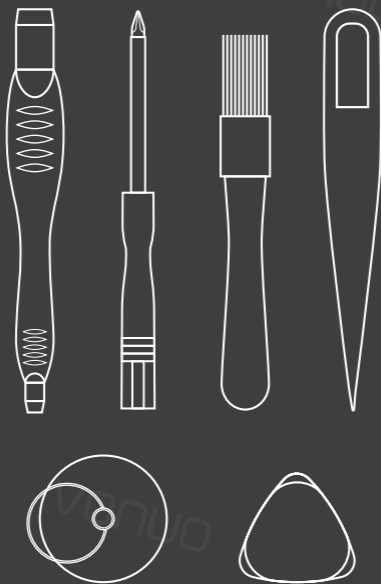


VONUO



## Battery Replacement Guide

for iPhone 5 series

## **Our Promise of Quality:**

VONUO premium Lithium Polymer batteries provide excellent continuous power for mobile phones. The multi protection system and unique memory metal fuse ensure safety and durability. Every battery is factory tested following the VONUO CQCG 6.3 (Certified Quality Control Guidelines). Precise sizes for perfect fit, efficient intelligent management chips and high-density polymer cores meet highest user expectations. Designed and all parameters specified in Germany.

## **Important:**

Please refer to your phone manual before installing and using the replacement battery. DO NOT disassemble, cut, puncture or crush the battery. Keep the battery away from fire, heat, water, oil and corrosive chemicals. Follow applicable regulations when disposing.

## **Warning:**

Upon opening your iPhone any product warranty granted by Apple® may expire.

## **Package Includes:**

- 1 x Lithium Polymer Battery
- 1 x Battery Adhesive Strap
- 1 x Repair Tool Kit consisting of:
  - 1 x Plastic Spudger
  - 1 x Plastic Tweezers
  - 1 x Tri-Point Screwdriver
  - 1 x Phillips Screwdriver
  - 1 x Pentalobe Screwdriver
  - 1 x Suction Cup
  - 1 x Plectrum
  - 1 x Brush
- 1 x Battery Replacement Guide

## Overview of the tools required for installation

1 x Plastic Spudger



1 x Plastic Tweezers



1 x Tri-Point Screwdriver



1 x Phillips Screwdriver



1 x Pentalobe Screwdriver



1 x Suction Cup



1 x Plectrum



1 x Brush



## Important information about the installation

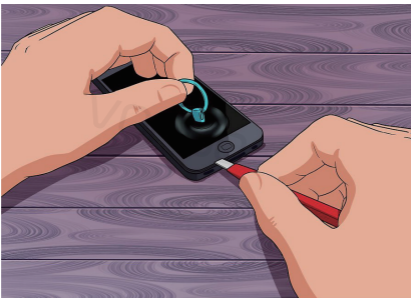
We advise you to install the battery in attendance of a professional if you are not completely comfortable with the handling of electronic devices. We do not recommend relying on a video tutorial. Most of the problems such as electrostatic charge occur due to incorrect installation.

VONUO is not liable for any problems caused by incorrect installation.

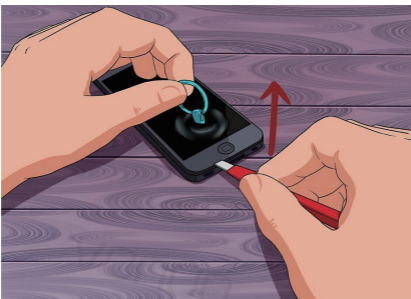
## Installation



- 01** Remove the two Pentalobe screws next to the Lightning port. This is the charging port at the bottom of the phone. You'll need a Pentalobe screwdriver to remove these screws.

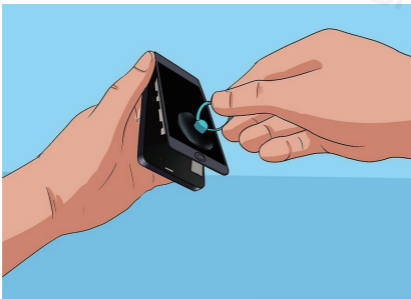


- 02** Secure a suction cup to the front of the phone. Press the suction cup onto the screen, just a bit above the Home Button. Apply enough pressure to form a tight seal. A tight seal is necessary to hold this front half up as you try to disconnect it from the bottom.



- 03** Pry the rear case down. Lift the suction cup upward with one hand while pulling down on the rear case with your other hand. Once enough of a gap forms, slide a plastic opening tool in between the two halves and pry the rear case away more firmly.

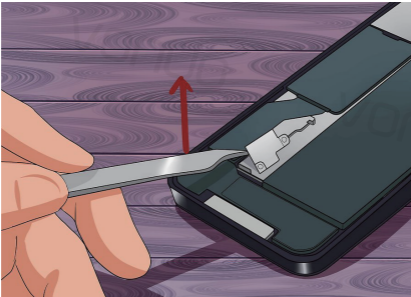
- 04** Disconnect the Home button before opening the iPhone completely (5s only). If you have a 5s, you'll notice a cable leading from your Home Button to the bottom of the iPhone. If you separate the two halves too quickly, you'll break this cable, which will make your Home Button useless. You'll need to disconnect this cable before proceeding: Pop the metal bracket holding the cable to your iPhone off with a spudger. Pry the cable out of the connector, making sure not to remove the socket as well.



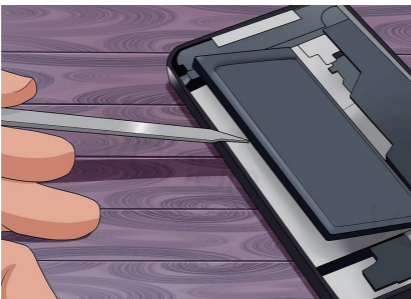
- 05** Open the iPhone so that the display is at a 90° angle to the base. Use the top as a hinge, and rest the screen against a book or a box at a 90° angle so that you can work on the insides without holding it. Don't let it open further, or you may damage the cables connecting it.



- 06** Remove the two screws holding the battery connector bracket in place. This bracket can be found about an inch up from the bottom of the phone, directly to the right of the battery. Use your screwdriver to remove the screws surrounding the cable bracket. Then, use your fingers to lift the front panel assembly cable bracket from the logic board inside the rear case.



- 07** Disconnect the battery from the logic board. Use a spudger or your fingernail to pry the connector out of the socket. This connector was protected by the bracket you just removed. Be careful not to pull the socket out with it.
- 08** Disconnect the digitizer (display). To make things easier, you can remove the display so that you don't have to keep it propped up. This can help prevent damage to the cables, but is not strictly required to remove the battery:  
Remove the four screws (three for the iPhone 5) holding the connector bracket plate in the upper-right corner. Make sure to note which screws go in which holes, because it is vitally important that they return to the same ones. Disconnect each of the cables that were housed underneath the bracket. Make sure to not pry the sockets off of the logic board. The 5 has three cables, the 5C has two, and the 5S has three. Once all of the cables are removed, you can separate the display from the rest of the iPhone.
- 09** Peel the adhesive back from the bottom edge of the battery. You'll see a black tap stuck to the bottom of the battery. Peel this back to reveal two strips connected by the black tab.
- 10** Cut the black tab to separate the adhesive strips. You'll see that the two strips have space in between them. Use scissors to cut the black tab in half, making two different strips.
- 11** Pull each strip out from the bottom of the battery. Grip and pull one of the strips out and then to the side. Pull at a slight angle out from behind the battery. Continue pulling while running up the side of the battery, until the entire strip is free. Repeat with the other strip on the other side.
- 12** Heat the back of the iPhone if the battery does not come out. There's a good chance that the battery is still stuck to adhesive residue. Heat the back of the iPhone with a hairdryer for about 60 seconds.



- 13** Use a credit card or similar strong plastic card to pry the battery out after heating it. Make sure to not bend the battery itself when prying it out.
- 14** Replace your battery and reassemble the iPhone. Once your battery has been removed, you can replace it with a new one and reassemble all of the pieces. Make sure that all of your connectors are securely fastened, and that all of the screws went back in their original holes.
- 15** After reassembly, perform a hard reset by pressing and holding the Power and Home buttons until the Apple logo appears. New batteries should be drained to below 10% and then charged to 100% before using them for the first time for maximum efficiency.

## **Well done, you've successfully installed your new VONUO battery!**

If you are happy with your battery why not leaving a review for future customers?

## **FAQ's**

### **Why does my mobilphone suddenly shut down right after the installation of the new battery?**

The brand new battery in its original state has zero charging cycles. The battery is still in a sleep state. This means that the lithium ions are not activated, yet. In order to activate them all you got to do is to automatically let your phone shut down by itself, then put it on charge until fully charged. This may take up to 12 hours. Repeat this step 3 times and you are ready to go with full battery capacity. The phone should now run smoothly with maximum running time.

### **How to maintain the durability of the battery?**

Do not expose the phone to temperatures over 30° and under 5 degrees. This may result in a power shortage and the consumption of the battery will increase. Using unlicensed charging devices may also result in a quicker discharge.

### **How to correctly charge your phone?**

The first three charging cycles may take longer than usual. It is recommended to charge for more than 10 hours to completely activate the battery. After the first three charges the battery is sufficiently charged and only then the maximum capacity is reached.

### **Before I start, what else do I have to consider ?**

We advice you to install the battery in attendance of a professional if you are not completely comfortable with the handling of electronic devices. We do not recommend relying on a video tutorial. Most of the problems such as electrostatic charge occur due to incorrect installation.

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**For more information, please visit:**

**[www.vonuo.com/support](http://www.vonuo.com/support)**

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