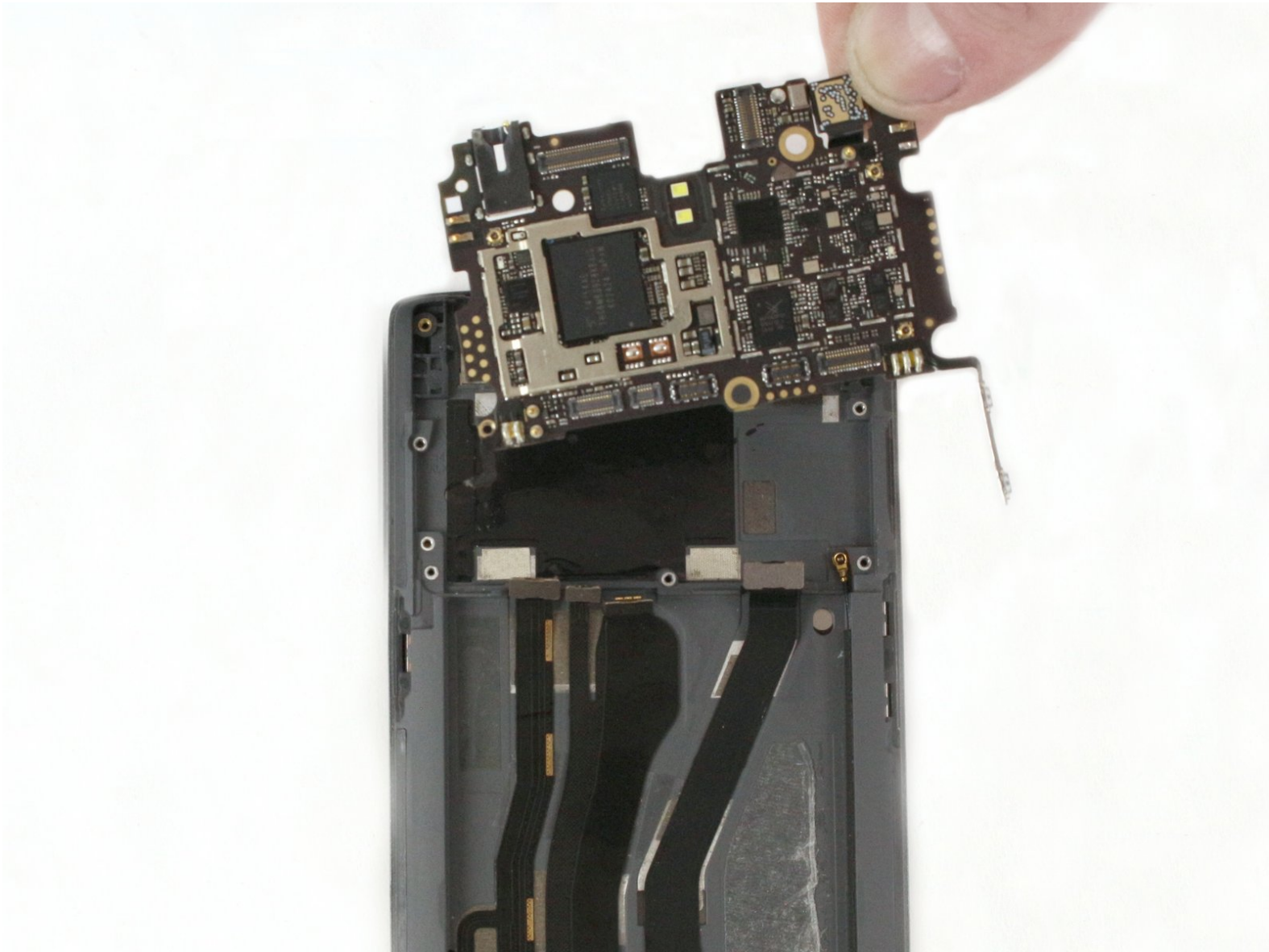




OnePlus One Motherboard Replacement

Use this guide to replace the Motherboard in the OnePlus One.

Written By: Justin Ogihara



INTRODUCTION

If you're experiencing issues with your motherboard, use this guide to replace it. Be careful not to damage any connectors or wires in the process of opening up your phone.



TOOLS:

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



PARTS:

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

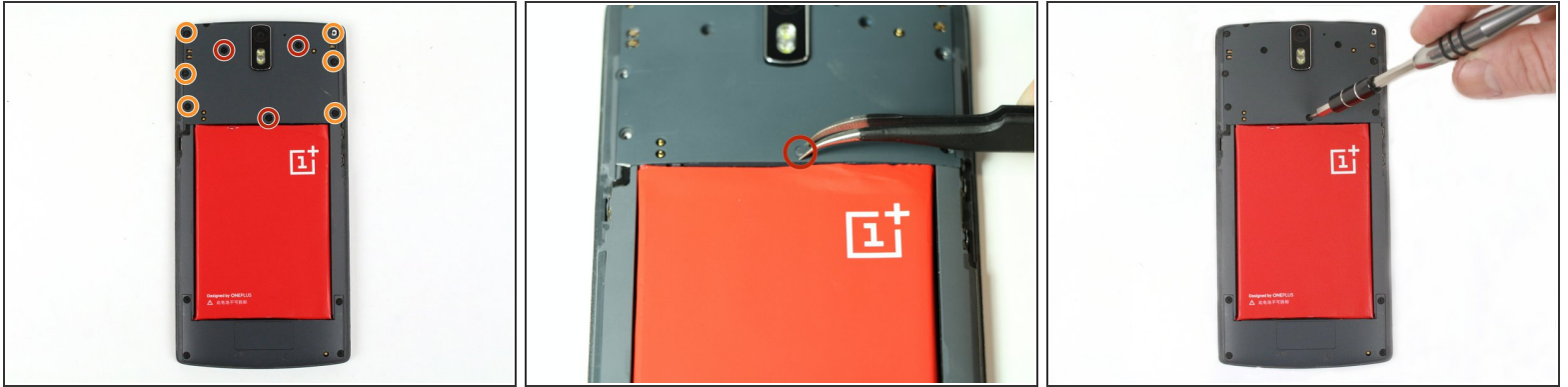
Step 1 — Battery



- 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



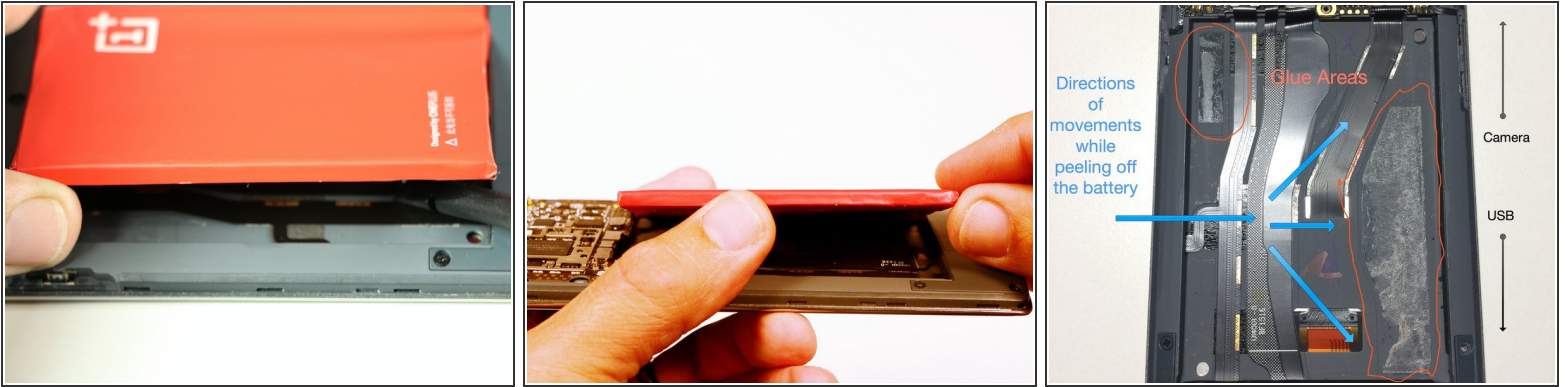
- Using a pair of tweezers, remove the plastic plugs.
- Once the hidden screws are revealed, use a PH #00 screwdriver to remove the three 3.175mm screws.
- Use the PH #00 screwdriver to remove the remaining six 3.175 screws.

Step 3



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

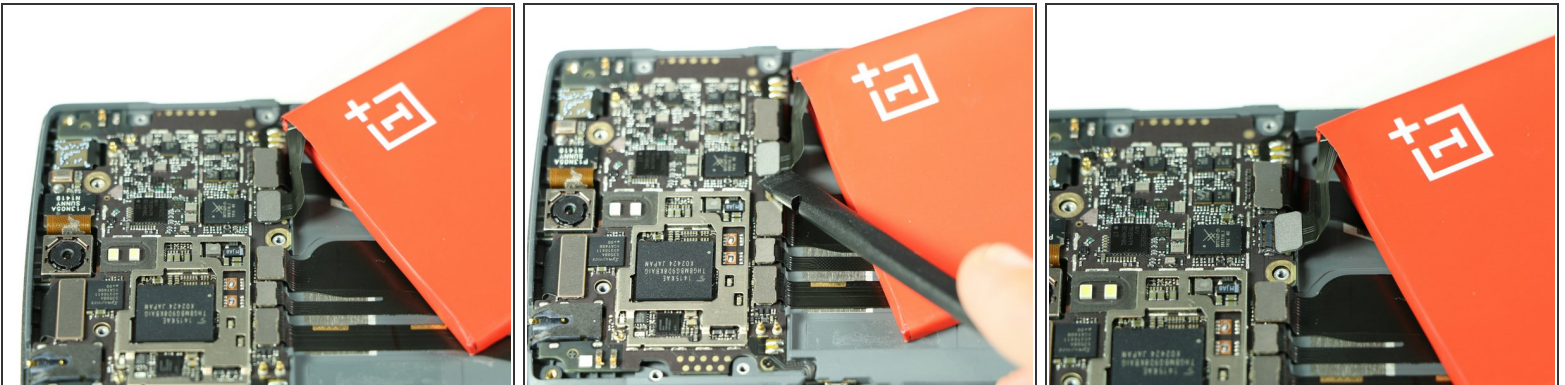
Step 4



- 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.

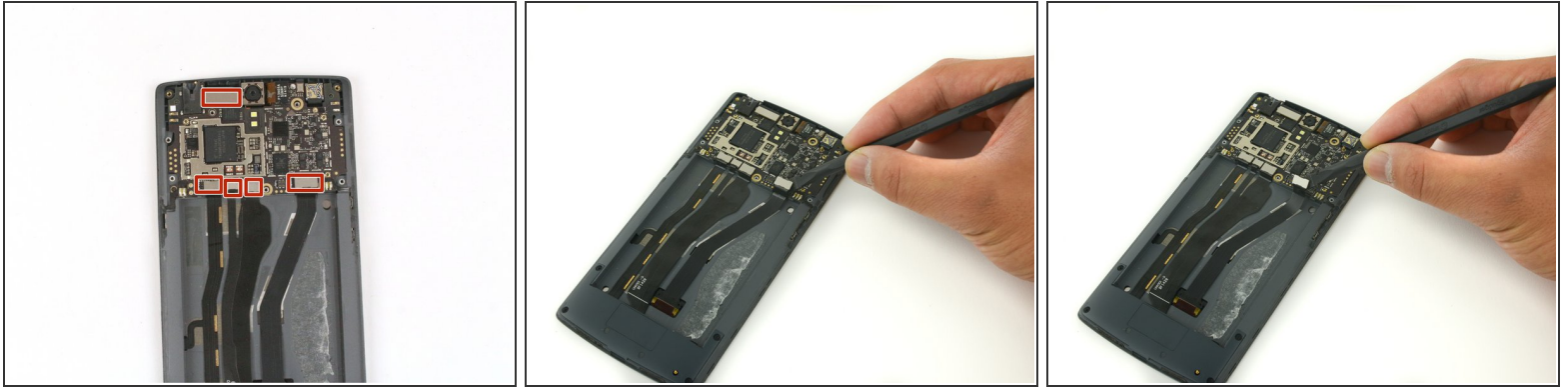
⚠ This battery is not encased in a hard shell so it is soft and malleable. Caution must be taken during removal so as not to cause permanent damage.

Step 5



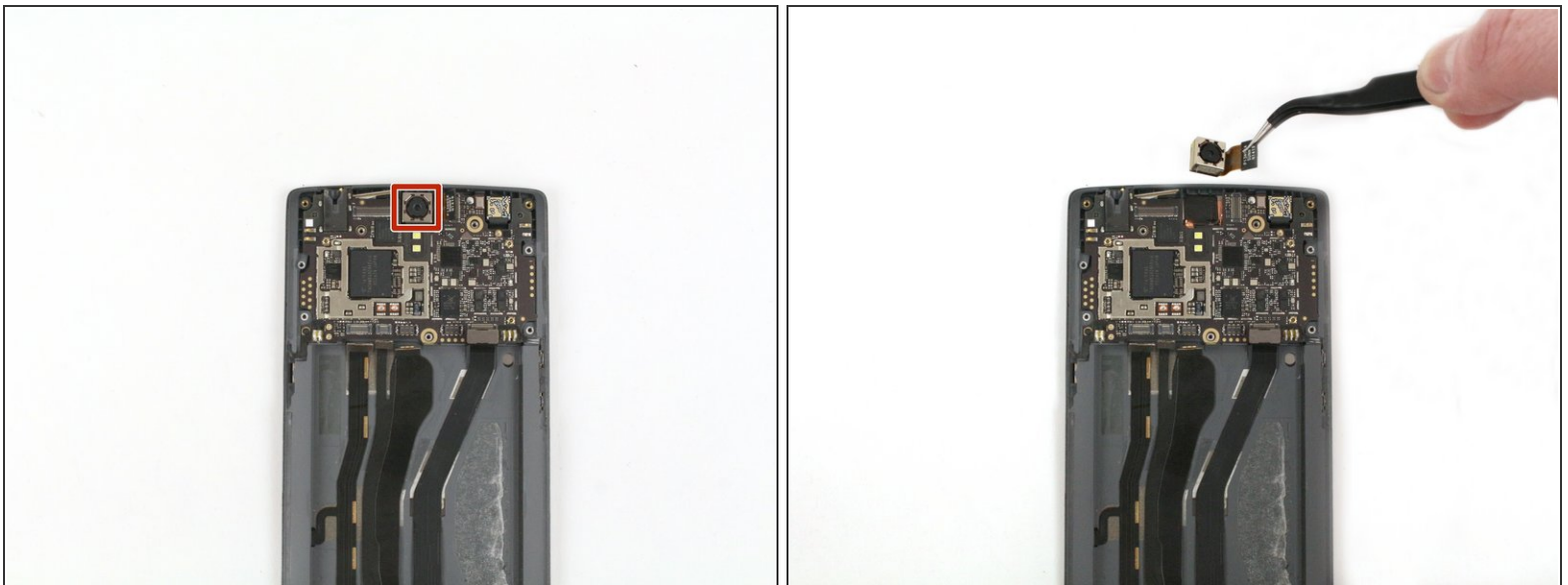
- Once the battery has been freed, we use the ever handy black spudger to pry up and free the battery ribbon from its dock.
- i** You can disconnect the battery before freeing it to make removal easier.

Step 6 — Motherboard



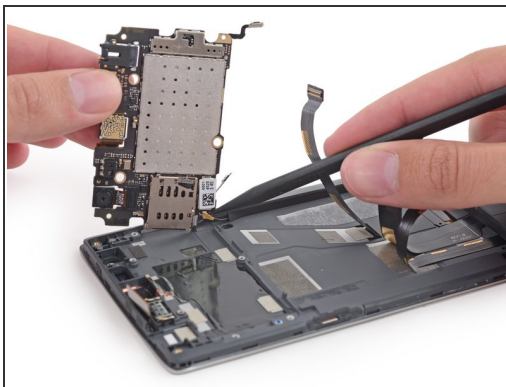
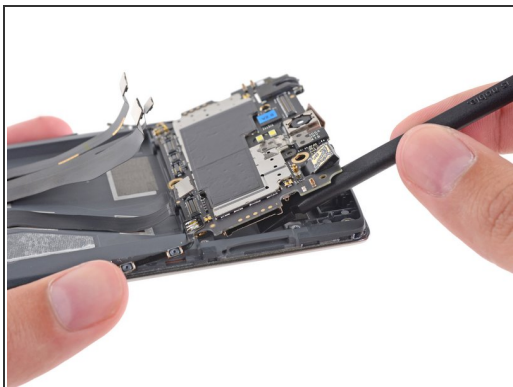
- Using a black spudger, disconnect all connectors by lifting up gently.

Step 7



- Using a pair of tweezers, gently lift the front facing camera out of the device.

Step 8



- Gently lift the top side of the motherboard and disconnect the antenna to free it from the device.
- ⓘ The volume and power buttons are soldered onto the motherboard and must be removed with it. To make the process easier, gently pry the buttons out before removing the motherboard.

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