



OnePlus One Display Assembly Replacement

This guide will walk you through removal and replacement of the display panel in your OnePlus One smartphone.

Written By: Javier Cruz





TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)



PARTS:

- [OnePlus One Screen](#) (1)

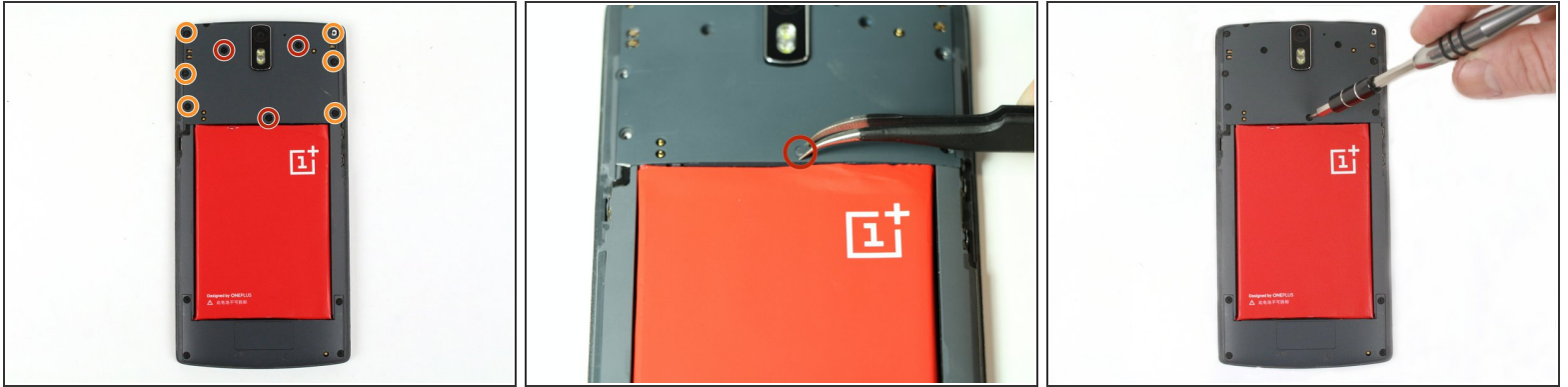
Step 1 — Battery



- Remove the SIM tray.
- Using a plastic opening tool, carefully separate the back panel from the main body assembly of the phone. Be extra careful around the SIM slot or other weak areas.
- You may encounter some resistance due to hidden locking clips around the inside edge of the phone. Not to worry; just move in one consistent direction around the phone as opposed to jumping from spot to spot!
- Top to bottom, left to right, clockwise or counter clockwise, once we make it about half way around the device, the panel is easily removable by hand.

⚠ It is of utmost importance that you do not attempt to free the battery from the device at this point without proceeding to the following step! This is an *integrated* battery that can easily be damaged or destroyed if the proper steps are not taken.

Step 2



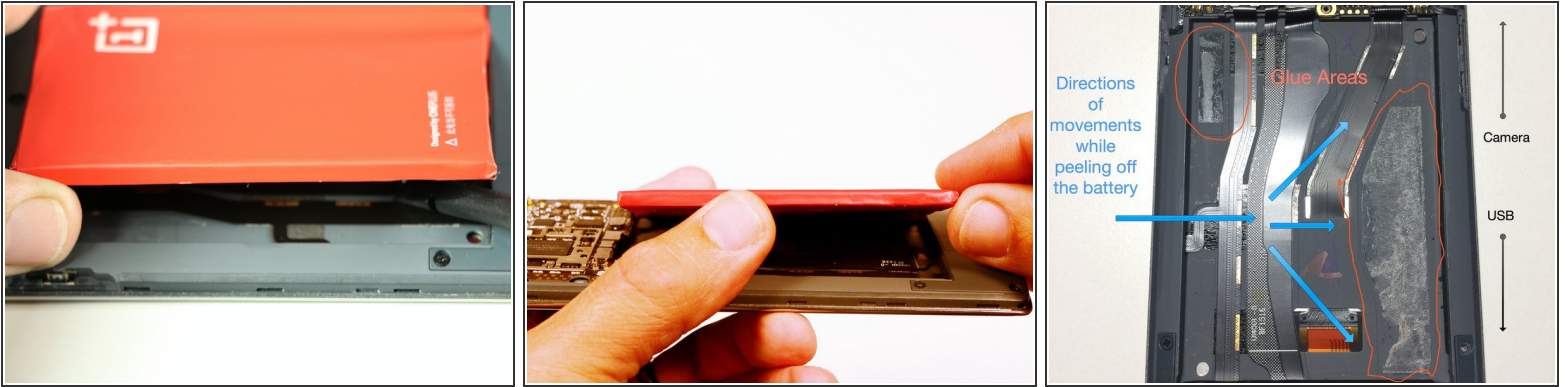
- Using a pair of tweezers, remove the plastic plugs.
- Once the hidden screws are revealed, use a PH #00 screwdriver to remove the three 3.175mm screws.
- Use the PH #00 screwdriver to remove the remaining six 3.175 screws.

Step 3



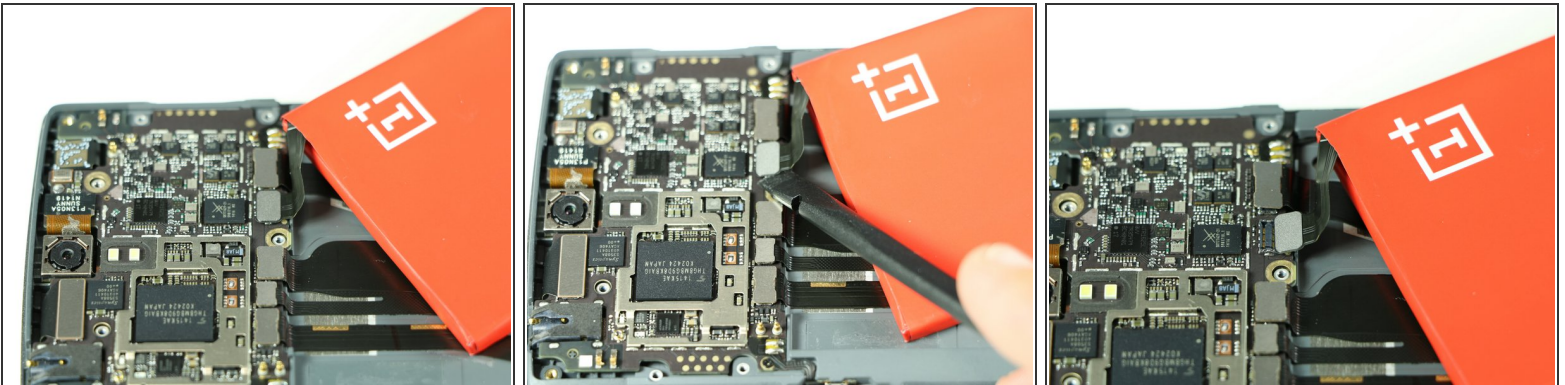
- Using a plastic opening tool, gently pry up the black plastic cover and remove it from the device.

Step 4



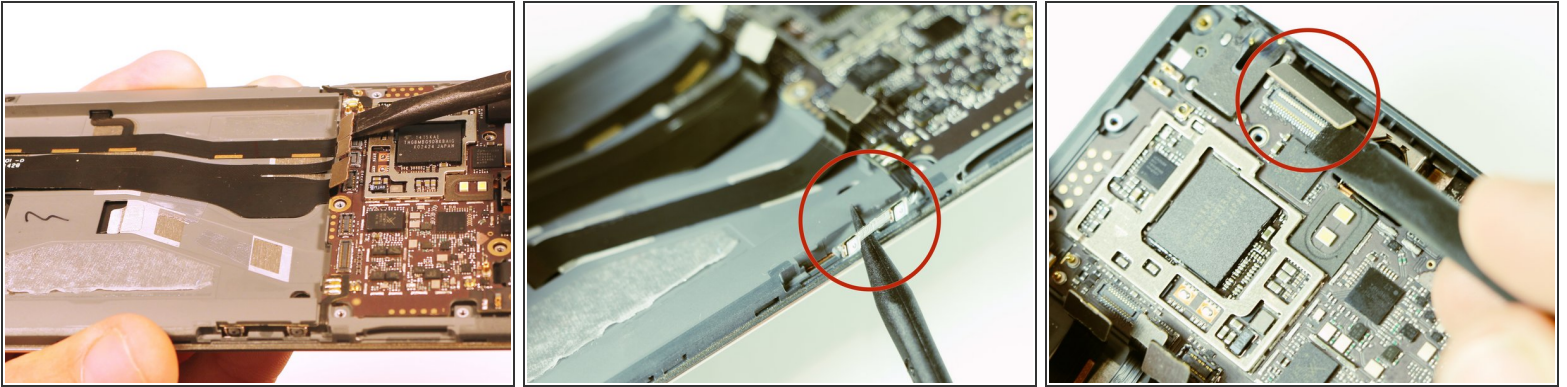
- After we have removed the motherboard cover, we notice that the battery is intact and has a black ribbon attached to it, which is mounted on the logic board.
 - Using the spudger, carefully begin to lift the the battery up from the side opposite the ribbon. Be aware that there is high-grade adhesive holding the battery in its bay, so proceed with caution.
- ⚠ This battery is not encased in a hard shell so it is soft and malleable. Caution must be taken during removal so as not to cause permanent damage.

Step 5



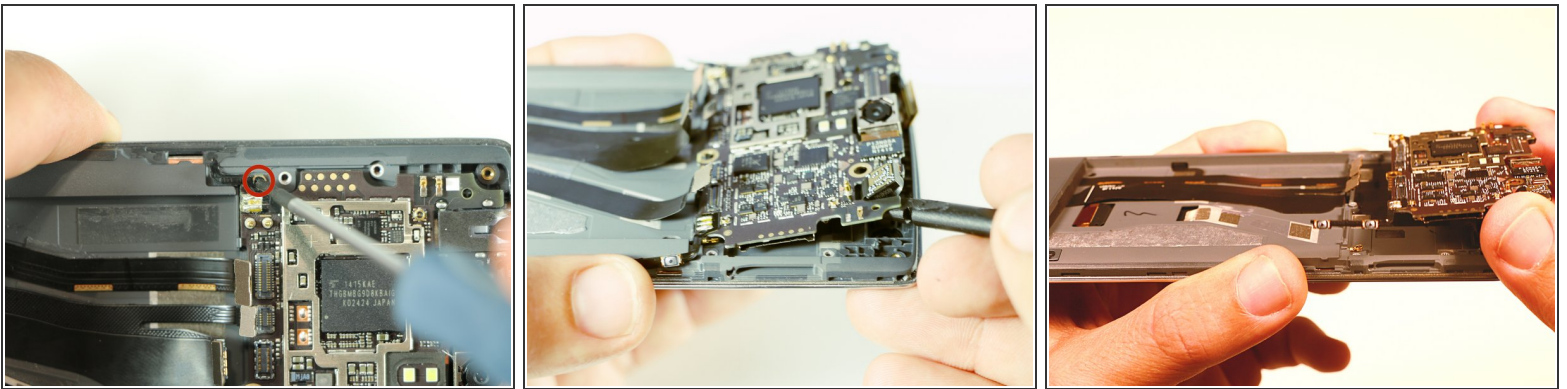
- Once the battery has been freed, we use the ever handy black spudger to pry up and free the battery ribbon from its dock.
- i** You can disconnect the battery before freeing it to make removal easier.

Step 6 — Removal of Ribbons



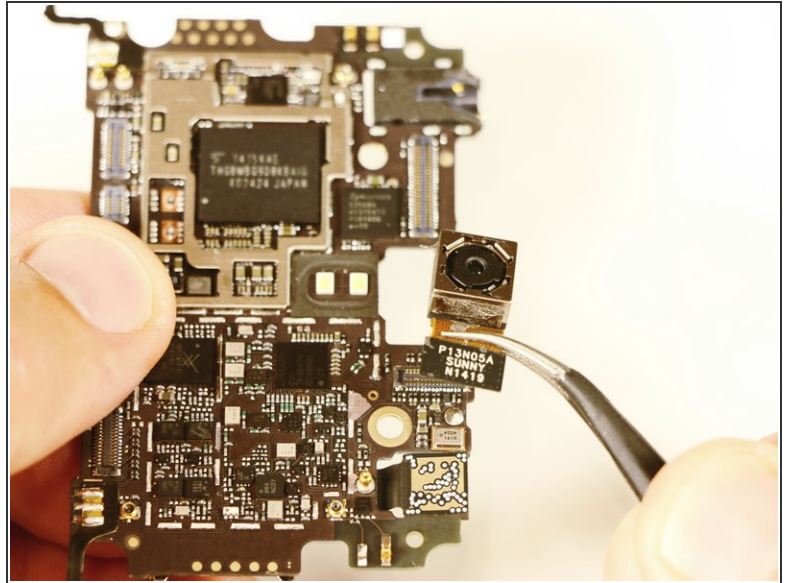
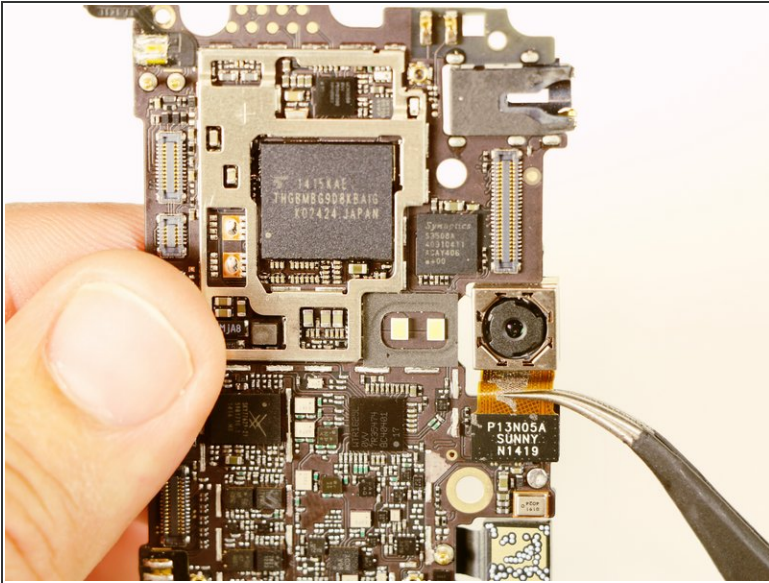
- After the battery has been removed, use the spudger to disconnect the remaining ribbons.
- Notice that there are two side ribbons, one on each side (volume up/down and power), and a top ribbon as well as those from the battery compartment.

Step 7 — Removal of Motherboard



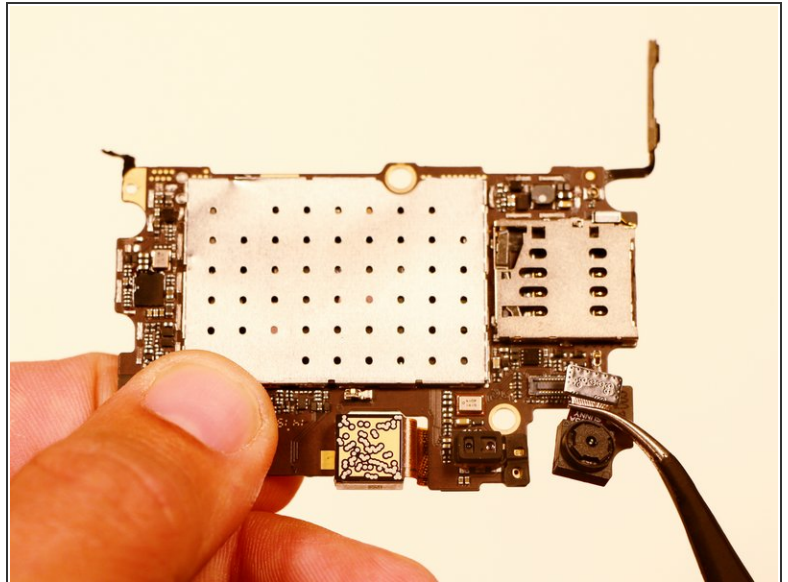
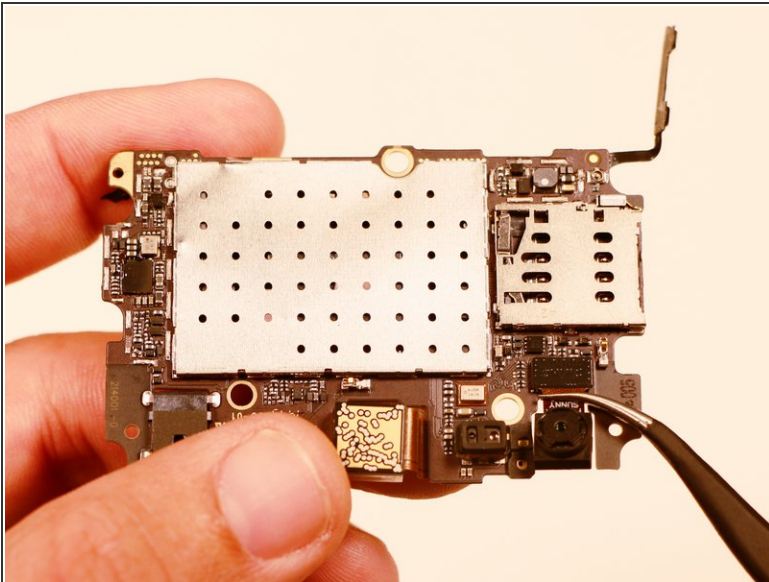
- After removal of the ribbons, there is one final screw. Once you have removed this, the motherboard easily pries out with spudger.
- This is the only screw that differs in size. This screw is a philips 00, 3.00 mm. in length.

Step 8 — Removal of Rear Facing Camera



- Once the motherboard has been removed simply pry off the rear facing camera with a spudger or angled tweezers.

Step 9 — Removal of Front Facing Camera



- Once the motherboard has been removed simply pry the front facing camera off of its connector with a spudger or angled tweezers.

Step 10 — Display Assembly



- After the motherboard and other connected parts have been disconnected, apply heat to the screen/panel of the phone
- We used an [iOpener](#) for this guide, but you can also use a heat gun or hairdryer for this step.

Step 11



- After heat has been applied use an opening pick to pry the screen away from the frame. Although a blue opening tool is preferred, you can use a guitar pick as well or similar hard plastic tool.
- Now simply lift the screen away from the body of the phone and separate.
- Watch it! There is a tiny frame to position the display. It is located on roundabout half the thickness of the display you see. Place the tool there to pry open or you will have to glue the positioning frame onto the phone first and then glue the display to the frame.

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