



Sony Xperia Z3 LCD & Digitizer Replacement

Replace the LCD & Digitizer in your Sony Xperia Z3.

Written By: Dominik Schnabelrauch



INTRODUCTION

Use this guide to replace the LCD & Digitizer of your Sony Xperia Z3.

To reassemble the device, follow this guide in reverse order and apply new adhesive where needed.



TOOLS:

- [iOpener](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)



PARTS:

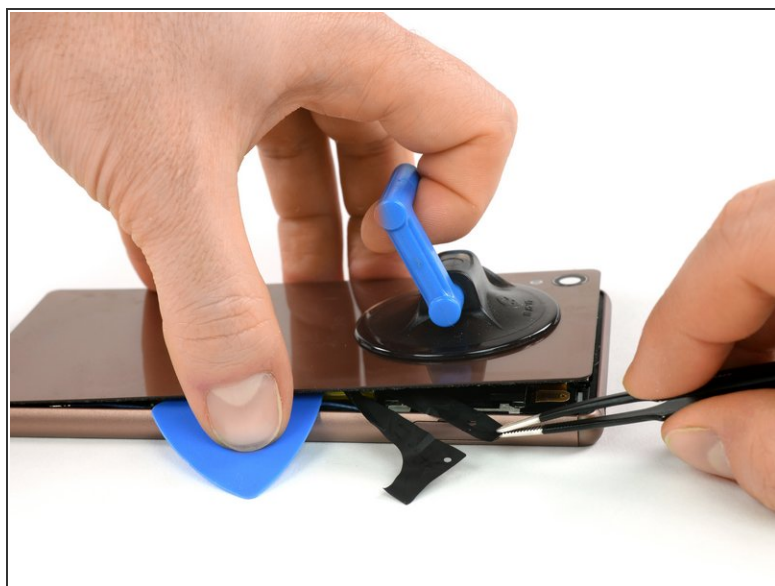
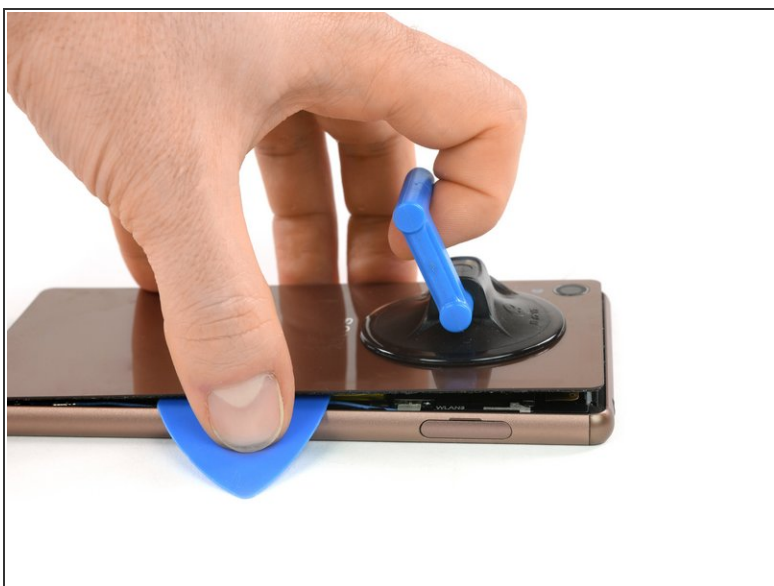
- [Sony Xperia Z3 NFC Antenna](#) (1)
- [Sony Xperia Z3 Replacement Battery](#) (1)
- [Sony Xperia Z3 and Z3 Dual Screen](#) (1)
- [Sony Xperia Z3 and Z3 Dual Back Cover Adhesive](#) (1)


Step 1 — Back Cover



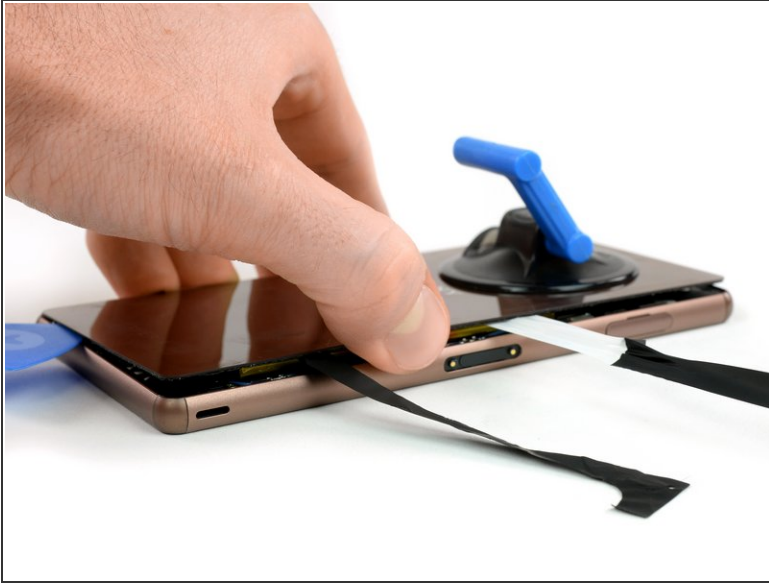
- Heat the back cover of your Xperia Z3 to loosen the adhesive underneath.
 - Lift up the back cover with a suction handle and put an opening pick in the gap.
 - Move the pick carefully around the edges to loosen the adhesive on every side of the phone.
- ⚠ Don't put the pick in too deep under the back cover to not damage any parts inside the phone.

Step 2



-  There are two adhesive strips in the center of the phone connecting the rear case to the battery, you'll need to remove them to open the phone.
- When the edges of the cover are free from adhesive, tilt it to allow access to the battery tabs.
 - Use tweezers to pull the two black adhesive strips out of the phone but don't pull just yet.

Step 3



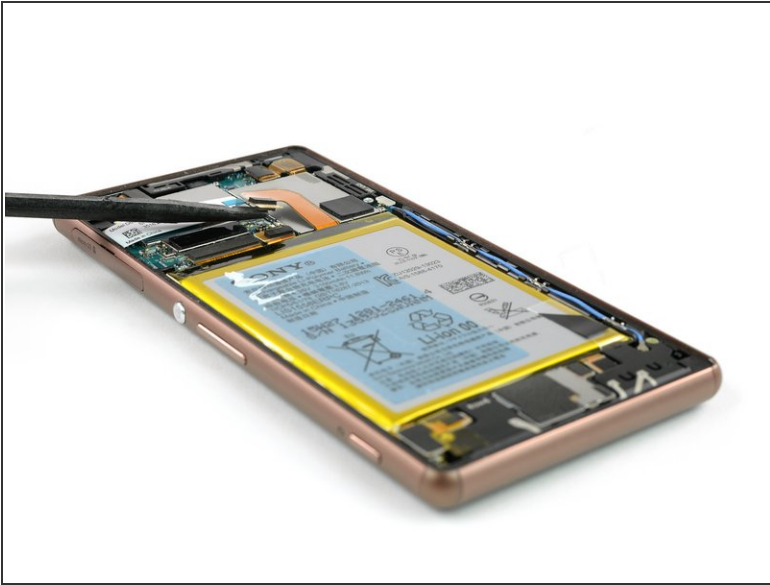
- Gently pull out both of the adhesive tabs out of the phone, parallel to the rear cover.
- ❗ If the adhesive tabs break, try to use a thin flat plastic tool such as a plastic card to remove the last of the adhesive. If the adhesive is stubborn, heat it with an iOpener or hair dryer and pry again.

Step 4



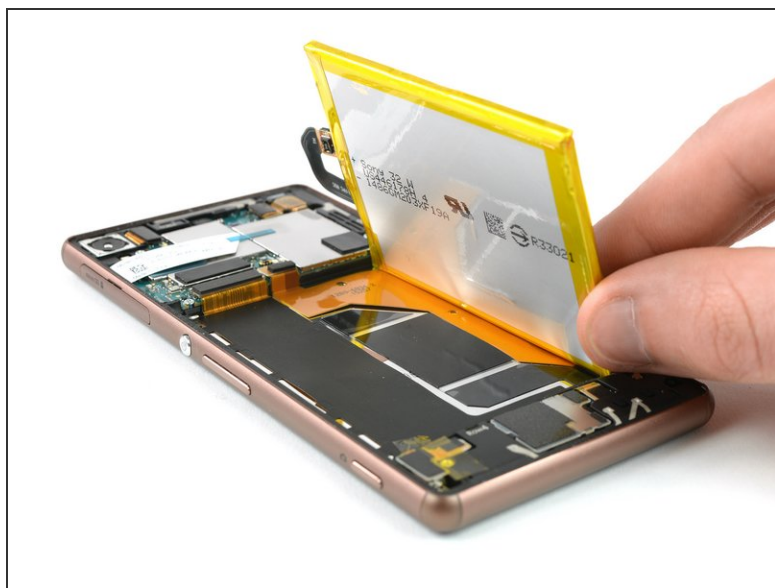
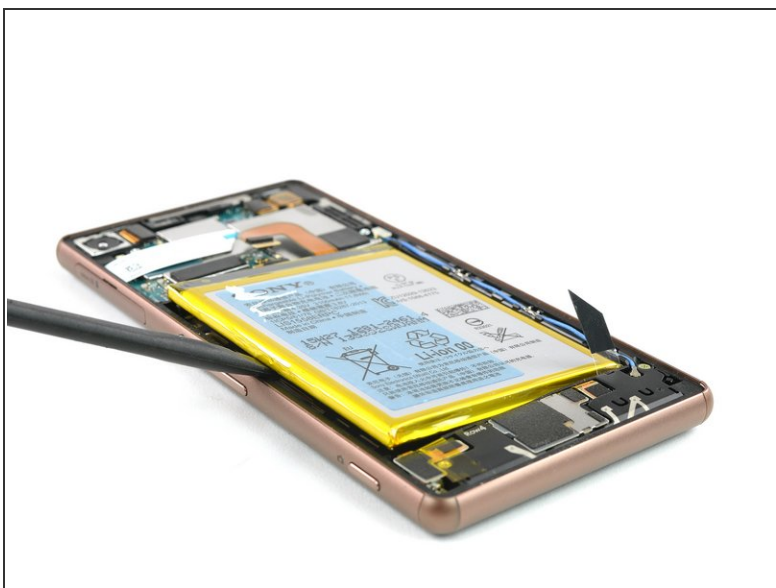
- After pulling out the adhesive tabs, you can lift the back cover and remove it.

Step 5 — Battery



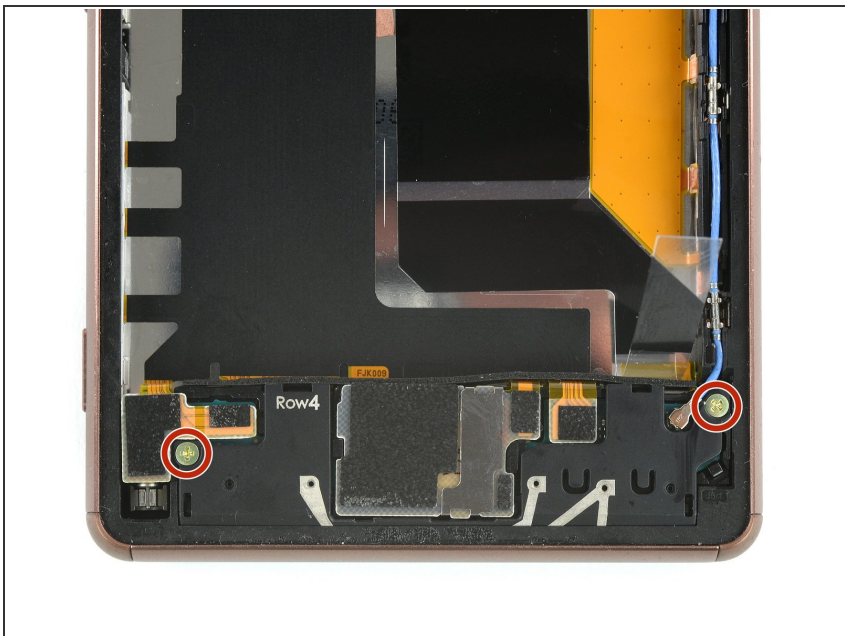
- Unplug the battery flex connector.
- Use a tweezer to gently pull off the adhesive strip on the bottom part of the battery.

Step 6



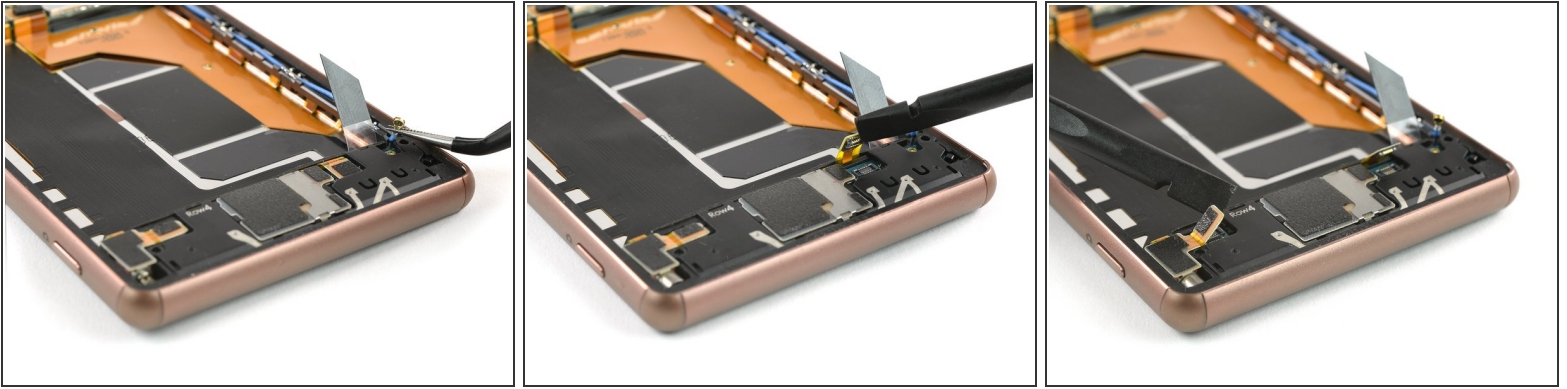
- Use a spudger on the left side of the frame to lever out the battery.
 - ⚠ Be careful with the spudger - there are cables beneath the battery!
- Remove the battery.

Step 7 — Display Prereq



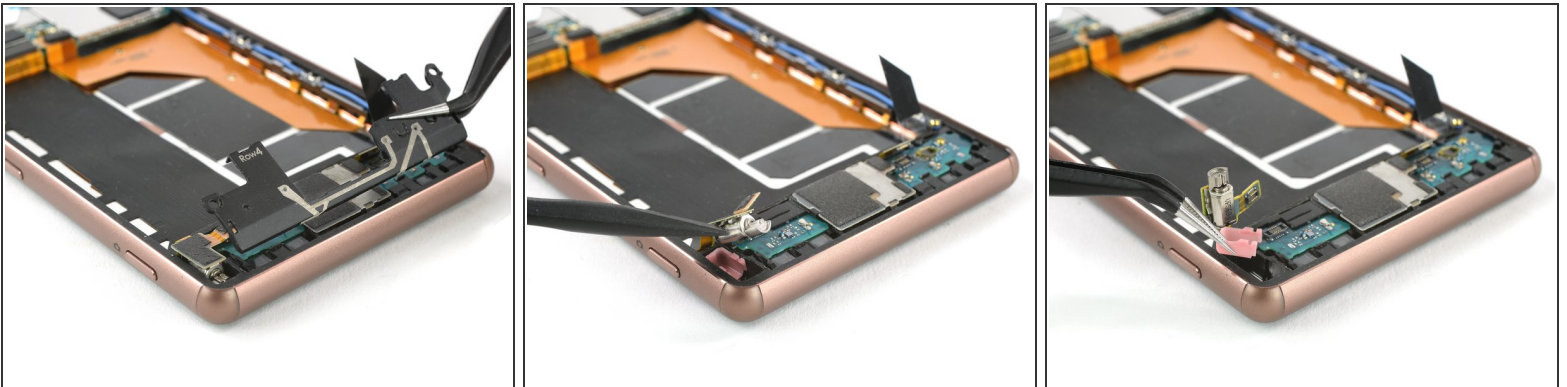
- Unscrew the two Phillips #00 screws.

Step 8



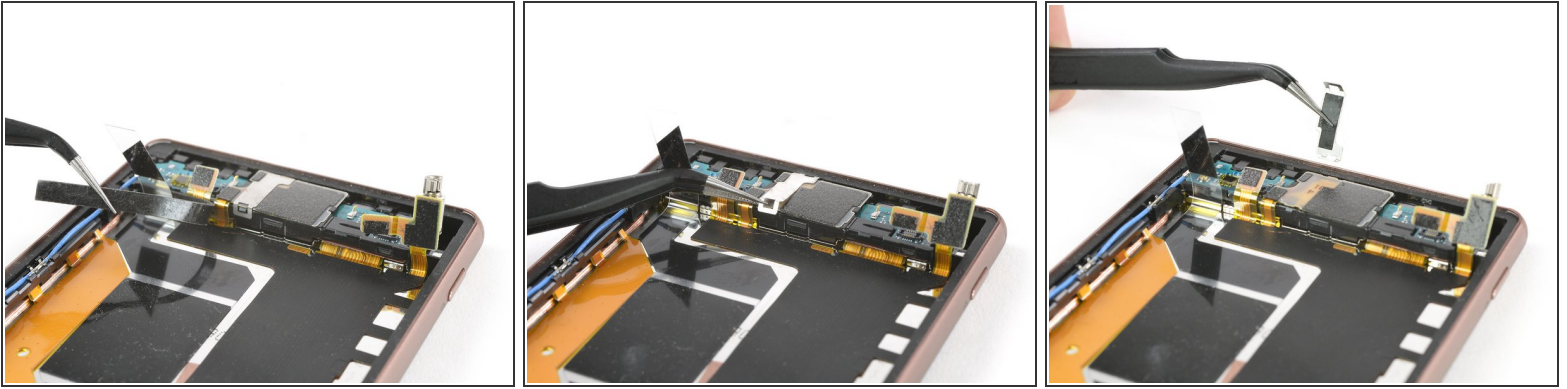
- Unplug the antenna cable with a tweezer.
- Use a Spudger to unplug the main flex connector and the flex connector of the vibration motor.

Step 9



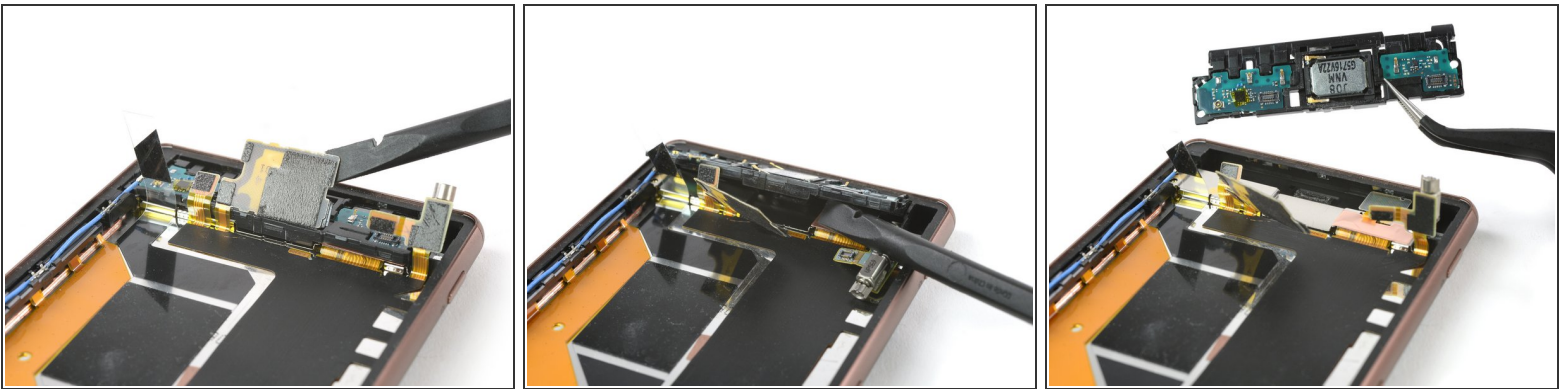
- Remove the cover on top of the loudspeaker assembly.
- Use a spudger to pull out the vibration motor and remove its rubber gasket with a tweezer.

Step 10



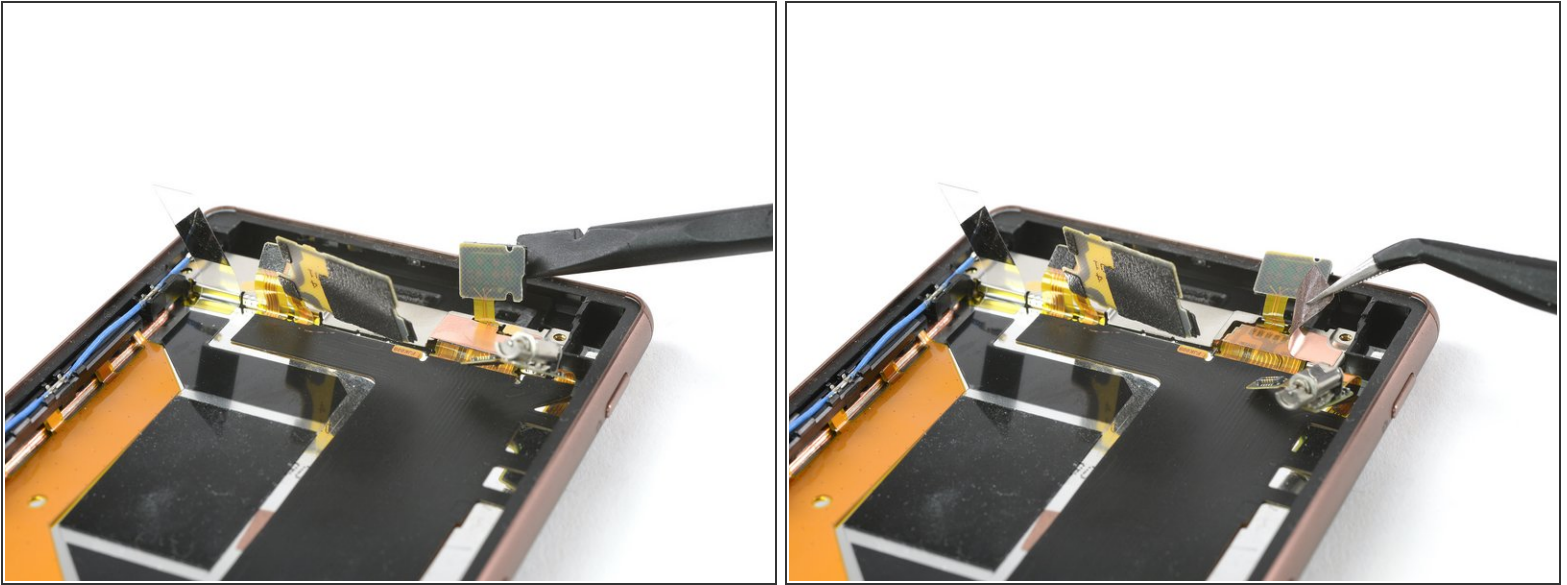
- Use a tweezer to remove the adhesive strip of the loudspeaker assembly.
- Pull up the metal clamp at the upper end of the loudspeaker assembly by using a tweezer and remove it.

Step 11



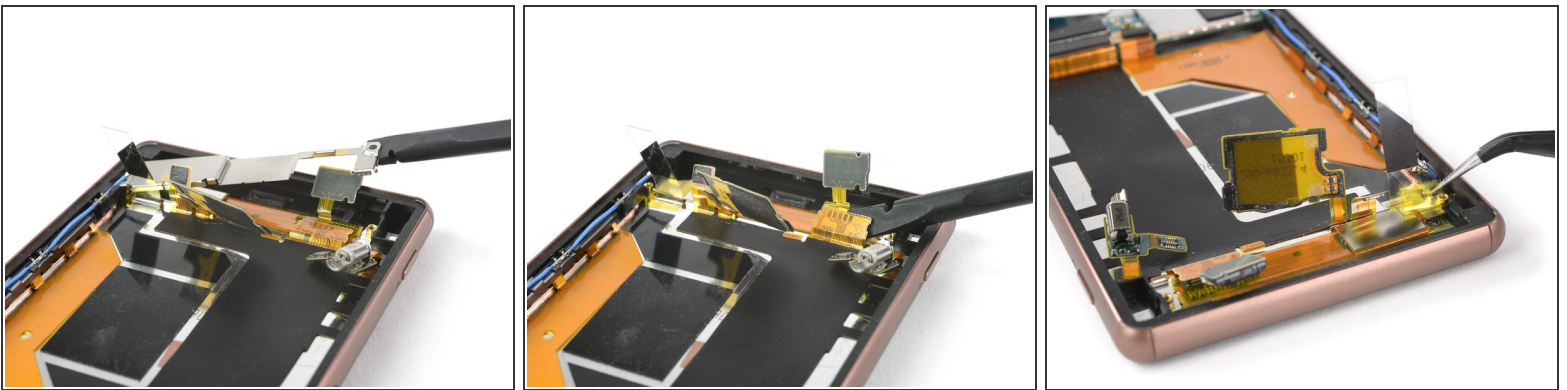
- Lift up the main flex cable covering the loudspeaker assembly with a Spudger
 - ⚠ Take care to not damage the loudspeaker. The flex cable is attached to the assembly with adhesive and is a little bit sticky.
- Lift up the whole loudspeaker assembly with a spudger and remove it.

Step 12



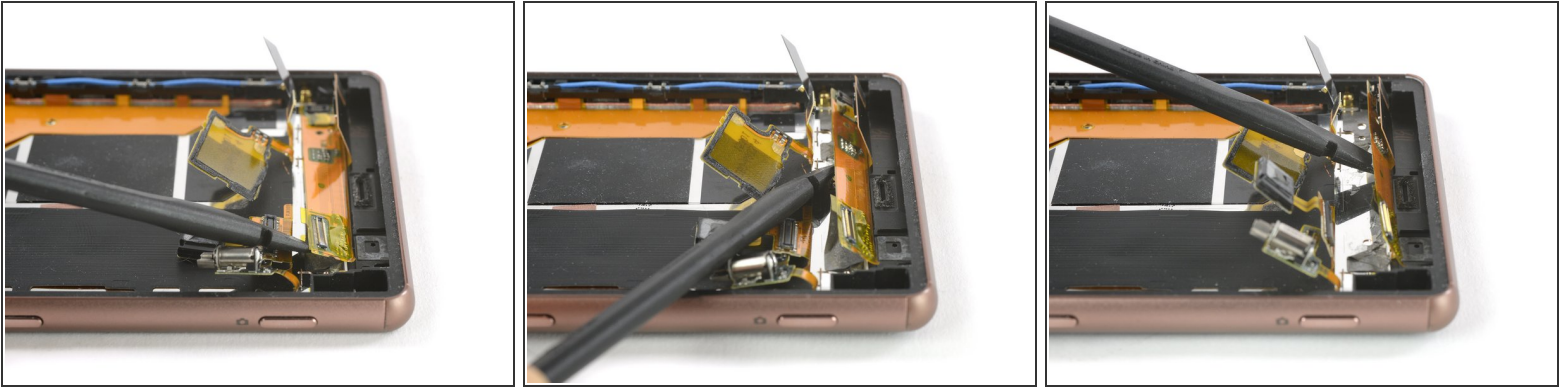
- Use a spudger to lift up the end of the main flex.
- Remove the bronze foil covering the connector of the main flex with a tweezer.

Step 13



- Lift up the metal plate which is placed beneath the loudspeaker assembly and remove it.
- Unplug the main flex cable.
- Use a tweezer to remove the yellow adhesive foil covering the display flex cable.

Step 14 — LCD & Digitizer



- Use a spudger to gently slide beneath the display flex cable and lift it up.

Step 15



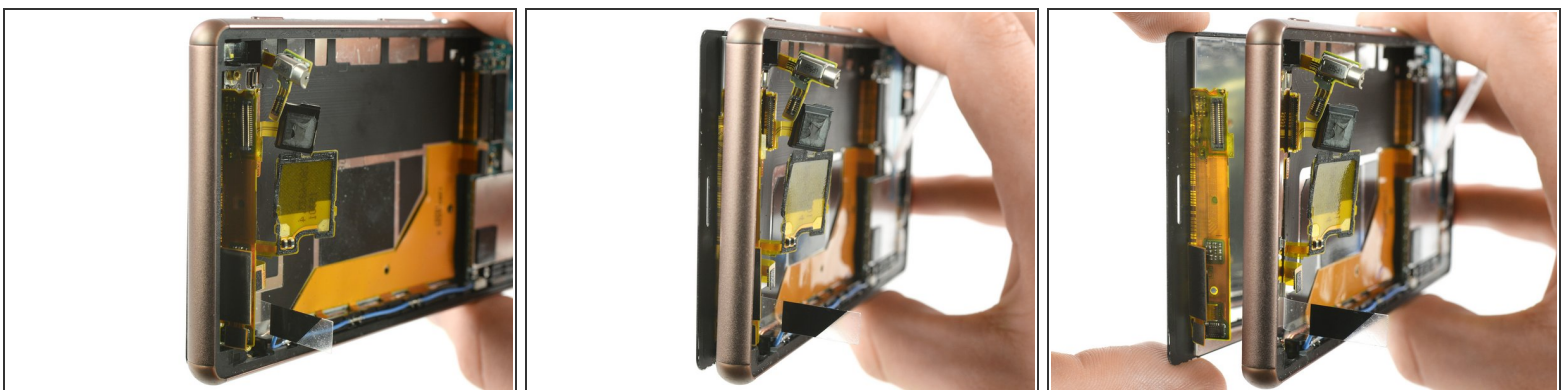
- Use an iOpener to loosen the adhesive underneath the display of your phone.
 - ⚠ The stickiest areas are in the upper and lower area of your display. After cooling down, the adhesive will stick to the mid frame again. If needed reheat it.
- After the adhesive at the lower end of your phone is loosened, pull up the display with your suction handle and insert an opening pick.

Step 16



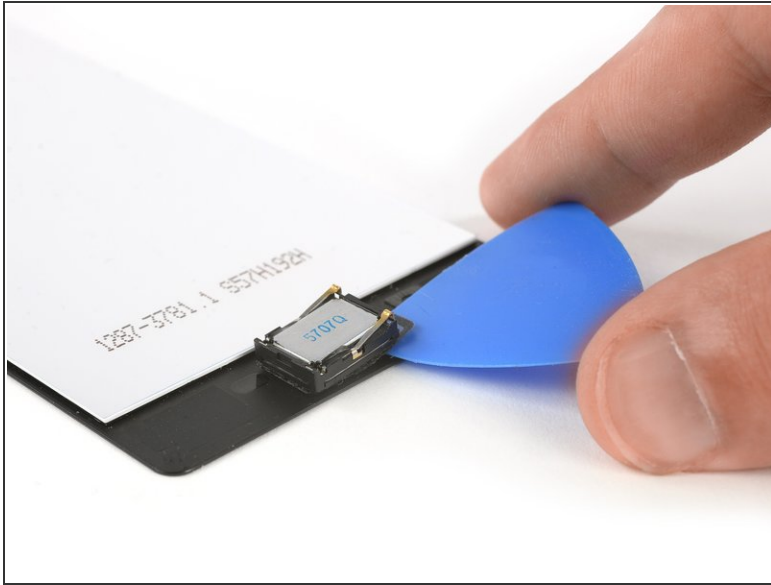
- After loosening the adhesive in the lower area of your phone with an opening pick, insert another opening pick approximately 1/16 of an inch and slide it along both sides of the phone to separate the display from the frame.
- ⚠ Take care! While you're loosening the adhesive beneath the upper part of your phone, do not insert the opening pick too deep between the display and the mid frame. The earpiece is placed right beneath the "Sony" Logo and you don't want to damage it.
- After loosening all the adhesive beneath the display twist the opening pick in the lower end of your phone a little bit to lift up the display.

Step 17



- To fully remove the display off your phone, you need to thread the display flex cable through the gap of the mid frame in the bottom end of your phone.
- ⚠ Take care of all the connectors of the main flex cable hanging around and of course the display flex cable itself.

Step 18



- If you didn't manage to keep the earpiece in its place while removing the display you have to remove it now.
 - ⚠ The earpiece is extremely sticky and might be damaged while removing it.
- Use an iOpener to soften the glue, then use an opening pick to slide between the the earpiece and the display and carefully take off the earpiece speaker.
- ☑ When reassembling put the earpiece speaker back on the frontside of your phone.

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