



iPhone 16 Battery Replacement

Use this guide to replace the battery in your...

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INTRODUCTION

Use this guide to replace the battery in your iPhone 16.

iPhone batteries are rated to hold 80% of their capacity for up to 500 charge cycles, or roughly 18–24 months. If your iPhone needs to be charged more often or runs slower, it might be time to replace the battery.

This iPhone and the iPhone 16 Plus use a battery adhesive that requires an electrical charge to loosen it. [Apple's repair manual](#) recommends connecting a 9V battery for 90 seconds, but you can use a power supply or a power bank at a 5–20V output instead—the time required to loosen the adhesive will vary.

The guide uses the [VoltClip](#) along with the [FixHub Portable Power Station](#) to release the adhesive. If you're using a different method, follow the guide normally and supplement your power source's operating procedures during the necessary steps.

After completing this repair, you may receive warnings about your replacement part and lose access to battery health data, but your new battery will otherwise work normally. As of iOS 18.1, battery health works with both genuine and aftermarket replacement batteries. Run [Repair Assistant](#) to reset the battery metrics.

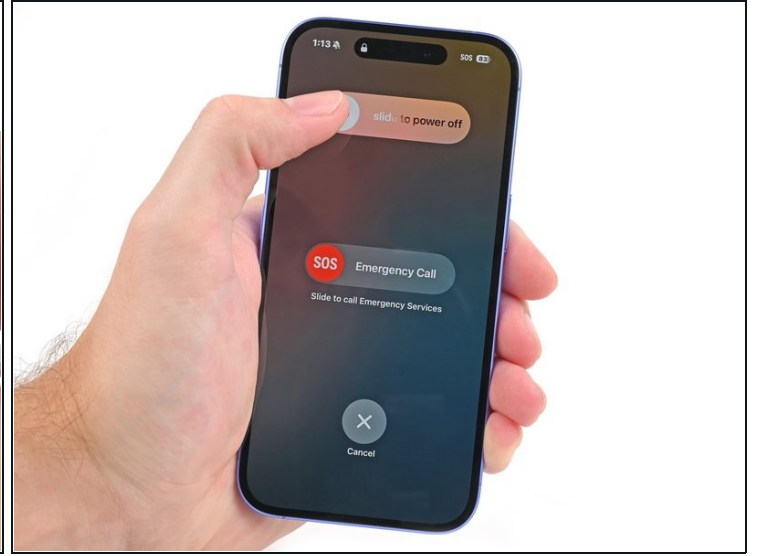
TOOLS:

- [Hair Dryer](#) (1)
- [VoltClip](#) (1)
- [Heat Gun](#) (1)
- [iOpener](#) (1)
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Tri-point Y000 Screwdriver](#) (1)
- [Packing Tape](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks \(Set of 6\)](#) (1)
- [Spudger](#) (1)
- [Isopropyl Alcohol \(90% or Greater\)](#) (1)
- [Coffee Filters or a lint-free cloth](#) (1)
- [FixHub Portable Soldering Station](#) (1)
- [Tweezers](#) (1)

PARTS:

- [iPhone 16 Battery](#) (1)
- [iPhone 16 Battery Adhesive](#) (1)

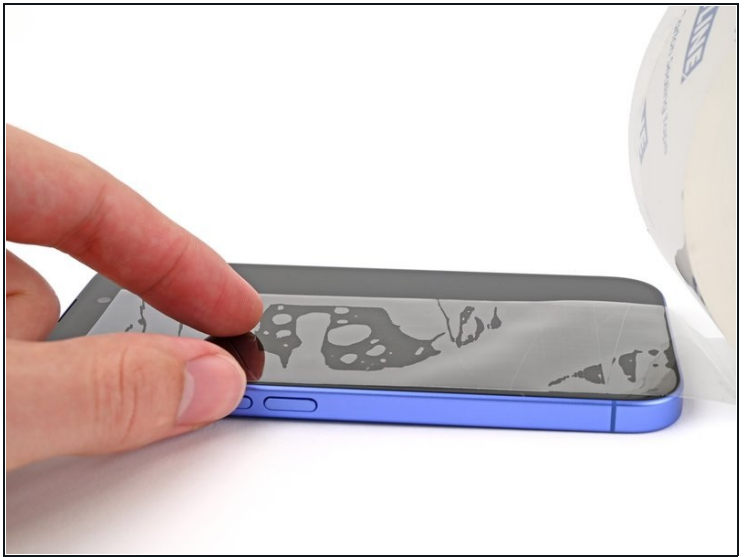
Step 1 — Before you begin



⚠️ Allow your phone's battery to drain below 25%, as a charged lithium-ion battery is a potential safety hazard.

- Unplug any cables from your phone.
- Hold the power and either volume buttons and slide to power off your phone.

Step 2 — Tape over any cracks



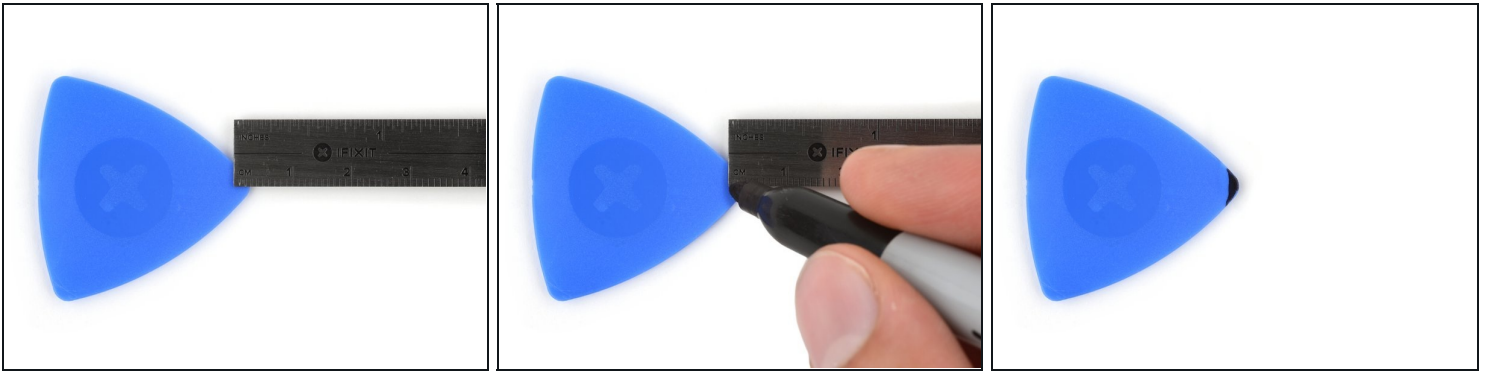
- If your screen or back glass is badly cracked, lay overlapping strips of packing tape over the glass to protect yourself and make disassembly easier.
 - ⓘ Make sure there's a smooth area near the bottom edge that's big enough for a suction cup to stick to.

Step 3 — Remove the pentalobe screws



- Use a P2 pentalobe driver to remove the two 7.7 mm-long screws on either side of the charging port.

Step 4 — Mark your opening picks



ⓘ If inserted too far, an opening pick can damage your device. Follow this step to mark your pick and prevent damage.

- Measure 3 mm from the tip and mark the opening pick with a permanent marker.

ⓘ You can also mark the other corners of the pick with different measurements.

ⓘ Alternatively, [tape a coin to a pick](#) 3 mm from the tip.

Step 5 — Heat the bottom edge



- Use a [hair dryer](#) or [heat gun](#) to heat the bottom edge of the back glass until it's hot to the touch.

ⓘ You can also use an [iOpener](#) to heat the back glass. Follow [these instructions](#) to heat and apply the iOpener properly.

Step 6 — Insert an opening pick



- Apply a suction handle to the bottom edge of the back glass.
- While supporting the frame with one hand, pull up on the handle with a strong, steady force to create a gap between the back glass and the frame.
- Insert the tip of an opening pick into the gap.

Step 7 — Back glass information



⚠ As you slice the adhesive securing the back glass in the following steps, don't insert your pick deeper than 3 mm to avoid damaging the following areas:

- A delicate cable connecting the back glass to the phone, right next to the volume down button. Don't insert your pick here to avoid slicing the cable.
- Multiple spring contacts around the perimeter of the phone.

Step 8 — Heat the right edge



- Use a hair dryer or heat gun to heat the right edge of the back glass until it's hot to the touch.

Step 9 — Separate the bottom right adhesive



⚠ Don't insert your pick deeper than 3 mm to avoid damaging the spring contacts.

- Slide your pick around the bottom right corner and to the volume down button to separate the adhesive and release the metal clip.

⚠ Don't slide past the volume buttons to avoid damaging the wireless charging cable.

i You'll hear and feel the metal clip release as you pass it.

- Leave this pick inserted to prevent the adhesive from resealing.

Step 10 — Heat the left edge



- Use a hair dryer or heat gun to heat the left edge of the back glass until it's hot to the touch.

Step 11 — Separate the left adhesive



⚠ Don't insert your pick deeper than 3 mm to avoid damaging the spring contacts.

- Insert a second opening pick at the bottom edge.
- Slide the second pick around the bottom left corner and along the left edge of the screen to separate the adhesive and release the metal clips.
 - ⓘ You'll hear and feel the metal clips release as you pass them.
- Leave this pick inserted at the top left corner to prevent the adhesive from resealing.

Step 12 — Heat the top edge



- Use a hair dryer or heat gun to heat the top edge of the back glass until it's hot to the touch.

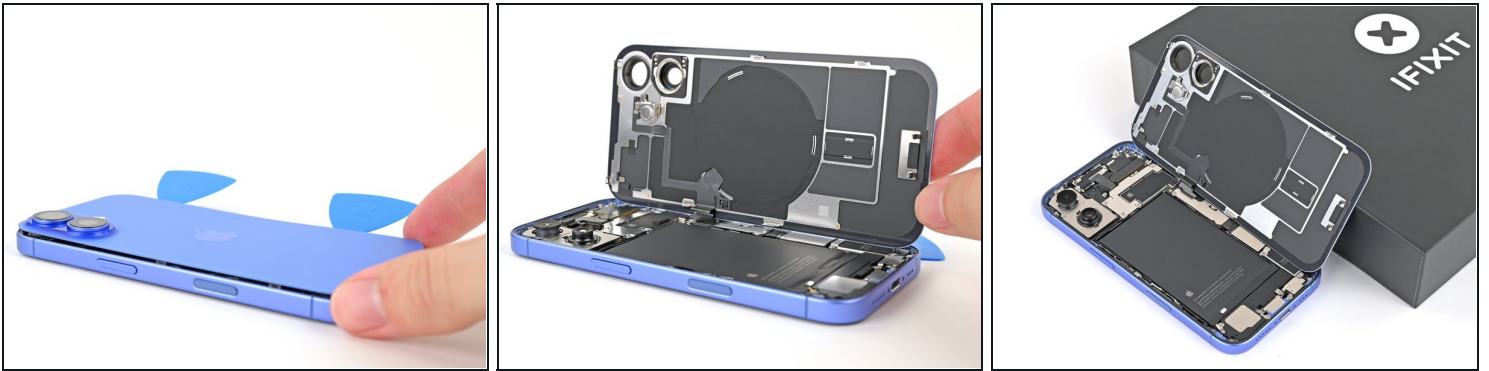
Step 13 — Separate the top right adhesive



⚠ Don't insert your pick deeper than 3 mm to avoid damaging the spring contacts.

- Slide your second opening pick around the top left corner and along the top edge to separate the adhesive and release the metal clips.
 - ❗ You'll hear and feel the metal clips release as you pass them.
- Continue sliding your pick around the top right corner until you reach the Action button.
- Leave this pick inserted to prevent the adhesive from resealing.

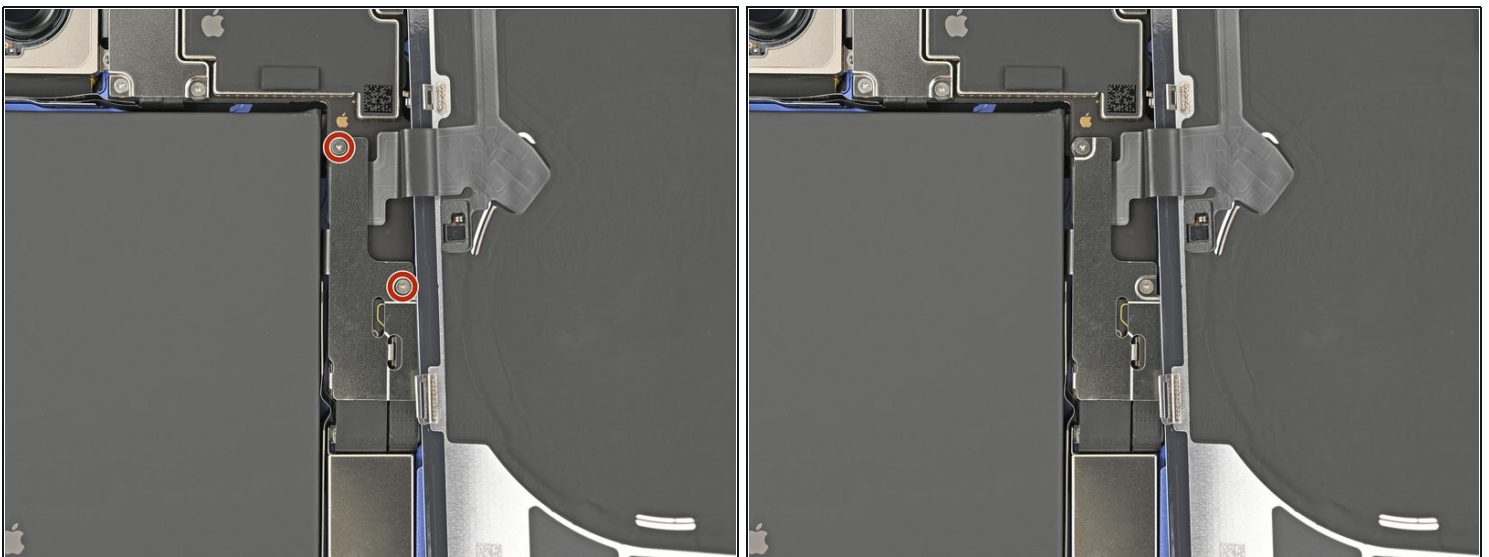
Step 14 — Reposition the back glass



ⓘ At this point, the back glass should be free from the frame. If the back glass feels stuck, go back around the perimeter with your pick to check for missed sections of adhesive or stuck clips.

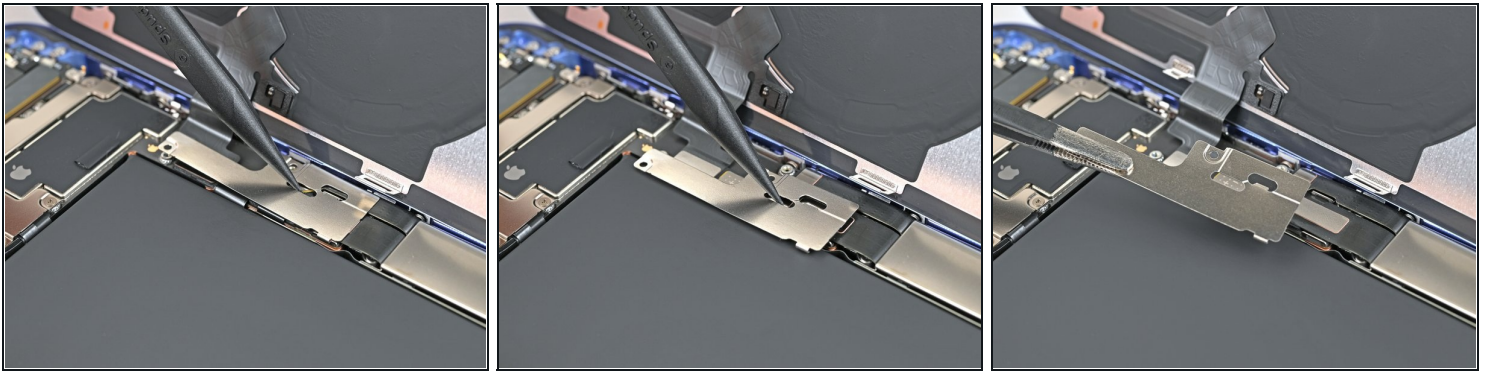
- Swing open the back glass to the right of the phone to separate the remaining adhesive.
- Support the back glass with a clean, sturdy object.
- Remove the opening picks before continuing.

Step 15 — Remove the middle connector cover screws



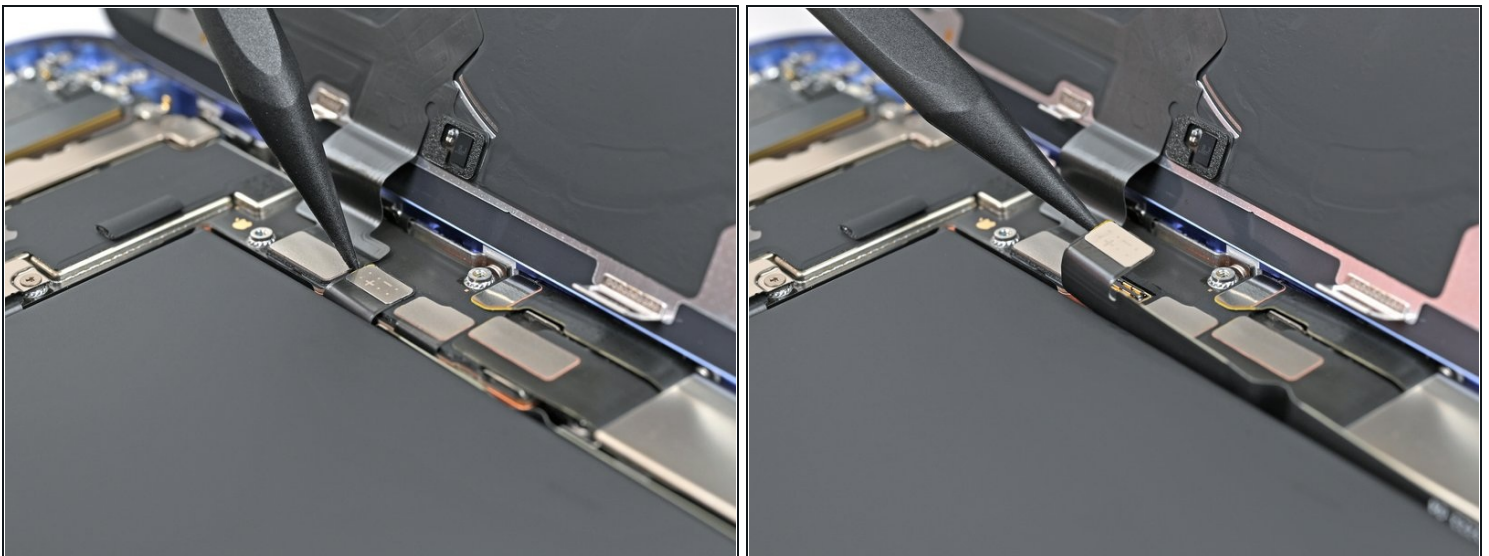
- Use a tri-point Y000 driver to remove the two 1 mm-long screws securing the middle connector cover.

Step 16 — Remove the middle connector cover



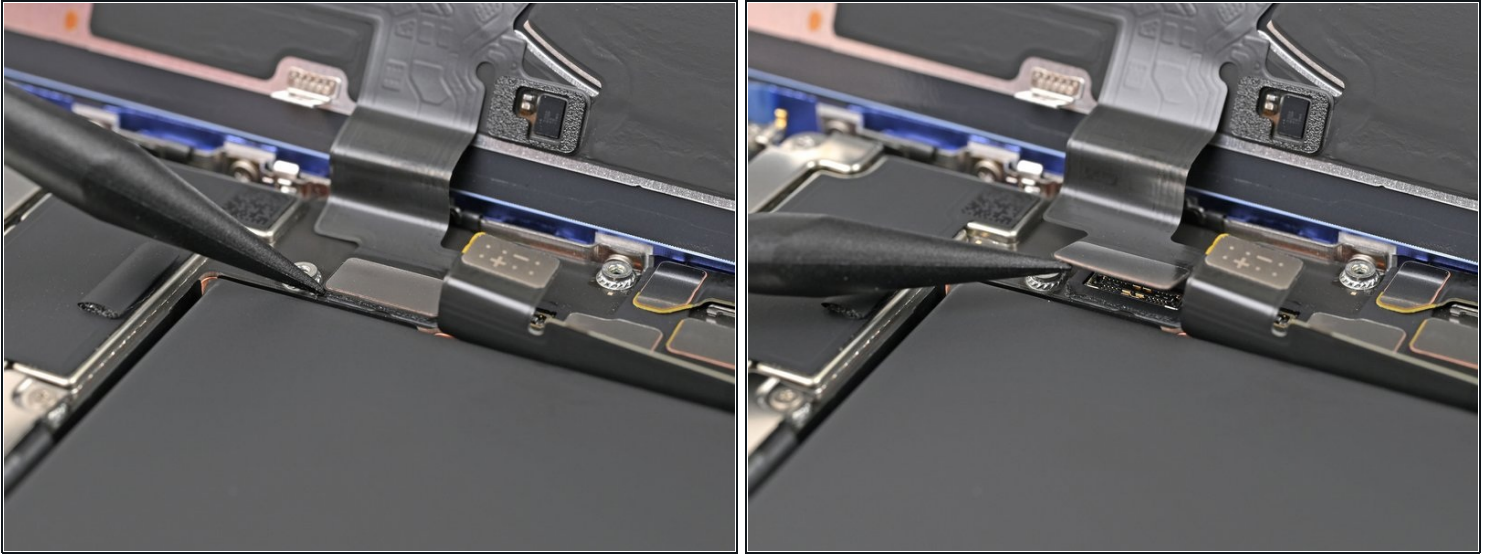
- Insert the point of a spudger in either cutout on the middle connector cover.
- Slide the cover towards the left edge of the phone and release its hook from its slot on the logic board.
- Remove the cover.

Step 17 — Disconnect the battery



- Use the point of a spudger to pry up and disconnect the battery [press connector](#).

Step 18 — Disconnect the wireless charging coil



- Use the point of a spudger to pry up and disconnect the wireless charging coil press connector.

Step 19 — Remove the back glass



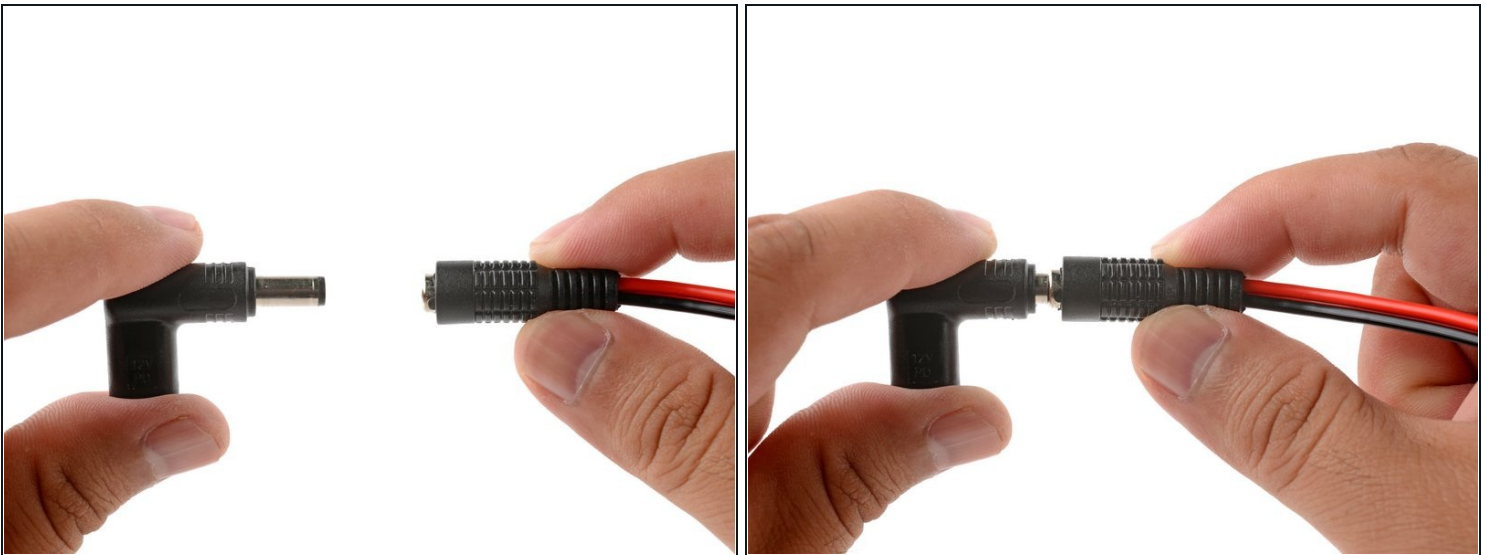
- Lift the back glass off the frame and remove it.

Step 20 — Separate the silver tab



- Use an opening pick, or a clean fingernail, to peel up the silver tab at the bottom edge of the battery.

Step 21 — Assemble the VoltClip



- Plug the VoltClip's barrel connector into the USB-C elbow.

⚠ Don't connect the VoltClip to a power source just yet. The loose alligator clips may accidentally touch each other and cause an electrical short.

Step 22 — Attach the alligator clips



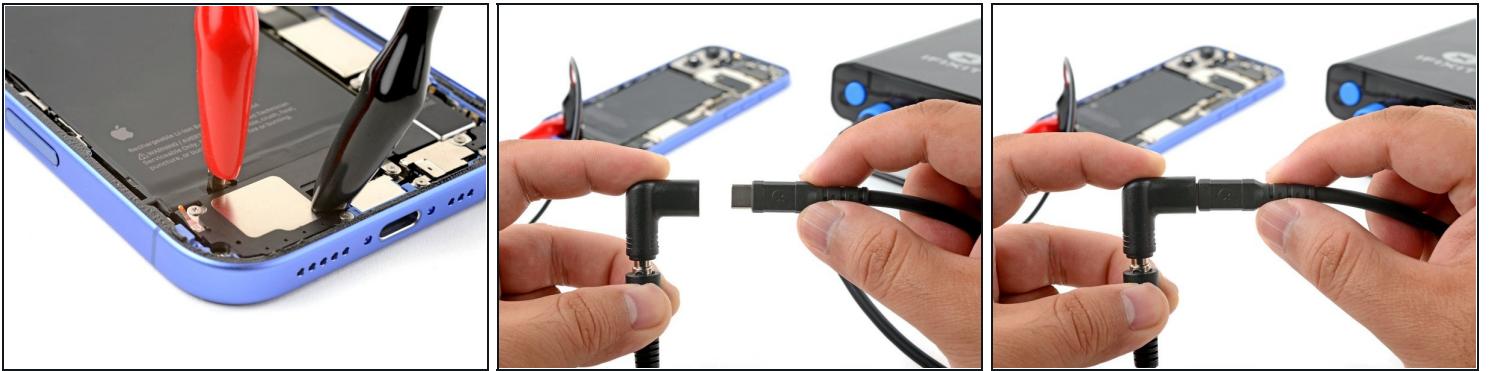
- Attach the red alligator clip to the silver tab.

Step 23



- Attach the black alligator clip to the grounding screw.

Step 24 — Connect power to the VoltClip



- Make sure the red alligator clip isn't touching any stray metallic surfaces.
- Connect a powered USB-C cable to the USB-C elbow and wait 90 seconds for the adhesive to loosen.

Step 25 — Disconnect the VoltClip



- Disconnect the USB-C cable from the elbow, then disconnect the alligator clips.

Step 26 — Remove the battery



- ① Your adhesive should be fully loosened at this point. If your battery doesn't budge during the step, reconnect the alligator clips for an additional minute and try again.
- Grip the silver tab and lift the battery out of the frame.
- ① Alternatively, you can use a suction handle to pull the battery out. If the battery doesn't come out easily, don't force it—repeat the previous step.

Step 27 — End of disassembly



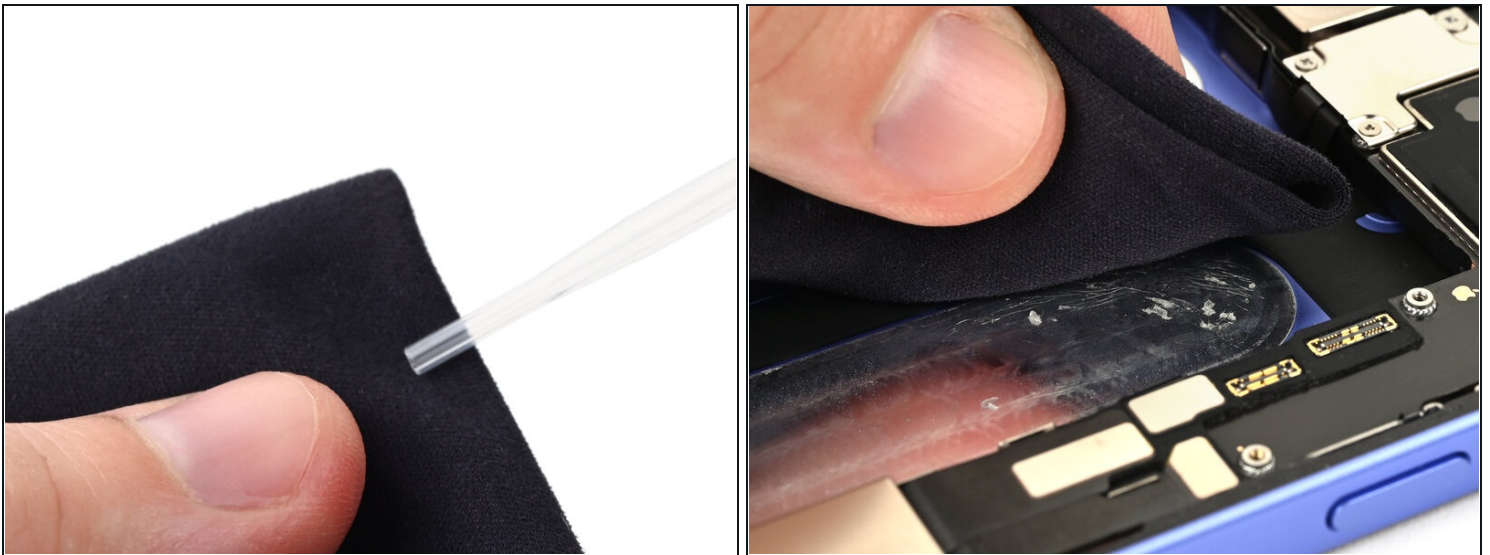
- Congratulations on completing disassembly! The remaining steps will show you how to reassemble your device.
- ① When reconnecting press connectors, align the connector carefully over its socket and press down with your fingertip or spudger—first on one side, then the other—until it clicks into place. Don't try to force the connector into place. If you're having trouble, reposition it and try again.

Step 28 — Remove residual battery adhesive



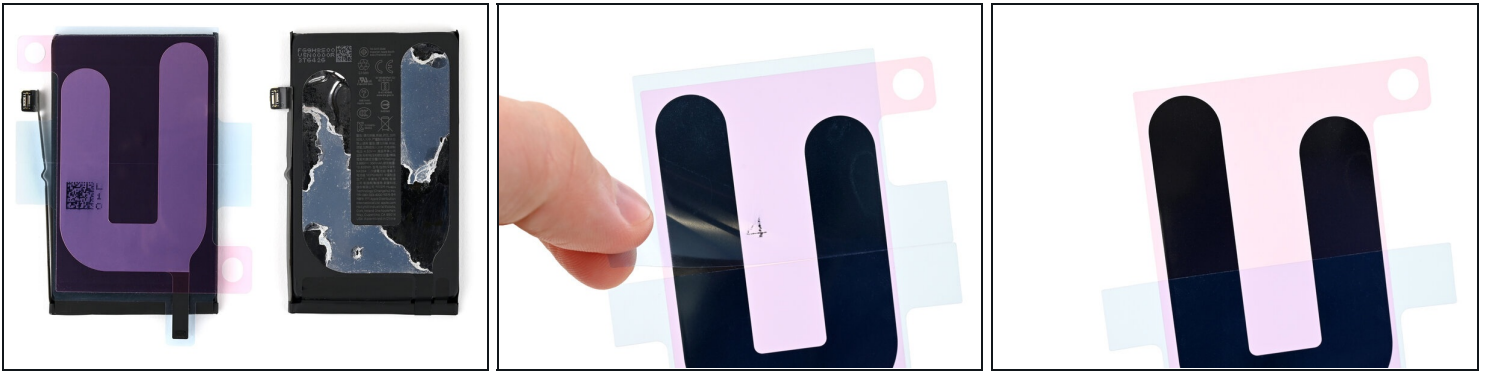
- Use a pair of tweezers to peel up any large pieces of residual battery adhesive from the iPhone frame.

Step 29 — Remove adhesive residue



- Use coffee filters or a lint-free cloth and high-concentration (>90%) isopropyl alcohol to wipe off any remaining battery adhesive residue from the iPhone frame.

Step 30 — Remove the top battery-side liner



❗ If your battery came with the adhesive installed, skip this step and the next four steps.

- Lay the old battery with the adhesive facing up next to the new battery. Lay the new adhesive on the new battery to see how it needs to be applied.

❗ Your adhesive may look slightly different or have different liners.

- If the battery-side of your adhesive has two liners, remove the top liner.
- If the battery-side of your adhesive has one liner, remove it.

Step 31 — Apply the top of the adhesive



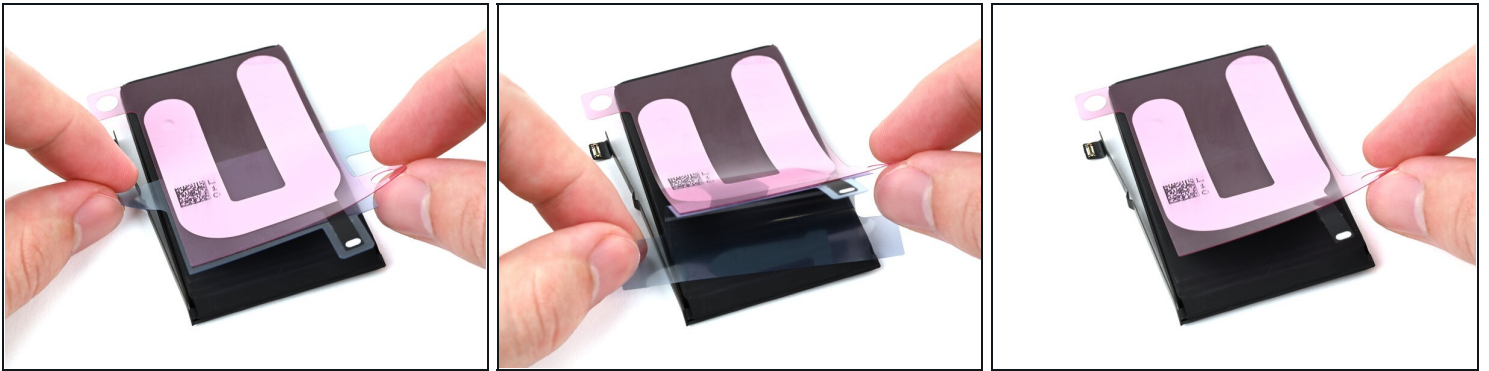
- With the old battery nearby so you can align the new adhesive correctly, use your finger to lightly press the new adhesive to the new battery.

- Compare the placement of the new adhesive with the old adhesive.

❗ If you need to adjust it, you can carefully peel the adhesive up and try again.

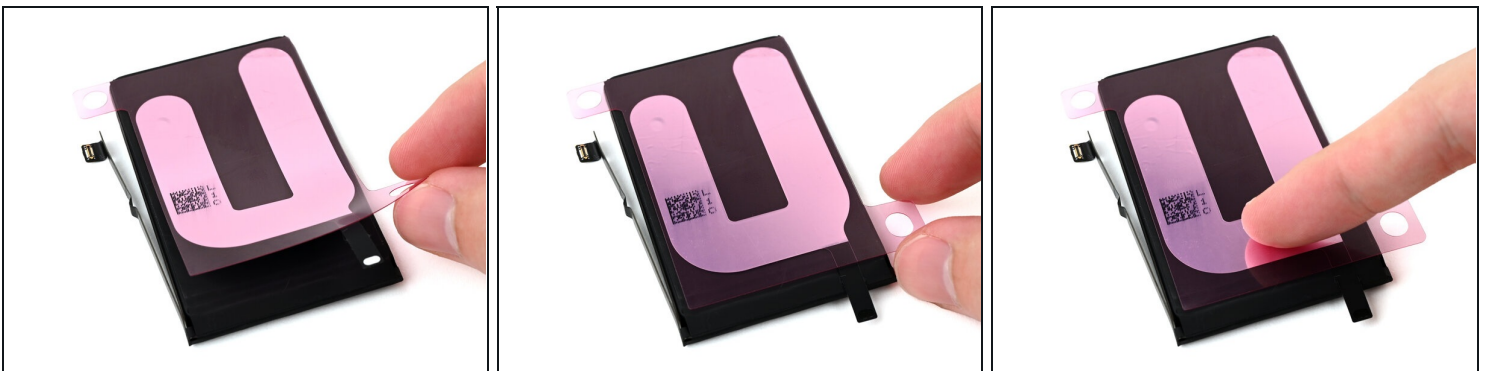
- Once the new adhesive is aligned correctly and matches the old adhesive, press it firmly to the battery.

Step 32 — Remove the bottom battery-side liner



- If the battery-side of your adhesive still has a bottom liner on it, remove it now.

Step 33 — Press the adhesive



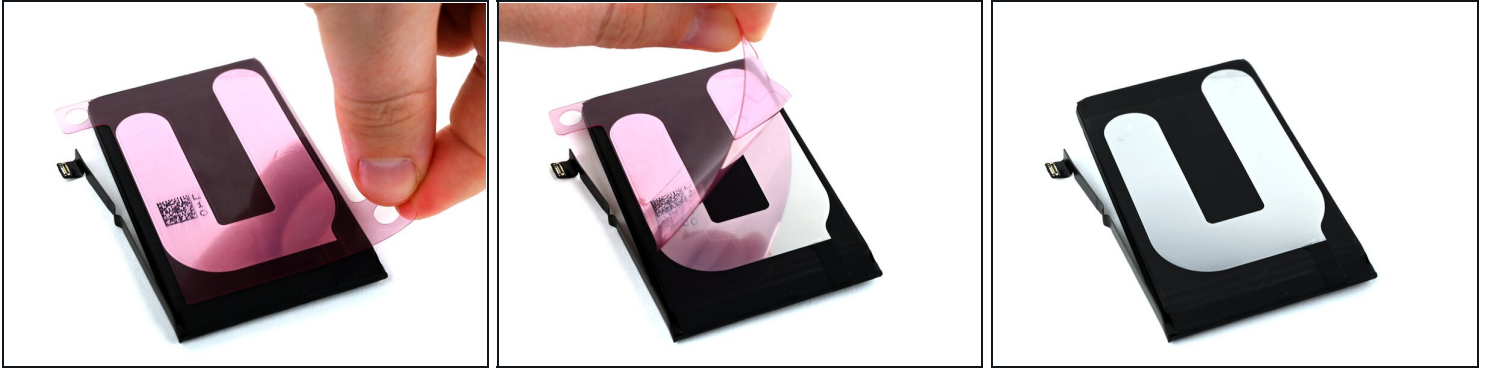
- Lay the adhesive onto the battery and press it into place.

Step 34 — Fold the conductive tab



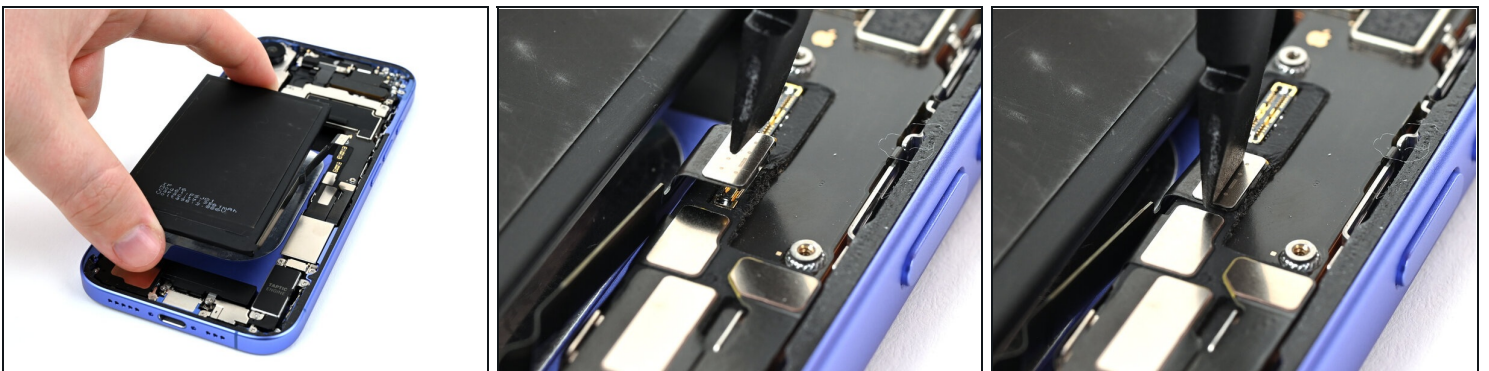
- Use your finger to fold the conductive tab around to the front of the battery and press it into place.

Step 35 — Remove the iPhone-side liner



- Peel the iPhone-side liner off of the battery adhesive.

Step 36 — Connect the battery



- Hold the battery over its place in the iPhone, but **don't** lower it into place yet.
- To ensure the battery is properly placed, use a spudger or your finger to connect the battery press connector.

Step 37 — Place the battery



- With the battery connected, lower it into its place in the iPhone.
- Use your fingers to press the battery into place.

Step 38 — Disconnect the battery



- Use a spudger or your finger to disconnect the battery to protect your iPhone during the rest of the reassembly process.

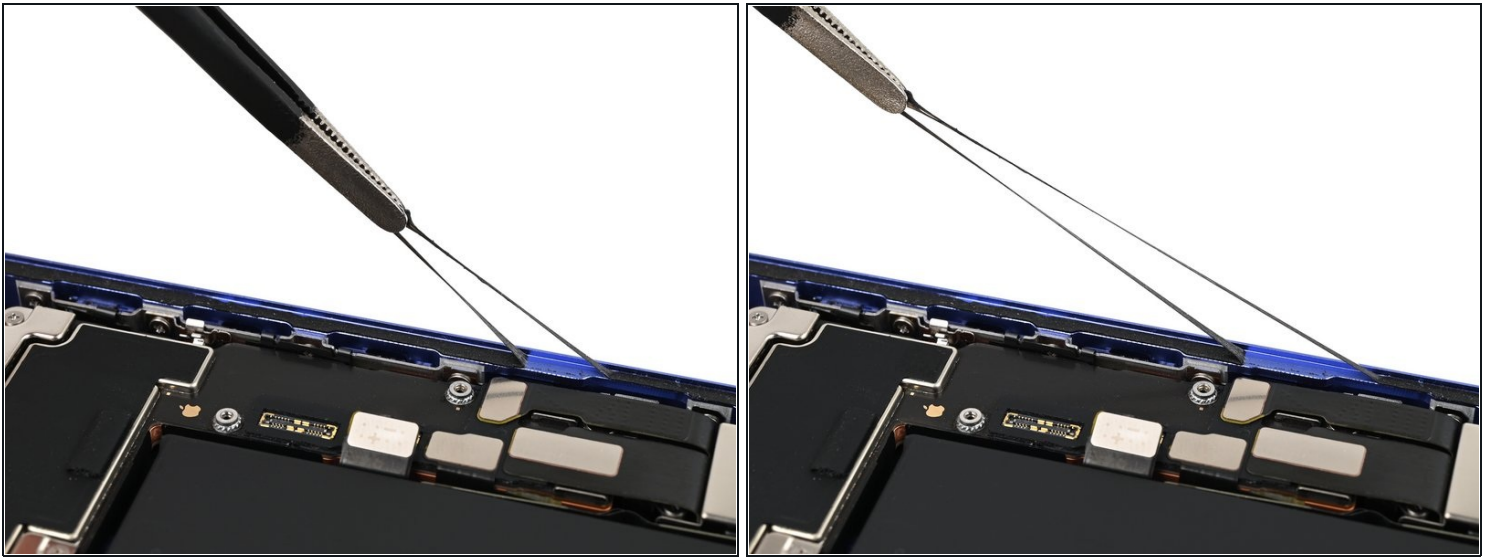
Step 39 — Remove the back glass adhesive



⚠ Be careful not to damage any of the spring contacts as you clean the frame.

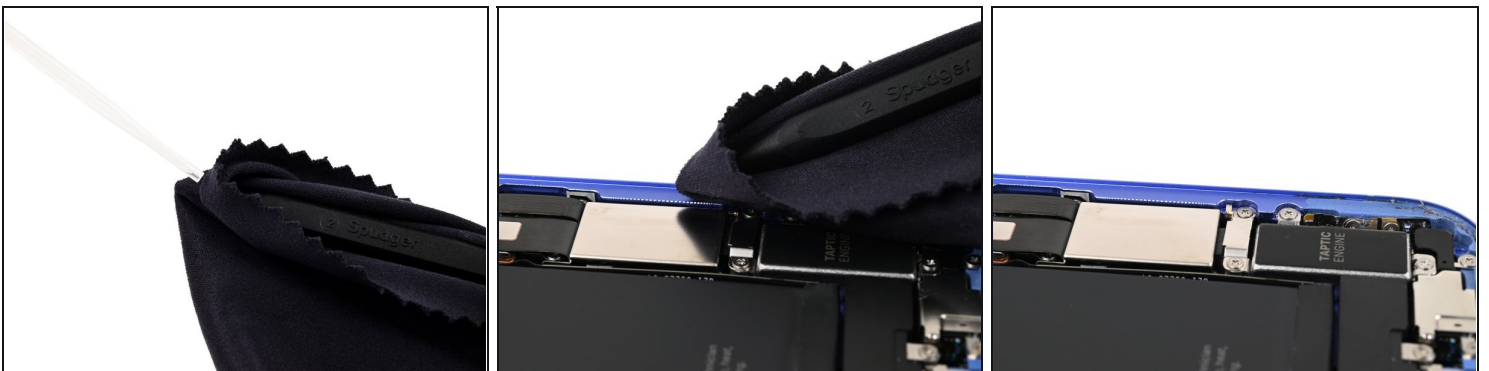
- ① This is a good point to test your repair before sealing up your phone. Connect the battery and back glass, power on your phone, and make sure it works as expected. Power it back down, disconnect the battery and back glass, and continue reassembly.
- ① The adhesive remaining on your phone is difficult to remove and leaves residue. If you have trouble removing the adhesive, apply some heat using a [hair dryer](#) or [heat gun](#).
- Use the pointed end of a spudger to press and roll the adhesive until you can grip it with a pair of tweezers.

Step 40



- Use the tweezers to pull the adhesive off of the phone.
- Repeat the previous step and this step until all of the adhesive is removed.

Step 41 — Clean the frame



⚠ Any leftover residue will compromise your iPhone's seal. Be sure to clean the frame thoroughly.

- Wrap a [microfiber](#) or lint-free cloth over the point of a spudger and apply a few drops of high-concentration isopropyl alcohol (over 90%) to the cloth.
- Wipe in one direction along the perimeter of the frame to clean the adhesive residue.
- Wait a few minutes before proceeding to make sure any excess alcohol has evaporated.

Step 42 — Clean the back glass



i If you're not reusing your back glass, skip this step.

- Apply a few drops of high-concentration isopropyl alcohol (over 90%) to a microfiber or lint-free cloth and wipe around the perimeter of the back glass to prepare the surface for new adhesive.
- If any clips on the back glass are bent, gently straighten them with your fingers.

Step 43 — Orient the adhesive



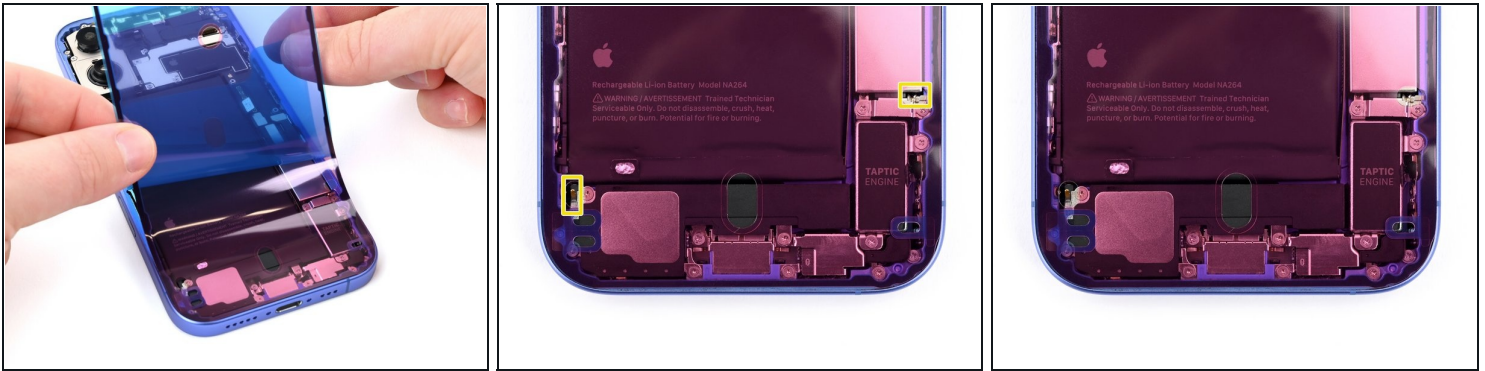
- Orient your replacement adhesive over the frame with the larger blue liner on the underside and its pull tab in the bottom-right corner.
 - ⓘ The color of your liner and the pull tab locations may be different on your adhesive.
- Use features such as the camera cutout and notches along the edges to ensure the adhesive is oriented correctly.

Step 44 — Expose the bottom edge of the adhesive



- Use the pull tab to begin peeling the back liner off of the adhesive starting from the bottom, but do not remove the liner all the way.

Step 45 — Apply the adhesive



⚠ Once the adhesive is pressed into place, you can't reposition it—you'll have to remove it and start over with new adhesive.

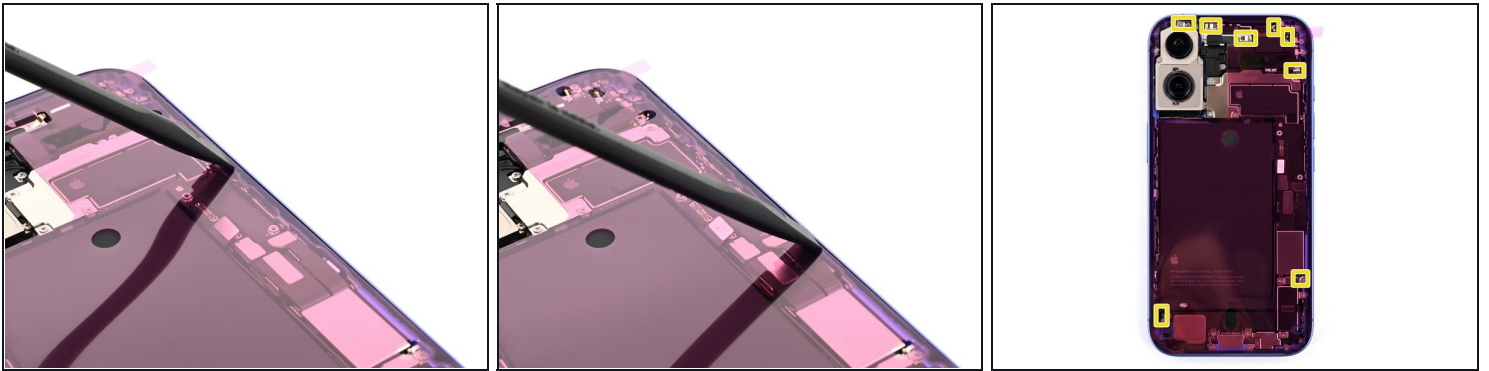
- Hold the blue liner out of the way and align the adhesive with the bottom edge of the iPhone.
- Lay the bottom edge of the adhesive into its recess in the frame, making sure the iPhone's spring contacts are aligned with their cutouts in the liner.

Step 46



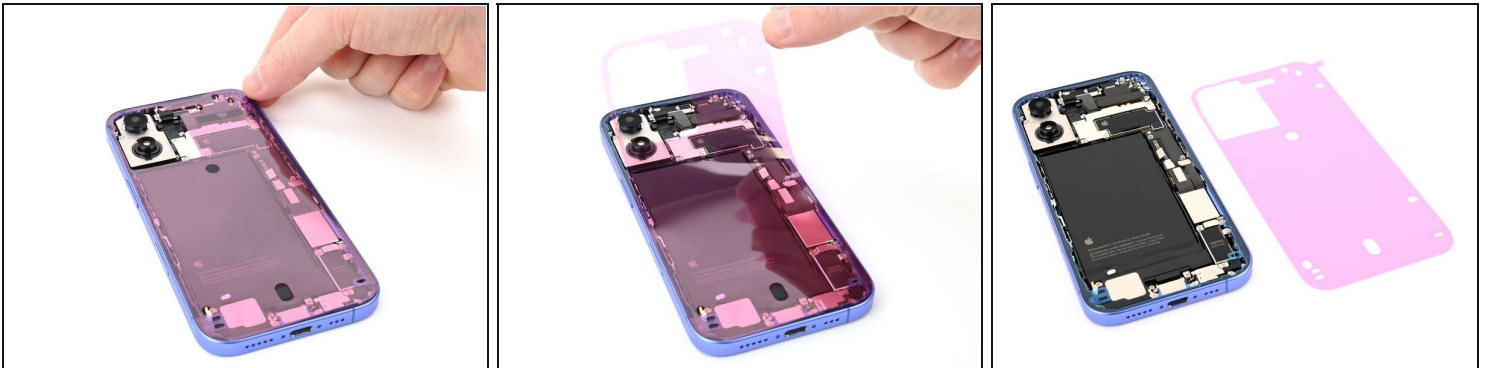
- Continue peeling the back liner off of the adhesive while pressing the adhesive into place along the edges of the iPhone's frame.
 - ⓘ If you correctly aligned the lower edge of the adhesive, the side and top edges will fall perfectly into place. If the adhesive is misaligned, remove it and start over with new adhesive.
 - ⓘ If your adhesive is misaligned and you don't have another set handy, it's okay to temporarily put your iPhone back together and use it normally without any adhesive, but keep in mind that **your iPhone's water resistance will be compromised until you install new adhesive.**

Step 47 — Press the adhesive into place



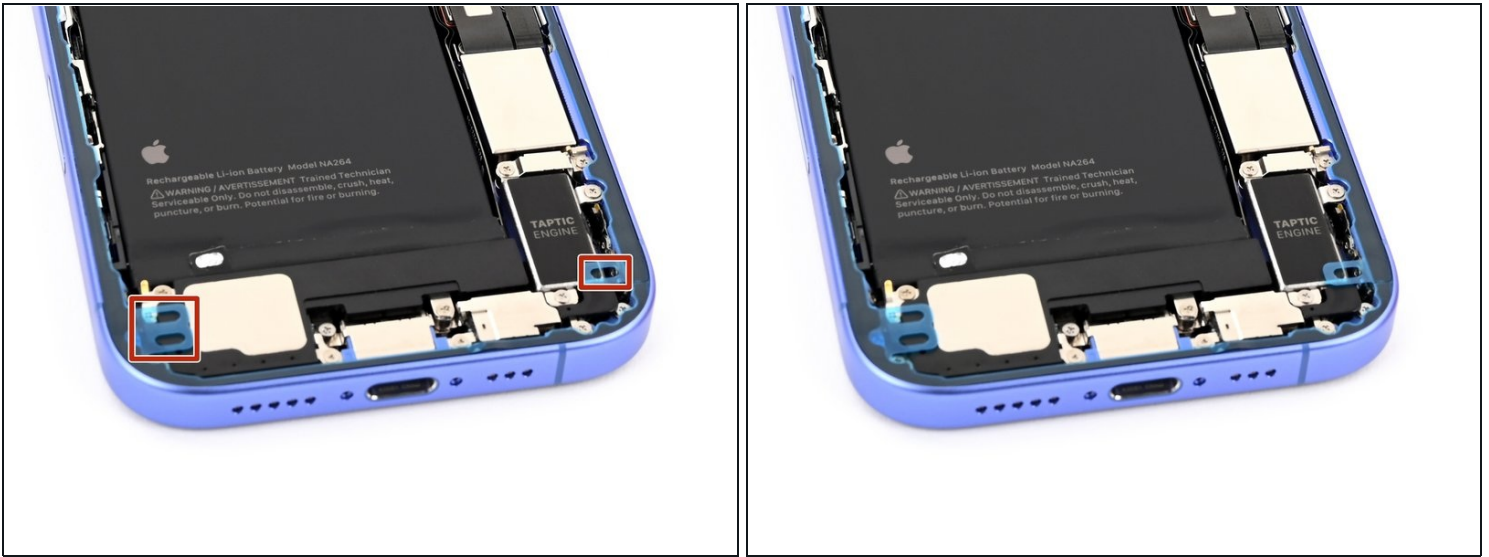
- Use the flat end of a spudger to press the adhesive into place around the perimeter of the frame.
- Be careful not to touch the spring contacts sticking through the pink liner.

Step 48 — Remove the pink liner



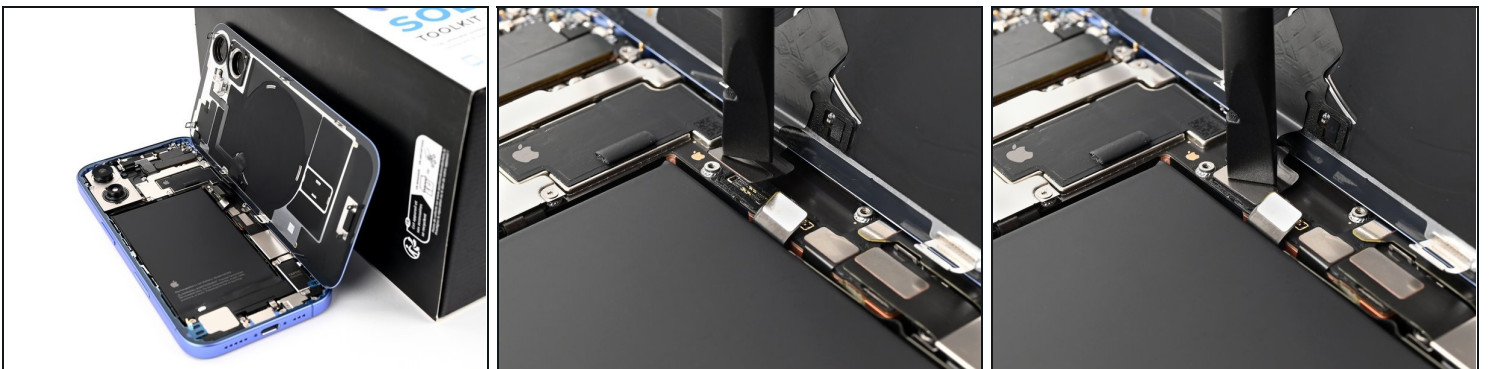
- Use the small pull tab in the top-right corner to remove the pink adhesive liner.

Step 49



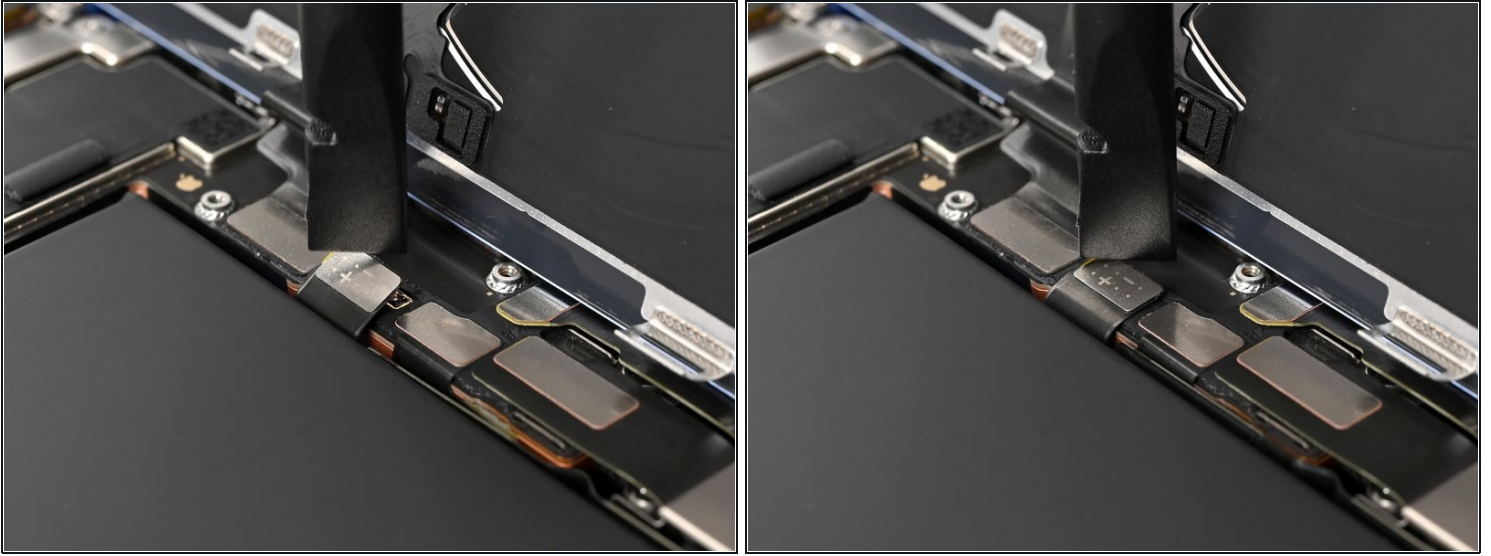
- Once the top liner is removed, there should be three narrow liners on top of the adhesive with pull tabs near the bottom edge.
 - ⓘ Your pull tabs may be in different positions.
- If you don't see these pull tabs, you may have accidentally removed the thin liners in the previous step. If the adhesive is clean and properly aligned, you may proceed, just be careful not to touch anything to the exposed adhesive until you are ready to install the back glass.

Step 50 — Connect the charging coil



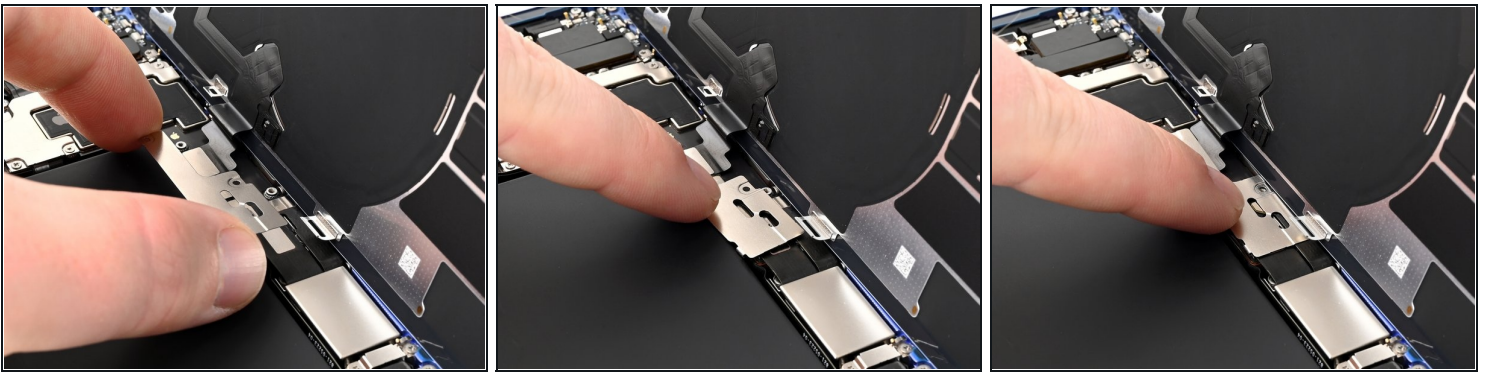
- Prop up the back glass along the right edge of your iPhone, using a box or similar sturdy object to support the screen.
- Use the flat end of a spudger or your finger to connect the charging coil press connector.

Step 51 — Connect the battery



- Use the flat end of a spudger or your finger to connect the battery.

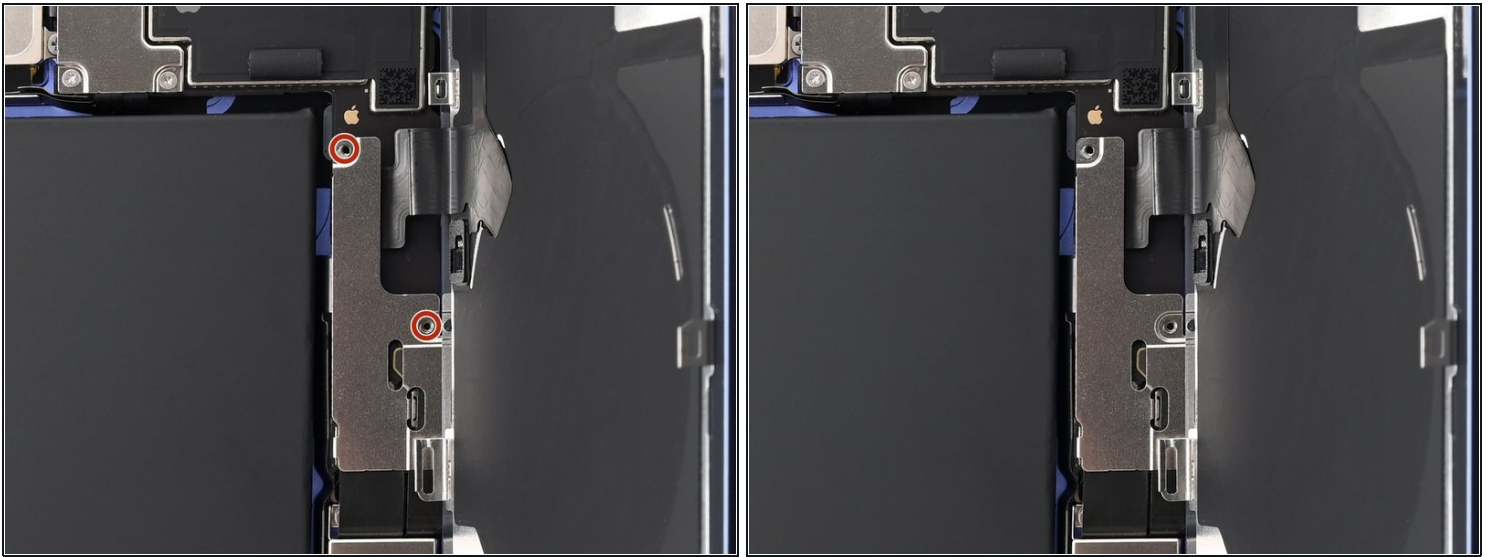
Step 52 — Install the cover



ⓘ The connector cover has [two hooks](#) that slide into slots on the logic board.

- Lay the connector cover on the phone so the hooks are slightly to the left of their slots in the logic board.
- Use your finger to press the connector cover down and to the right until [both hooks slide into their slots](#).

Step 53 — Install the cover screws



- Use a tri-point Y000 driver to install the two 1 mm-long screws securing the middle connector cover.

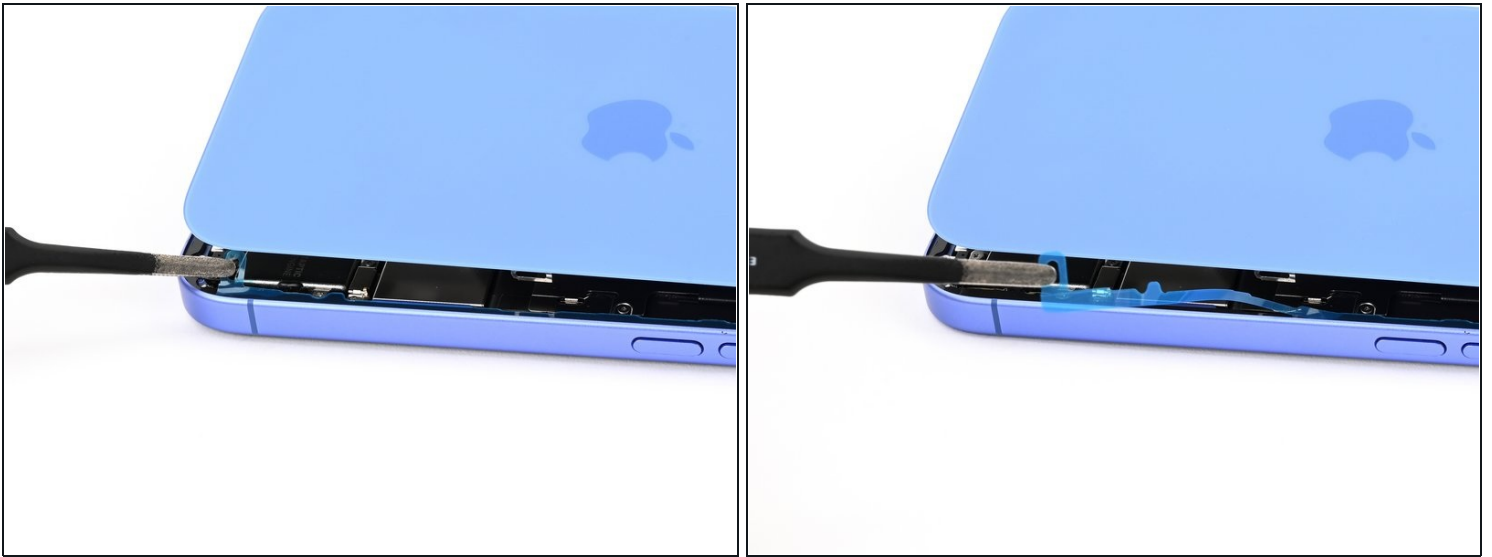
Step 54 — Remove the final adhesive liners



⚠ As you remove the liners in this step, the adhesive will be fully exposed. Make sure nothing touches the exposed adhesive.

- Use the blue tabs to remove the liners from the bottom, left, and top edges of your iPhone.
Wait to remove the liner along the right edge.

Step 55



- Without letting the back glass touch the adhesive, hold the back glass over the phone so you can access the final liner along the right edge of the phone.
- Use a pair of tweezers or your fingers to remove the final liner along the right edge of the phone.

Step 56 — Place the back glass



- Hold the back glass above the phone and align it with the frame.
- Lay the glass straight down onto the frame and press until the clips engage.
- Press around the perimeter of the back glass to engage all clips.

Step 57 — Heat the back glass



- To help the adhesive bond, apply heat to the edges of the back glass using an [iOpener](#), [hair dryer](#), or [heat gun](#) until it's hot to the touch.
- Firmly press around the perimeter of the back glass.
- If you have [screen vise clamps](#), use them to strengthen the bond of your new adhesive. If not, keep reading for more ways to secure the back glass.

Step 58 — Press the back glass



- ① To evenly compress your iPhone and strengthen the bond of the back glass to the frame, you need to account for the camera bump.
- If you have the box your iPhone came in, take the lid and place it on a flat surface.
- ① If you don't have your original box, **skip this step for an alternate method.**
- Place your iPhone screen-side-up in the lid of your box with the camera bump in its recess.
- Find something close to the size of your iPhone, but taller than the sides of the box. Stack it on top of the iPhone, followed by a few heavy objects.
- Leave the objects in place for at least thirty minutes. The lighter the objects, the longer they should be left. Ideally, leave them stacked overnight.

Step 59



❗ If you don't have the original box for your iPhone, follow the next three steps for another method to evenly compress the back glass.

- Place the iPhone screen-side-down on a soft, flat surface.
- Apply tape to the back glass to protect its finish.

Step 60



- Place two layers of coins or similarly thick objects on the tape along the edges of the back glass.
- Evenly distribute the coins and make sure they are at least as thick as the camera bump.

Step 61



- Stack multiple books or other heavy objects on your iPhone.
⚠ The coins may leave an impression on the bottom object, so don't use anything valuable.
- Leave the objects in place for at least thirty minutes. The lighter the objects, the longer they should be left. Ideally, leave them stacked overnight.

Step 62 — Install the pentalobe screws



- Use a P2 pentalobe driver to install the two 7.7 mm-long screws on either side of the charging port.

After your repair, run [Apple's Repair Assistant](#). Navigate to Settings → General → About → Parts & Service History, tap Restart & Finish Repair, and follow the onscreen prompts.

[Calibrate your newly installed battery](#) after completing this guide.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [iPhone 16 Answers Community](#) for help.