex cable, CED flex cable, and USB port cable.

## Step 37



- Use a pair of tweezers to disconnect the fingerprint sensor.

## Step 38



- Remove the vibration sensor using a pair of tweezers.

## Step 39



- Disconnect the coaxial cable in the lower left-hand corner using the flat end of a spudger.

## Step 40



- Use a Phillips #000 screwdriver to remove two screws on the left-hand side of the phone's frame.
- Use a pair of tweezers to remove the plastic piece that was secured with the two previous screws.



## Step 41



- Remove the coaxial cable using the flat end of a spudger.
- Remove the coaxial cable from the left-hand side of the battery's area.

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To reassemble your device, install each of the components removed during this guide into a new screen with a frame by following these instructions in reverse order.