

FIXXOO

Battery Repair Set



Anleitung / Manual

FIXXOO

With the Fixxoo repair set, you can bring your iPhone back to life in no time! Everything you need is included in this package.

You can find complete video instructions, FAQ, and further help with repairing your iPhone 11 Pro at:

www.fixxoo.com

Safety information

1. Your smartphone must be turned off during assembly/disassembly. The battery should be empty (max. 20%) before you start the repair. This protects you and your device from ignition.
2. If handled improperly, the battery may explode or cause a fire. Do not expose the battery to be replaced or the Fixxoo battery to excessive heat such as direct sunlight, fire or the like. Only use the supplied power cable to charge the iPhone.
3. Leaking battery fluid can cause burns if it comes into contact with skin or other parts of the body. If you notice battery fluid leaking, be sure to avoid contact with skin, eyes or mucous membranes. If you accidentally come into contact with battery fluid, rinse the affected area immediately with plenty of clean water and seek medical attention. Be sure to use protective gloves in case of battery leakage and wipe off the leakage with a dry, absorbent cloth.

Please note: After changing the battery, the iPhone is no longer watertight, and all warranties provided by the manufacturer are voided!

Your tools

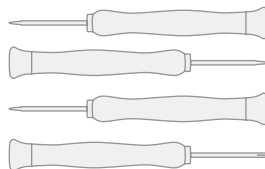
Spudger

With the spudger you can lift and separate plugs and other components.



Screwdrivers

Three high-quality screwdrivers (pentalobe, phillips, and triwing) help you remove and insert the different types of screws.



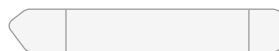
Suction puller

You'll need the suction puller to lift the display.



Lifting tool

With the lifting tool you can loosen glued areas and remove components from the case.



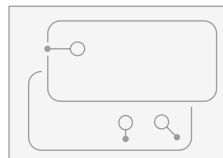
Tweezers

Use the tweezers to work on the sensor assembly more conveniently.



Screw map

The magnetic screw map lets you collect screws and other small metal parts until you need them for reassembly.



Replacement adhesive strips

For fixing the Fixxoo battery in the iPhone at the end of the repair.

Successful DIY repair

You'll find all the information in this repair manual printed in three colors:

All the information directing you step-by-step through the DIY repair of your iPhone is in gray. Follow these steps to complete the repair successfully.

Optional information which makes the repair easier is in italics.

All warning indications which are critical to follow, even if they are not part of the step-by-step repair, are in red.

PART 1: REMOVING THE DISPLAY

01



Opening the case

⚠ Discharge the battery to 20% or less before beginning the DIY repair. Otherwise it could possibly catch fire or even explode in case of accidental damage.

- Turn off the iPhone before you begin.
- Remove both 6.9mm Pentalobe screws at the bottom edge of the phone.
- *Tip: After opening the iPhone, the seals will no longer be watertight, so it's best to install new seals. If you don't wish to do this, you should be careful with the iPhone in wet environments.*
- *Tip: You can continue to use the Pentalobe screws if the black rubber seal is undamaged. If it is not, it is better to replace the screws.*

Masking the display

- Is your display cracked? Then you should cover it with adhesive tape in order to avoid injury.
- Overlap the tape strips so that they completely cover the surface of the display.
- *This makes the display more stable and easier to remove.*

⚠ Eye protection (e.g. safety glasses) is recommended during repair, to protect against any possible glass shards.

- Gently heat the bottom edge of the iPhone (where the Lightning connector is located) with a hair dryer. This softens the adhesive, making the case easier to open.

Lifting out the display with the suction puller

02



- Attach the suction puller (part of the Fixxoo tool kit) near the bottom edge of the phone.
- *Tip: if the display is heavily damaged, you can either attach the suction puller with adhesive tape or form a handle with tape (instead of the suction puller) and stick it on the display. As a last resort, you could attach the suction puller to the cracked display with strong glue.*
- Pull the display glass up with the suction cup to open a small gap between the display and the frame. Insert the pick there.
- Lift the display glass with the suction puller to open a small gap between the display and the frame.
- Insert the lifting tool into the gap.
- The adhesive is very strong, so you'll need to use some muscle to open a gap. Heat helps! Use a hair dryer to soften the glue on the bottom edge.
- Move the suction puller repeatedly upward and downward. If it is too difficult to open a gap, you'll need to apply more heat. Carefully move the display up and down, loosening the adhesive, until the gap is wide enough to insert the tool.

EN Separate the glue seal between the display and the frame.



- Starting from the lower-left corner, slide the lifting tool up the left side of the frame (to the position of the mute button), to separate the glue seal holding the display and frame together.



- Repeat this step starting from the bottom edge and going along the right side of the frame.

⚠ Do not insert the lifting tool too far into the iPhone, to avoid damaging inner components.

Loosening the upper edge

- Now the display is still attached to the frame at the upper edge. It is attached here with both glue and clips. Slide the lifting tool around the upper right corner. Gently move the display toward the bottom edge, gently wiggling the display.

⚠ Be patient and gentle so as not to damage the clips. Also, be sure not to insert the lifting tool more than a few millimeters into the case, to avoid damaging the sensors at the upper end of the display.



- Completely separate the rest of the glue at the upper end of the frame by sliding the lifting tool to the left.

Removing the suction puller



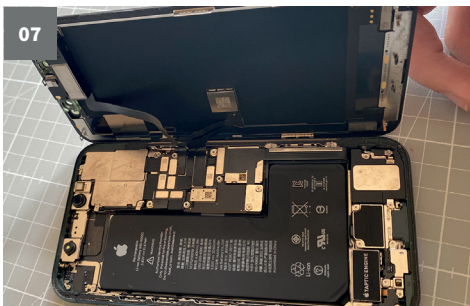
- Next, remove the suction puller by pulling on the small tab at the edge. Now you can remove it from the display.

Opening the iPhone

- The display is connected to the logic board on the right side of the iPhone with ribbon cables. You can open it from the left edge just like a book.

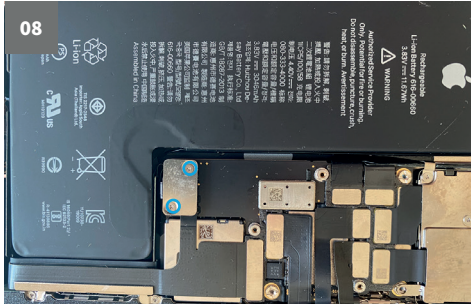
⚠ Open the iPhone carefully so as to avoid damaging the sensitive cables.

- *Tip: use an object to support the display from underneath.*



PART 2: WORKING ON THE IPHONE CASE

Removing the cover of the battery connector

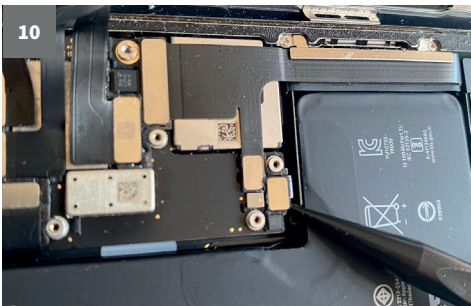


- Loosen the two Triwing screws with the screwdriver.
- These fasten the connector of the battery.



- Then you can remove the cover with the tweezers.

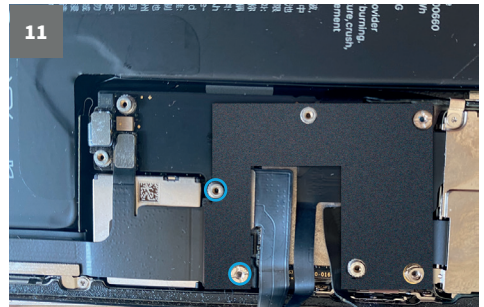
Removal of the battery plug



- Remove the battery plug with the tip of the spudger.

⚠ Like the other plugs in the device, the battery plug has a black silicone seal which protects it from water and dust. Take care not to damage this seal.

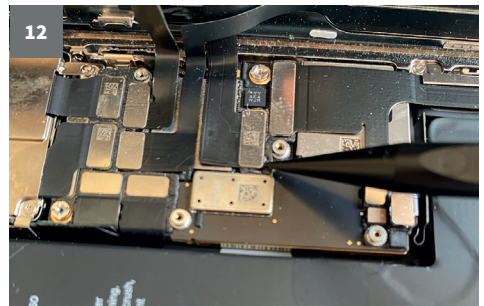
Remove Logic Board Cover



- The cover of the logic board is fixed with six Triwing screws.
- Remove them and put them in the correct place on the magnetic mat. This will help you to reinstall the correct screws.
- Then remove the cover with the tweezers and put it aside.

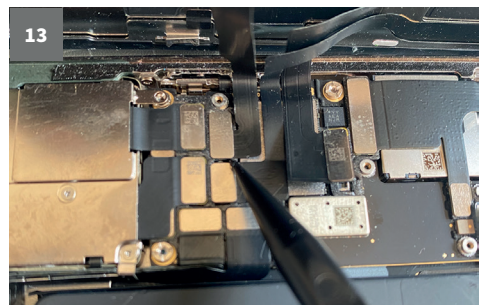
Loosen the display connector

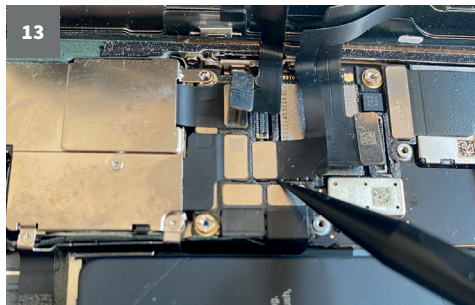
- Insert the tip of your spudger under the plug of the display cable and gently push it out of its connector.



Disconnect the touchscreen connector

- Do the same with the touchscreen connector next to it. Take good care of the ribbon cable.

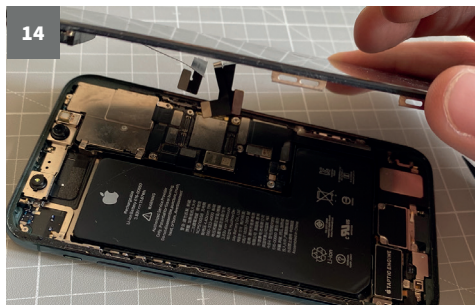




- Now there is the plug of the front sensors, which you disconnect in the same way.

⚠ Caution: The ribbon cable must not be tensioned in the process so as not to damage it.

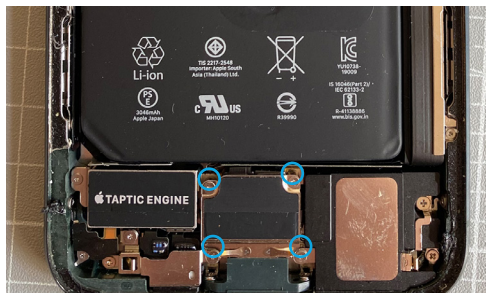
Lifting the display



- The first part is done and the display is separated from the case.

PART 3: STEPS TO REMOVE THE BATTERY

Removing the cover of the lower battery connector



- Remove the four Triwing screws that secure the cover below the battery next to the Taptic Engine.



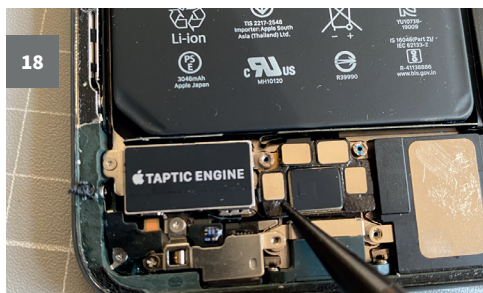
- Then remove the cover with the tweezers.

Disconnecting the battery plug



- Release the battery connector from below with the tip of the spudger. Pay attention to the ribbon cable.

Remove Taptic Engine connector

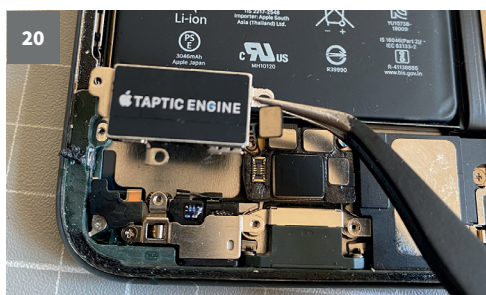


- Then remove the plug of the Taptic Engine in the same way with the tip of the spudger.

Remove Taptic Engine

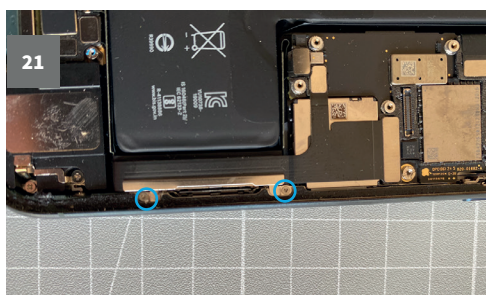


- Loosen the three screws of the Taptic Engine. These are two triwing screws and one spacer screw.

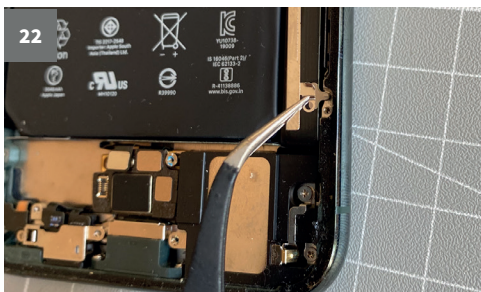


- Now remove the Taptic Engine with tweezers and set it aside.

Remove the bracket of the ribbon cable

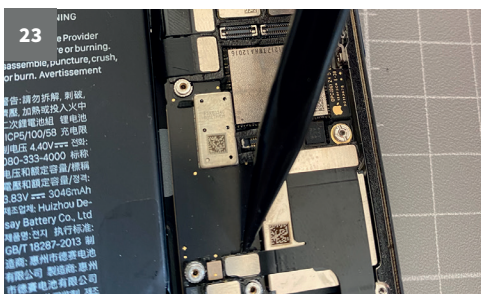


- Now remove the two Triwing screws that secure the ribbon cable to the right edge of the case.



- Put the holder aside with a pair of tweezers.

Disconnect the two Lightning connectors



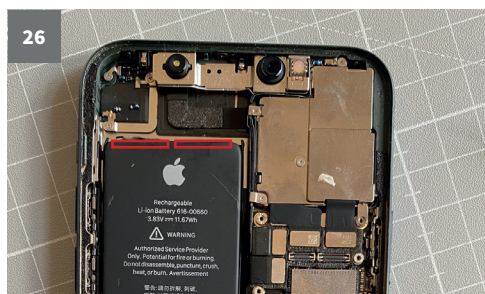
- Now release both plugs that connect the ribbon cable to the Lightning connector with the tip of the spudger.

Lift up ribbon cable



- After having disconnected both connectors: Lift up the ribbon cable and turn it to the lower edge of the case.

Remove the adhesive strips



- There are five adhesive strips on the sides of the battery. These fix the battery inside the casing.

Remove battery



- Grasp all adhesive strips with the tweezers and carefully remove them. You must not perforate the battery in the process. Otherwise, the battery fluid could leak out, which can irritate the eyes, respiratory tract and skin and cause an inflammation.

⚠ The adhesive strips are replaced. Suitable replacement adhesive strips are included in your Fixxoo repair kit.



- Are all the adhesive strips loose? Then you can lift the battery out of the case.

⚠ If one of the adhesive strips tears: Please do not react with force. Do not squeeze or bend the battery. Often, a little solvent dribbled under the battery or heating with a hair dryer will help.

Reassembly of the Fixxoo battery

When reinstalling the Fixxoo battery, perform all the steps of the instructions from the back to the front.

Please note the following points:

Figure 8: Make sure to place the display in the right position and align the clips on the top edge correctly. Carefully press the top edge in first. Only then snap in the other display edges. The clips must not be bent.

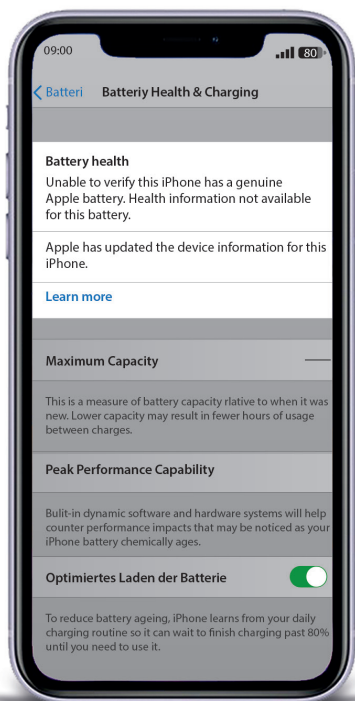
Figure 9: Perform a function test here and turn on the iPhone. Check the following points:

- Screen
- sound
- touch function
- Proximity sensors

Is everything working? Then you can close the case.

Notes after replacing the battery

After installing the battery, an error message may appear during start-up (here is an example from the settings):



The reason is simple - from iPhone Xs/Xr onwards, the operating system checks whether the original iPhone battery is still inserted and you can ignore the error message.

In everyday life, however, this error message, which only appears when starting up and is displayed in the settings, does not bother you.

⚠ However, the battery status is not displayed in the settings.

Declaration of conformity

Stage10 GmbH hereby certifies that the electrical-ly operated display screen conforms to guideline 2014/53/EU. The complete text of the EU declaration of conformity is available at the following URL:

<https://support.fixxoo.de/hc/de>

Disposal

Disposal of packaging:

Sort the packaging before disposal:



- Cardboard and carton with paper



- Plastic wrap with recycling collection

Disposing of a device

(Applicable in the European Union and other European countries with systems for separate collection of recyclables.)

Used devices may not be placed in the household trash



If your smartphone can no longer be used, each consumer is legally obligated to dispose of used devices separately from household trash, e.g. at a collection site in your community or municipality. This ensures that used devices are properly recycled, while avoiding negative environmental effects. For this reason, electronic devices are labeled with the symbol depicted here.

Manufacturer information and service

If you have questions about our display products, or if you experience any problems, first contact us by email at:

info@fixxoo.de

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Stage10 GmbH
Leipziger Platz 9
10117 Berlin | Germany

Troubleshooting

Does the display fail to turn on? Pixel errors? Is the iPhone beeping or vibrating? You can find the solution in our FAQ at:

support.fixxoo.de/hc/de

Fixxoo success guarantee:

Did it not work for you? No problem – Fixxoo will take care of the rest. The price of the repair kit will be credited to you. So you'll pay at most the regular price for a Fixxoo repair.

The only condition: The replacement part and your iPhone cannot have been damaged by your repair attempt – but if you're simply missing a screw, that's not so bad.

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Fixxoo Support:
support.fixxoo.de/hc/de

Fixxoo
Battery Repair Set
for Apple iPhone 11 Pro
Art.-No. 16164

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