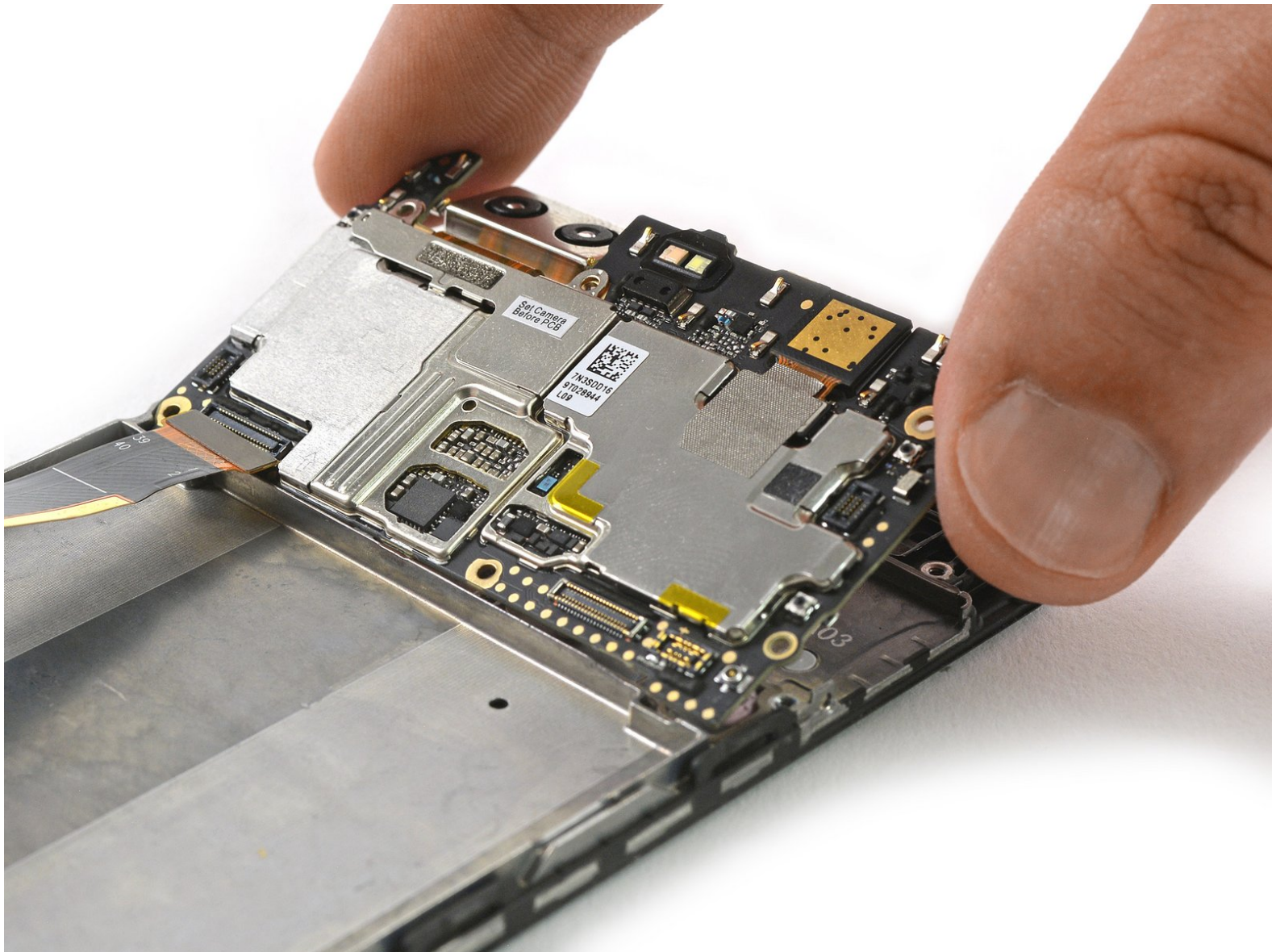




# Huawei P9 Plus Display with Frame Replacement

This guide describes the removal and replacement of the complete display with the frame of a Huawei P9 Plus.

Written By: Dominik Schnabelrauch



# INTRODUCTION

Use this guide to remove and replace the complete display with the frame of a Huawei P9 Plus.



## TOOLS:

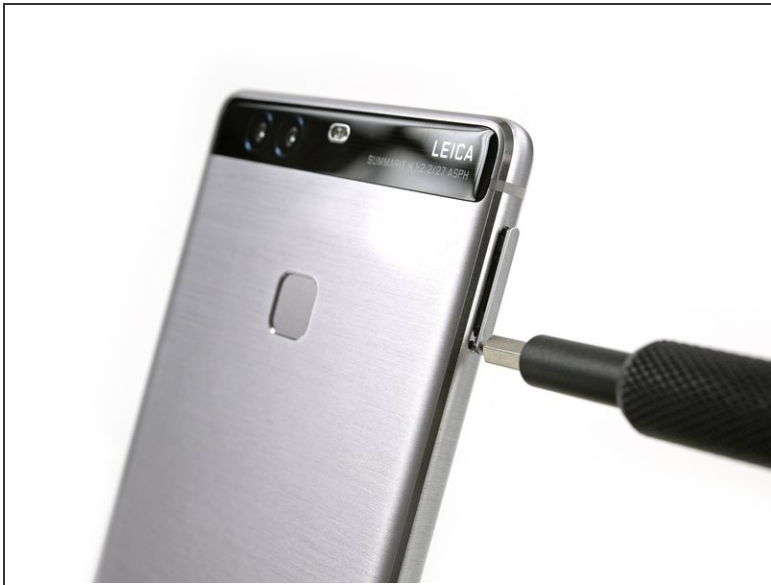
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Tweezers](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [Suction Handle](#) (1)
- [Phillips #00 Screwdriver](#) (1)



## PARTS:

- [Huawei P9 Plus Screen](#) (1)

## Step 1 — Rear Case



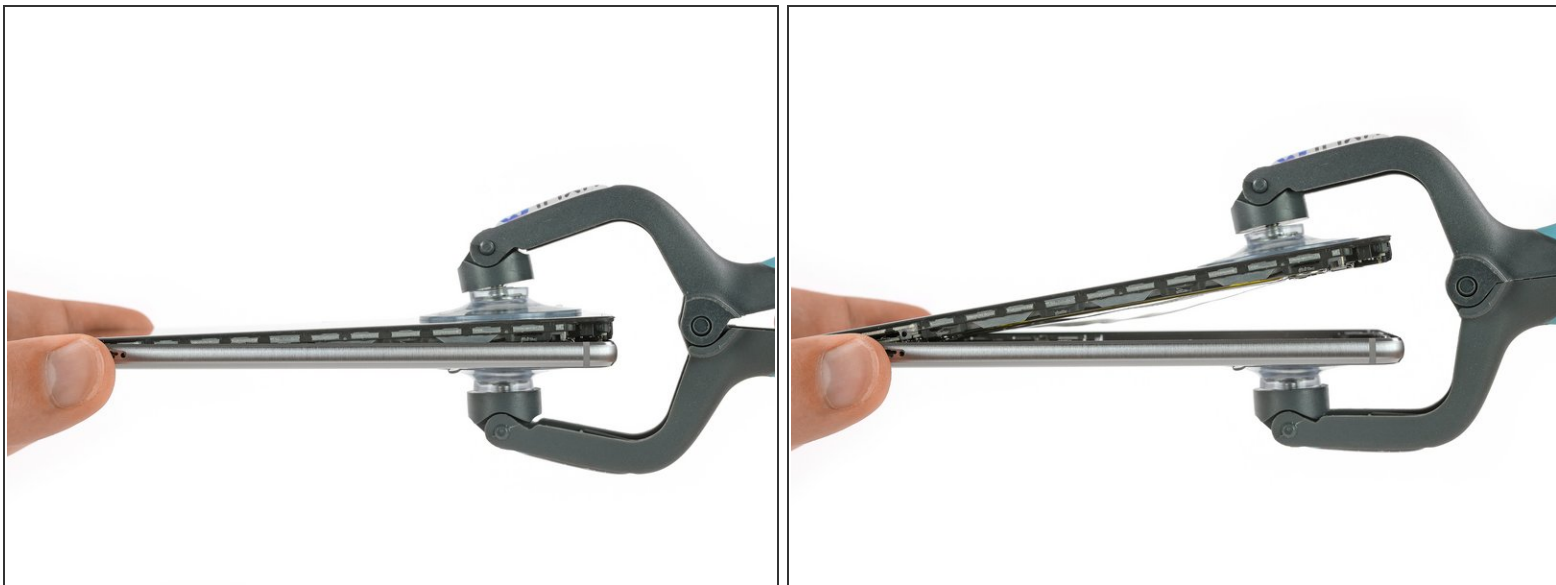
- First switch off your phone.
- Remove the SD and SIM card tray.

## Step 2



- Remove the two P2 Pentalobe screws on either side of the USB C port.

## Step 3

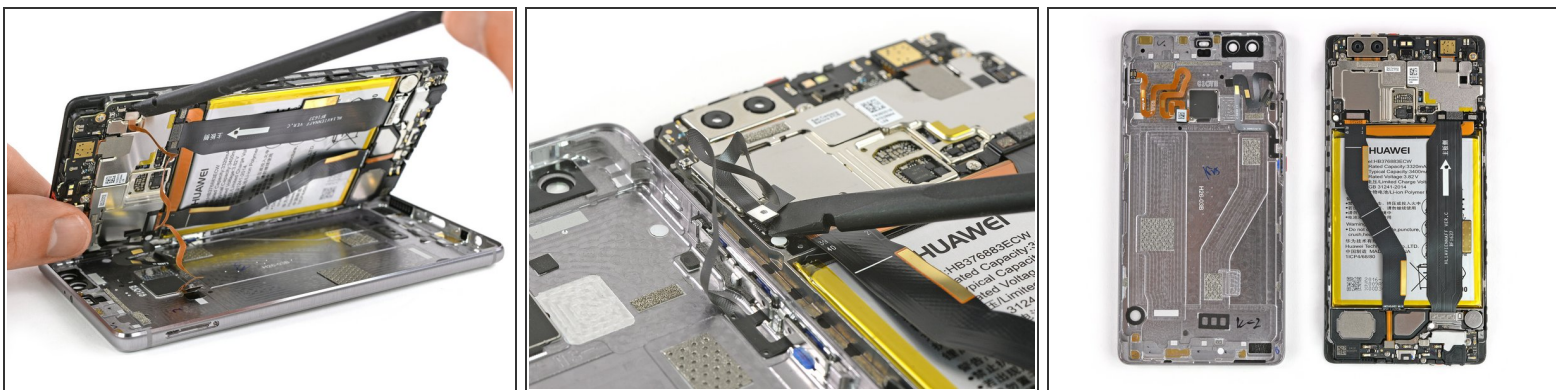


- Use an iSlack or a suction handle to separate the display unit from the rear case.



Do not fully separate the pieces as they are still connected by the fingerprint sensor cable.

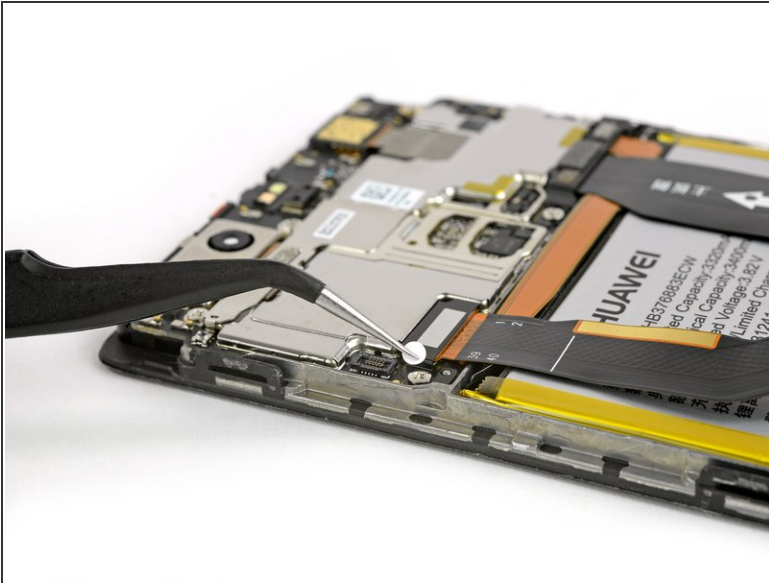
## Step 4



- After separating the rear case flip the other half open to get to the flex connectors.
- With a spudger unplug the flex connector of the fingerprint sensor and the one of the side buttons.
- Remove the rear case.

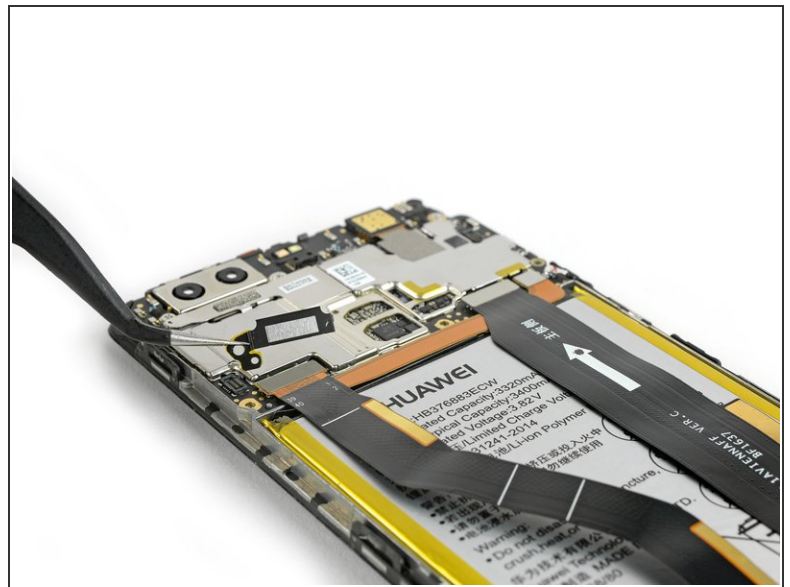
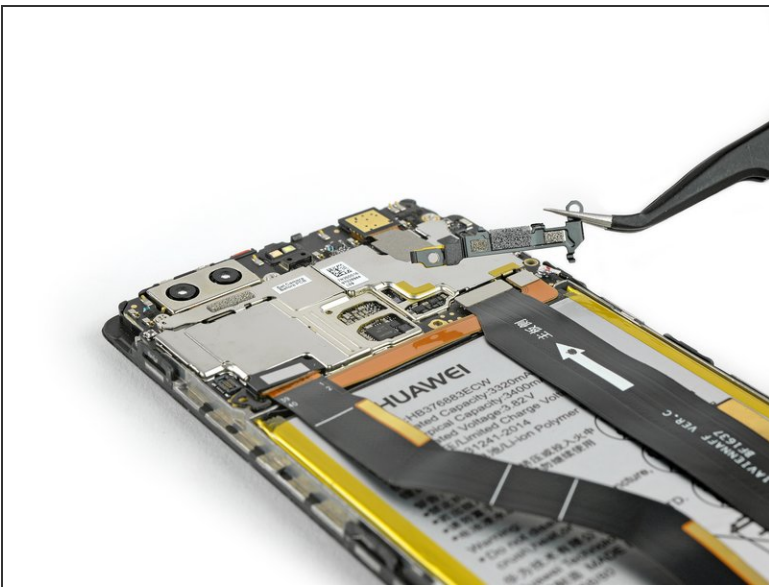


## Step 5 — Battery



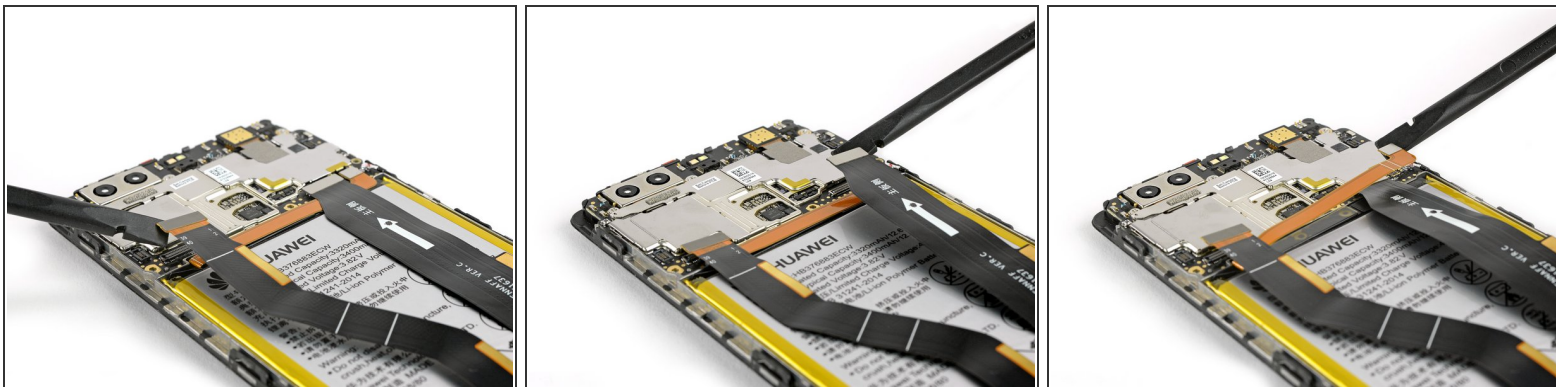
- Remove the sticker that sits on top of the left screw above the battery.
- Remove the three Phillips #00 screws that hold the metal plates in place.

## Step 6



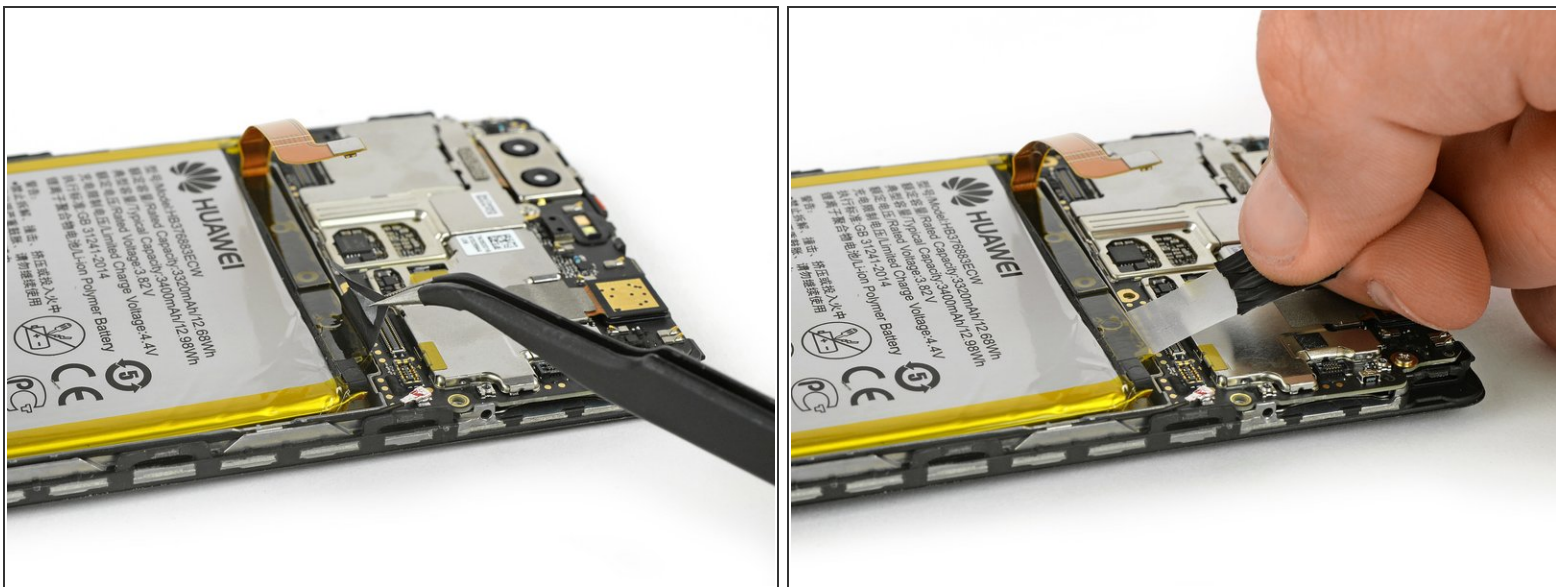
- Both metal plates have little hooks. Use a tweezer to free them and unhinge the plates by carefully moving them upwards.

## Step 7



- Use a spudger to unplug the screen flex cable.
- Unplug the motherboard flex cable and the battery flex cable afterwards.

## Step 8

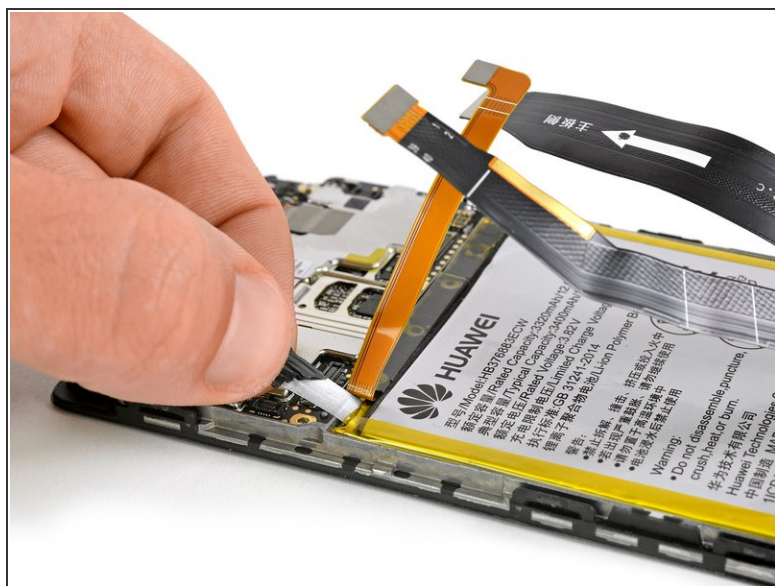


**i** The adhesive strips at the top of the battery are less likely to rip if you pull them horizontally in a straight line and not upwards or in any other direction.

- Use a set of tweezers to unfold the black tab enough to grab with your fingers.
- Pull the first adhesive strip in a slow and constant movement.
- i** Jerking or slackening your grip can cause the adhesive to bunch up and rip.

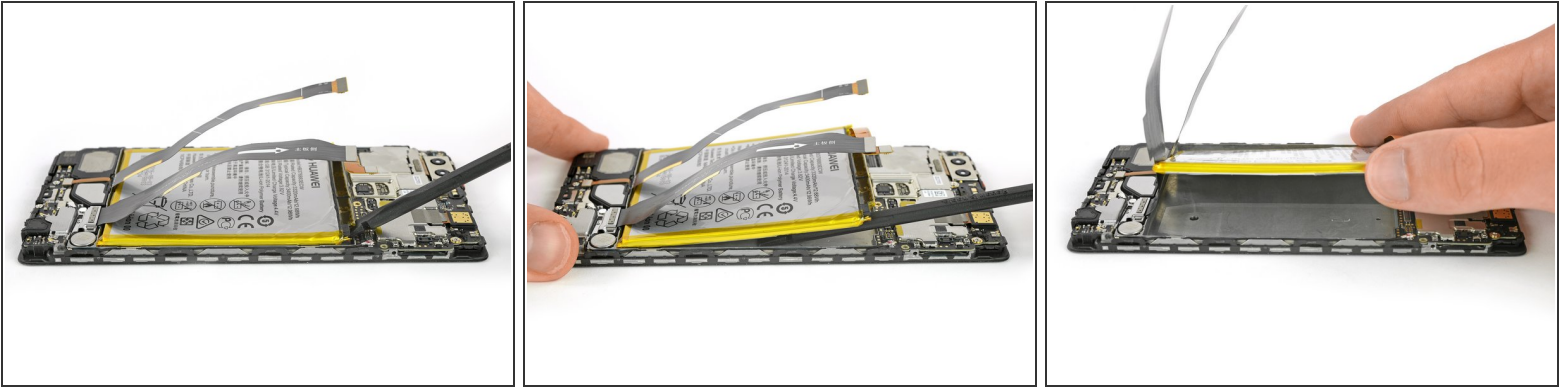


## Step 9



- Loosen the end of the other adhesive strip with a tweezer and pull it out. If needed use the iOpener again to soften the glue a little.

## Step 10



- Use a spudger to slide under the battery.
  - ❗ If you managed to pull out the adhesive strips you can easily lift out the battery. Otherwise use the iOpener once more to soften any adhesive leftovers. There are no cables under the battery that can be harmed.
- Remove the battery.
- ☑ When reassembling your phone replace old adhesive with [double-sided tape](#) or [pre-cut adhesive strips](#).

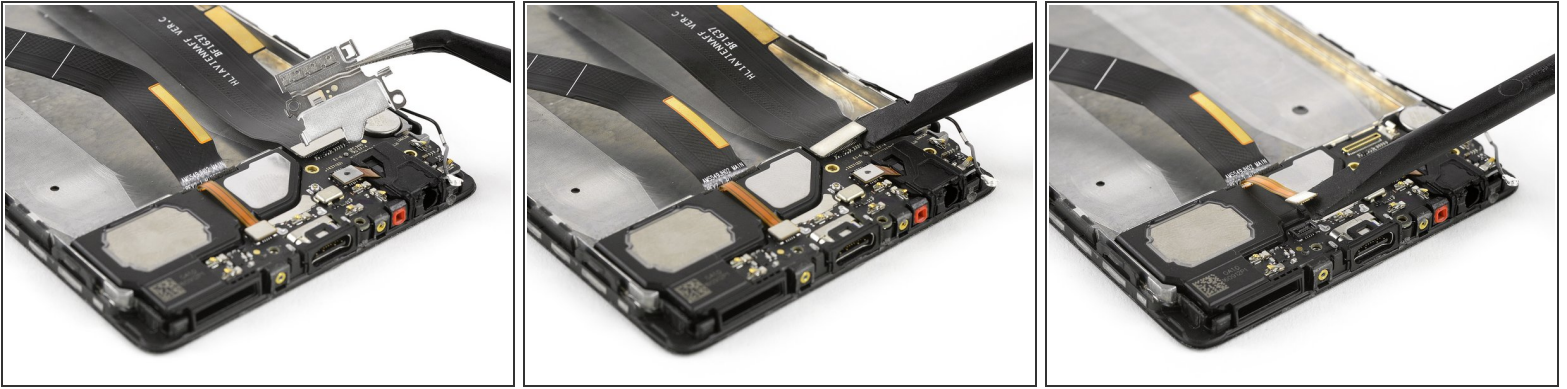
## Step 11 — Display



- Use a tweezer to remove the sticker that sits on top of the screw next to the antenna cable.
- Unplug the antenna cable and release it from the bracket on the metal plate covering the main flex cable.
- Remove the four Phillips #00 screws.



## Step 12




- The plate, which is covering the motherboard flex cable, has little hooks on each side. Use a tweezer to free them and unhinge the plate by carefully moving it upwards.
- Use a spudger to unplug the motherboard flex cable and remove it.
- Unplug the flex connector of the loudspeaker.

## Step 13



- Use a spudger to unplug the flex connector of the headphone jack.
- Remove the headphone jack.

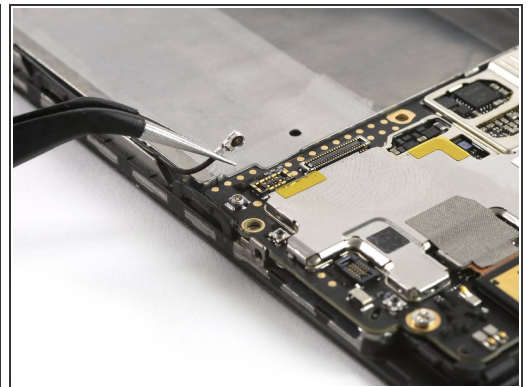
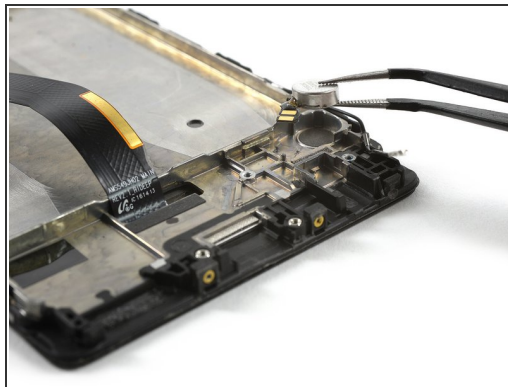
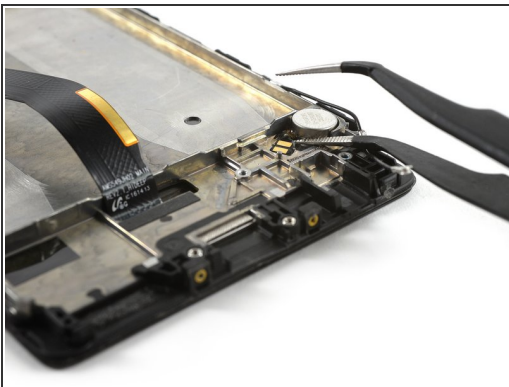
 Be careful with the contacts inside and in the bottom area of the headphone jack. They can be damaged easily.

## Step 14



- Use a spudger to lift out the daughter board.
- Lift the loudspeaker out of the mid frame. There is some adhesive underneath, so it can be a little bit sticky.

## Step 15 — Display with Frame



- Use a tweezer to loosen the vibration motor flex cable. Be careful since it is a little bit sticky.
- Remove the vibration motor.
- Use a tweezer to unplug the antenna cable and remove it.

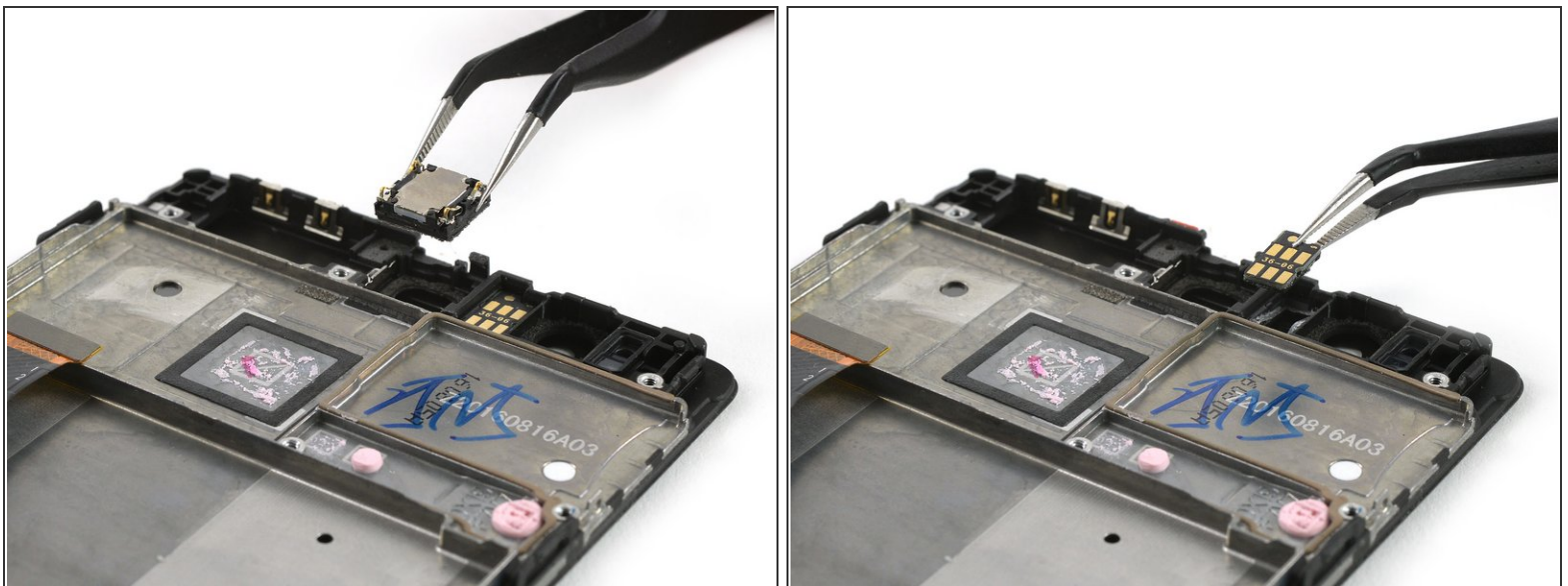


## Step 16



- Remove the three Phillips #00 screws.
- Use a spudger to lift and remove the motherboard assembly, being mindful of the cameras.
- ☑ On the back of the motherboard are thermal pads (pink rubber-like gobs) for heat dissipation. If these thermal pads broke, are too dried out or stick to the old display assembly, you need to [apply new thermal pads](#) on the new display assembly or the motherboard.

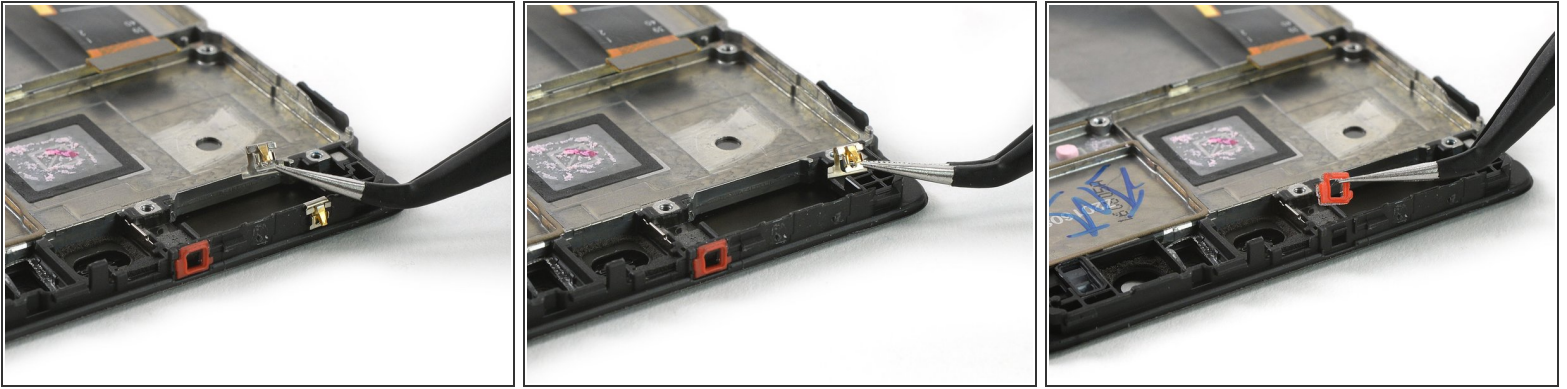
## Step 17



- Remove the earpiece speaker with a tweezer.
  - ⚠ Take care of the metal connectors to not bend them.
- Carefully remove the proximity sensor from its recess.

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## Step 18



- Carefully remove the spring contacts from the display assembly without bending them.
- Remove the rubber microphone gasket.
- ✦ Before reassembly check your new part for any components that might need to be transferred from the old one (e.g. plastic inlay for the proximity sensor). Also check if the thermal pads (pink rubber-like gobs) need to be replaced.
- ✦ When reassembling your phone replace old adhesive with [double-sided tape](#) or [pre-cut adhesive strips](#).

To reassemble your device, follow these instructions in reverse order. Reapply adhesive where necessary after removing any residue.