

FIXXOO

Battery Repair Set



für/for
12 Pro
12

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 12 & 12 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

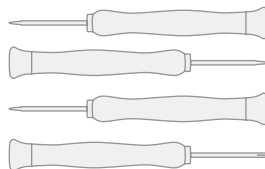
Spudger

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.



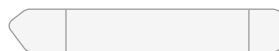
Suction puller

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.



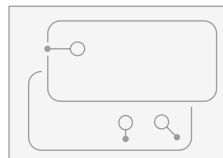
Tweezers

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

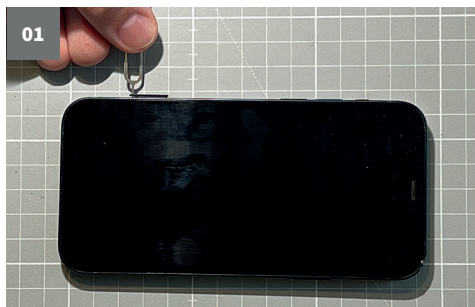
You'll find all the information in this repair manual printed in three colors:

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



- Remove the sim card holder with the sim card tool supplied with your iPhone.
- *If you no longer have it, a bent paper clip will help.*



Das Gehäuse aufschrauben

⚠ Before your DIY repair, you should discharge the battery of your iPhone to 20% or less. Otherwise, it could catch fire or even explode if accidentally damaged.

- Switch off your iPhone before you start.
- Remove the two pentalobe screws on the bottom edge of the iPhone.
- *Tip: If you have opened the iPhone, the seals may no longer be watertight. It is best to install new seals directly. If you don't want to do this, you should take good care of your iPhone when it's wet.*

Masking the display

- Is your display cracked? Then you should cover it with adhesive tape. This will prevent injuries.
- Let the adhesive strips overlap so that they securely cover the entire surface of the display.
- *Dein Vorteil: Das Display ist beim Ausbau stabiler und lässt sich einfacher abnehmen.*

Lift the display with the suction lifter



- Place the suction lifter (part of the Fixxoo tool set) near the bottom edge of the iPhone.
- *Tip: Is the display badly chipped? You can either stick the suction lifter on with adhesive tape or form a handle from the adhesive tape (instead of the suction lifter) and stick it to the display. An emergency solution would be to stick the suction lifter to the shattered glass with a strong all-purpose adhesive.*
- Pull up the display glass with the suction lifter to open a small gap between the display and the frame. Insert the lifting tool into this gap.
- The adhesive is very strong, so you will need a certain amount of force to open the first small gap.
- Heat helps! Use the hair dryer to soften the glue on the bottom edge. Move the suction lifter up and down regularly. If the gap is too difficult to open, you will need to apply more heat.
- Carefully move the display up and down to loosen the adhesive until the gap is large enough to insert the tool.

EN Separate the adhesive between the display and frame



⚠ Do not push the lifting tool too deep into the iPhone, otherwise you may damage internal components.

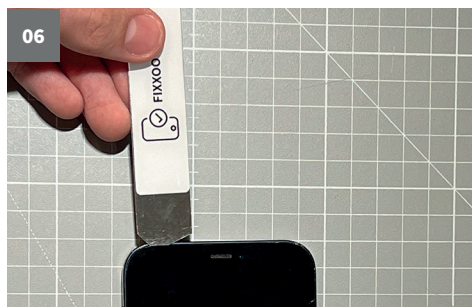


- From the bottom left corner, slide the lifting tool up the left side of the frame (up to the height of the mute switch) to cut through the adhesive that connects the display and frame.
- Repeat the step from the bottom edge and go along the right side of the frame.

Loosen the top edge

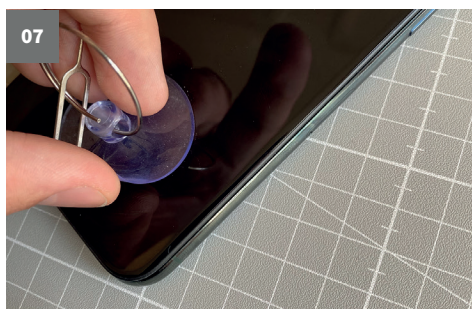
- The display is now connected to the frame at the top edge. The attachment consists of both glue and clips.
- Slide the lifting tool around the top right corner. Move the display slightly towards the bottom edge. Wiggle the display slightly.

⚠ You need to be patient here so as not to damage the clips. In addition, you should only insert the lifting tool a few millimeters into the housing, otherwise you could damage the sensors at the top of the display.



- Cut through the remaining adhesive on the upper frame by pushing the lifting tool to the left.

Removal of the suction lifter



- Now remove the suction cup by pulling on the small knob. You can now remove it from the display.

Opening the iPhone

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

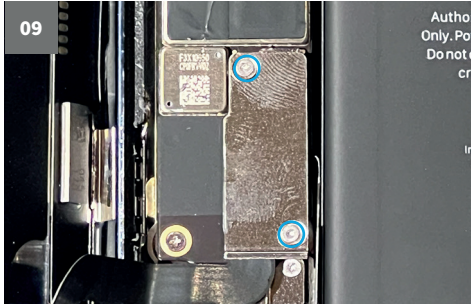
⚠ Open the iPhone carefully so that the sensitive cables are not damaged.

- *Tip: Use an object that you can lean the display against.*

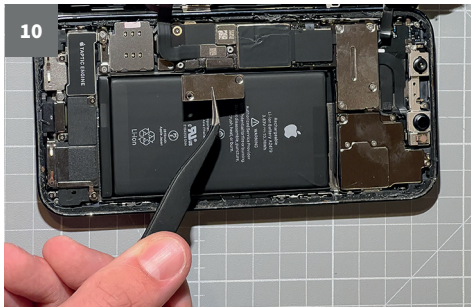


PART 2: WORKING ON THE IPHONE CASE

Removing the battery connector cover

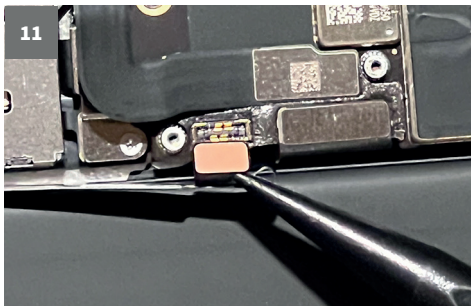


- There is a cover to the left of the battery;
- Loosen the two Triwing screws with the screwdriver.



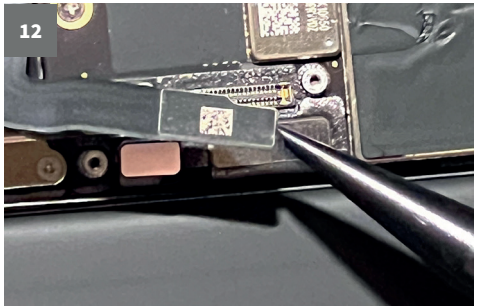
- You can then remove the cover with the tweezers.

Remove three connectors

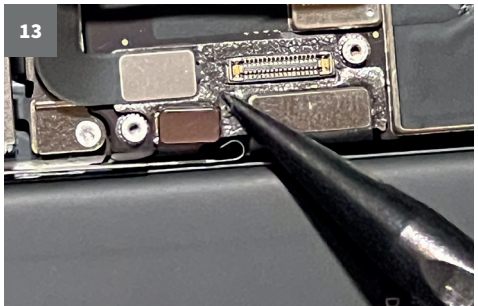


- Remove the battery plug with the tip of the spudger.

⚠ The battery connector, like other connectors in the device, has a black silicone seal that provides additional protection against water and dust. Take care not to damage this seal.

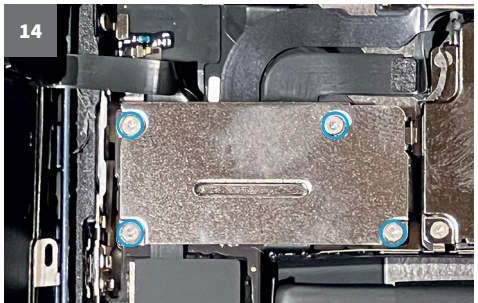


- The display connector, which you remove next, is located above the removed battery connector.

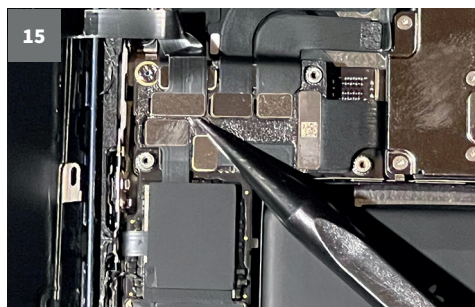


- Underneath, the path to the touchscreen cable connector is cleared. This is also removed.

Disconnect front sensor plug



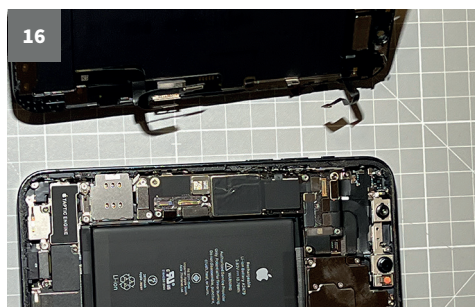
- The front sensor plug is protected by a cover with four screws. Remove them with the triwing screwdriver.
- The cover is snapped into place on the right-hand side, so lift it from the left.



- Now the connector for the front sensors is still free, which you disconnect in the same way.

⚠ **Warning:** The ribbon cable must not be stretched in order not to damage it.

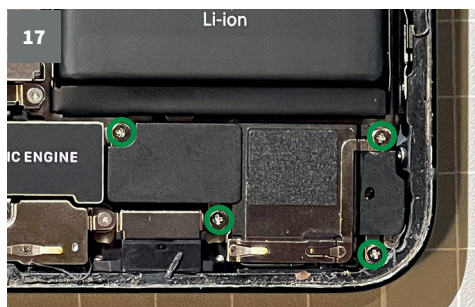
Lifting the display



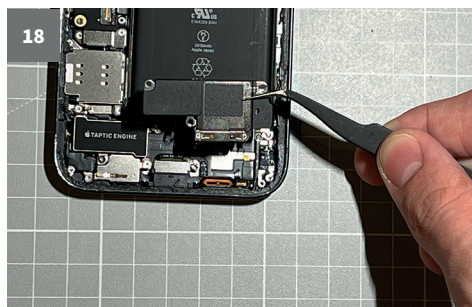
- The first half is done and the display is separated from the housing.
- Put the display away. You no longer need it.

PART 3: STEPS TO REMOVE THE BATTERY

Removing the loudspeaker

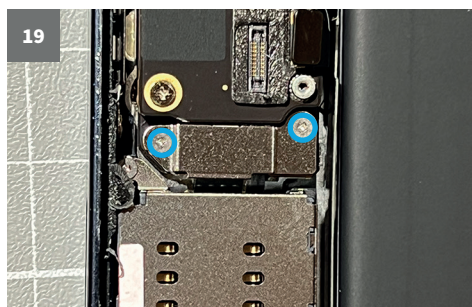


- Next, the lower speaker unit is in the way.
- Remove the four Phillips screws.

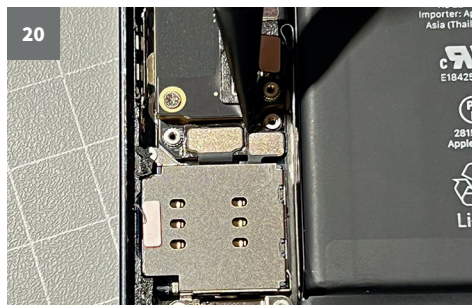


- The unit can now be easily removed with the tweezers.

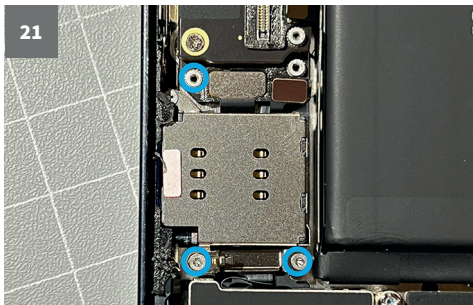
Working around the Sim card reader



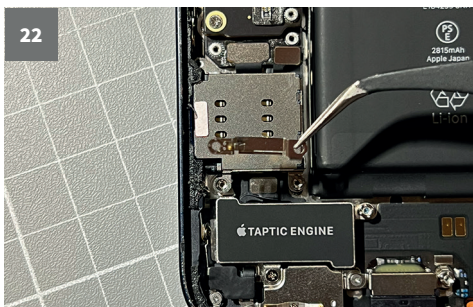
- A cover with two triwing screws is attached above the SIM card reader.
- Remove it. You can then remove the cover from the housing and put it away.



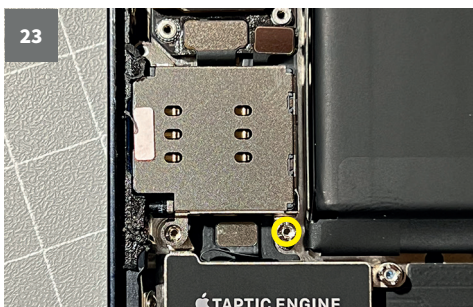
- Underneath is the plug of the SIM card reader, which you lever out with the spudger.



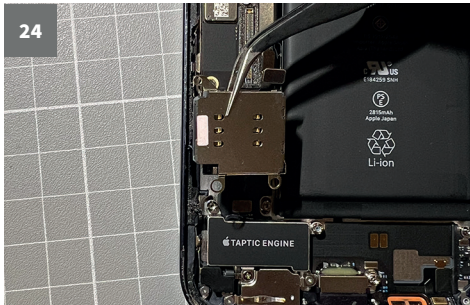
- Three triwing screws secure the sim card reader. Remove these.



- This also loosens a clip underneath the SIM card reader.
- You can now simply remove it with the tweezers and put it away.

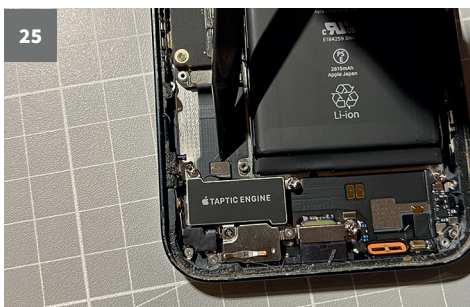


- This will reveal another screw, this time a spacer screw (standoff). Loosen this as well.

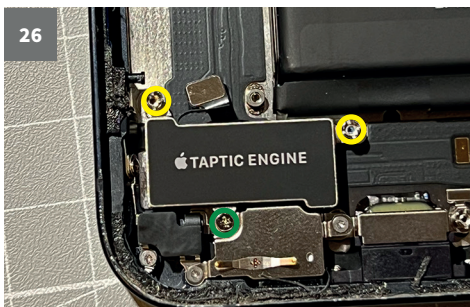


- The SIM card reader is now free and can be lifted out of the housing with the tweezers.

Remove Taptic Engine



- The Taptic Engine connector is located under the SIM card reader.
- Lift out the plug with the spudger.



- Then remove the three screws that hold the taptic engine itself in place.
- These are two spacer screws (yellow) and a Phillips screw (green).
- Now you can put the engine aside with the tweezers.

Remove battery



- There are two adhesive strips on each side of the battery, which you peel off and slowly pull out from under the battery. Start at the bottom end.

⚠ If one of the adhesive strips tears: Please do not use force. The battery must not be squeezed or bent. A little solvent dripped under the battery or heating with a hair-dryer often helps.

- Then remove the upper adhesive strips.

⚠ Work carefully so that you do not touch the sensor modules at the top edge. Otherwise they could be destroyed.



- Once you have removed all the adhesive strips, you can carefully remove the battery.

Reinstalling the Fixxoo battery

When reinstalling the Fixxoo battery, carry out all the steps in the instructions from back to front.

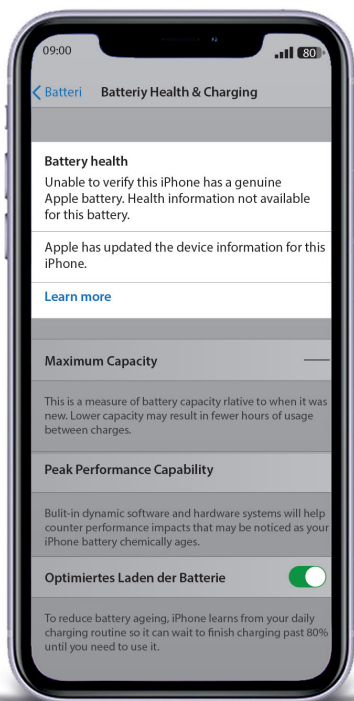
⚠ The adhesive strips (see Fig. 27 and 28) are replaced. Suitable replacement adhesive strips are included in your Fixxoo repair kit.

Please note the following points:

- **Fig. 8:** Make sure to place the display in the correct position and align the clips on the top edge correctly. First press the top edge in carefully. Only then snap in the other display edges. The clips must not be bent.
- **Fig. 9:** Perform a function test here and switch on the iPhone. Check the following points:
 - Screen
 - Sound
 - Touch function
 - Proximity sensors
 Does everything work? 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.

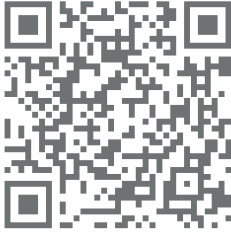
In everyday life, however, this error message, which only appears when starting up and is displayed in the settings, does not bother you.

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

Declaration of conformity

Stag10 GmbH hereby certifies that the electrically 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/articles/14973641242770>



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

Fixxoo is a trademark of
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

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