



Samsung Galaxy S22 Battery Replacement

Follow this guide to replace the battery in...

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INTRODUCTION

Follow this guide to replace the battery in your Samsung Galaxy S22.

This guide is for the battery itself. If you're replacing the OEM screen and battery assembly (the frame, screen, and battery as one piece), [follow this guide](#).

🔧 TOOLS:

[iOpener](#) (1)
[Heat Gun](#) (1)
[Hair Dryer](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[ESD Safe Blunt Nose Tweezers](#) (1)
Blunt Nose
[Phillips #00 Screwdriver](#) (1)
[Spudger](#) (1)
[Isopropyl Alcohol \(90% or Greater\)](#) (1)
[Microfiber Cleaning Cloths](#) (1)
[Scissors](#) (1)

⚙️ PARTS:

[Samsung Galaxy S22 Battery](#) (1)
[Samsung Galaxy S22 Battery Adhesive](#) (1)
[Precut Double-Sided Adhesive Card](#) (1)

Step 1 — Heat the bottom edge



⚠️ Let your phone's battery to drain below 25% before starting this repair. A charged lithium-ion battery may catch fire if damaged.

- [Heat an iOpener](#) and apply it to the bottom edge of the back cover for two minutes.
- ⓘ A [hair dryer](#), [heat gun](#), or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are susceptible to heat damage.

Step 2 — Adhesive information



- While you wait for the adhesive to soften, note the following:
 - There's adhesive securing the back cover around the perimeter of the frame.
- ① The adhesive is strongest in the bottom right and top left corners.

Step 3 — Insert an opening pick



- Apply a suction handle to the back cover, as close to the bottom edge as possible.
- Pull up on the suction handle with strong, steady force to create a gap between the cover and the frame.
 - ① If you have trouble creating a gap, apply more heat to further soften the adhesive. Follow the [iOpener](#) instructions to avoid overheating.
- Insert an opening pick into the gap.

Step 4 — Slice the bottom adhesive



- Slide the pick back and forth along the bottom edge to slice through the adhesive.
- Leave the pick inserted in the bottom left corner to prevent the adhesive from resealing.

Step 5 — Heat the left edge



- Apply a heated iOpener to the left edge of the back cover for two minutes.

Step 6 — Slice the left adhesive



- Insert a second opening pick at the bottom left corner.
- Slide the pick to the bottom of the camera bezel to slice the left adhesive.
⚠ Only insert the pick up to 5 mm, as you may damage the antenna flex cable or the power button cable.
- Leave the pick in to prevent the adhesive from resealing.

Step 7 — Heat the right edge



- Heat an iOpener and apply it to the right edge of the back cover for two minutes.

Step 8 — Slice the right adhesive



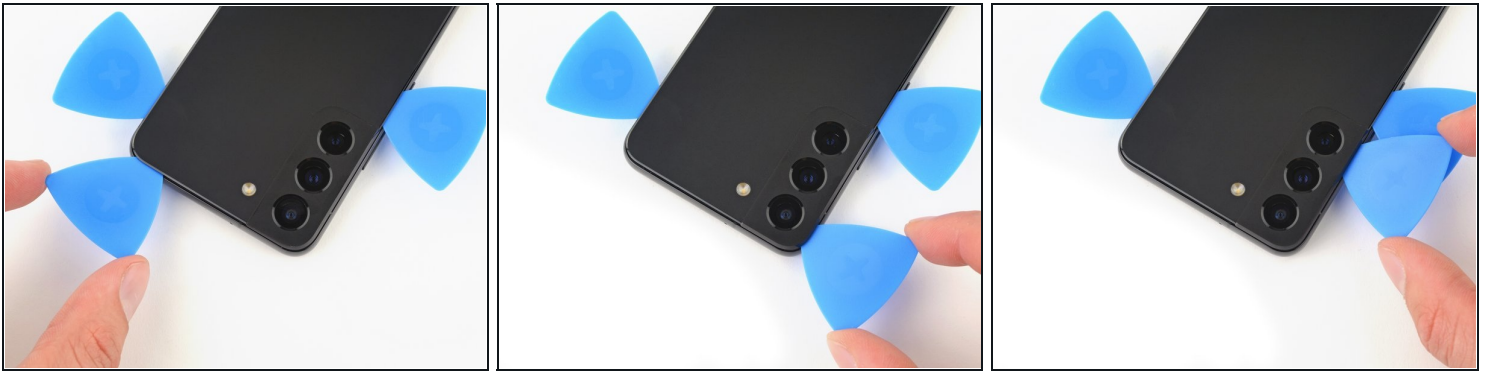
- Insert a third opening pick at the bottom right corner.
 - ⓘ If the adhesive has resealed, insert the pick closer to the bottom edge.
- Slide the pick to the top right corner to slice the adhesive.
- Leave the pick in the top right corner to prevent the adhesive from resealing.

Step 9 — Heat the top edge



- Heat an iOpener and apply it to the top edge of the back cover for two minutes.

Step 10 — Slice the remaining adhesive



- Insert an opening pick in the gap at the top right edge.
- Slide the pick across the top edge and around the top left corner to slice the remaining adhesive.

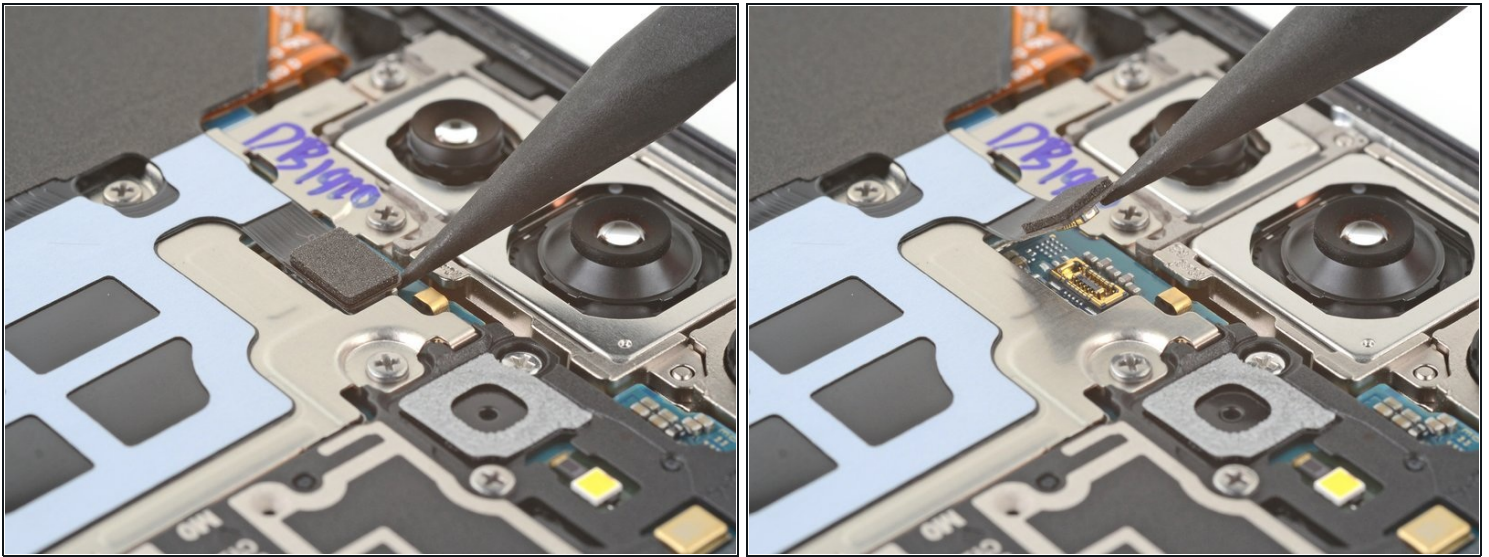
⚠ Only insert the pick up to 4 mm, as you may damage the rear cameras or flash.

Step 11 — Remove the back cover



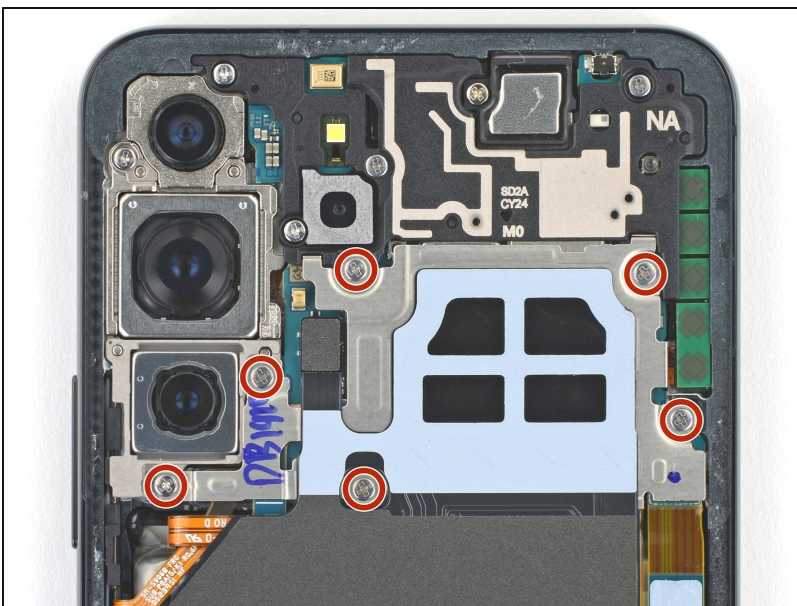
- Grab and remove the back cover.
 - ⓘ If your cover is still sticking to the frame, slide an opening pick around the perimeter until the cover completely separates.
- ☑ During reassembly:
 - This is a good point to power on your phone and test all functions before sealing it up. Be sure to power your phone back down completely before you continue working.
 - Follow [this guide](#) to replace the back cover adhesive and install the back cover.

Step 12 — Disconnect the wireless charging coil



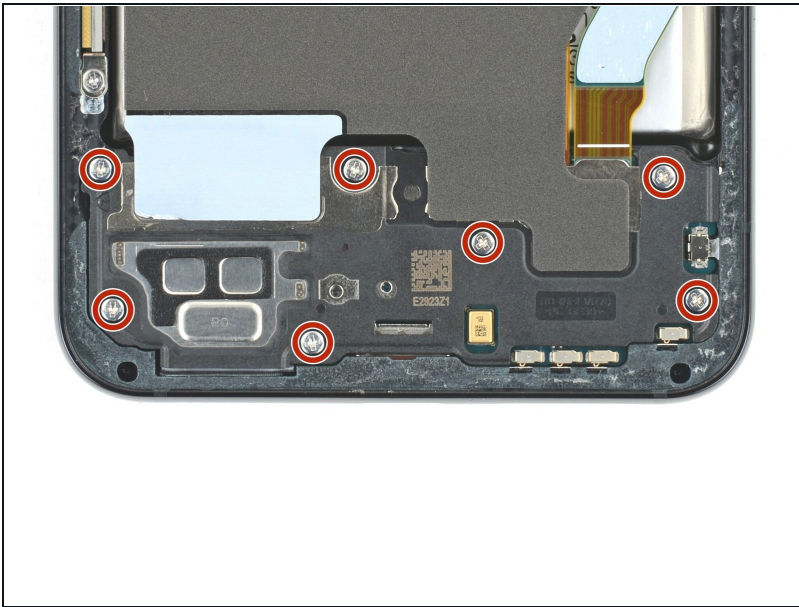
- Use the pointed end of a spudger to pry up and disconnect the wireless charging coil from the motherboard.
- ① To re-attach [press connectors](#), carefully align and press down on one side until it clicks into place, then repeat on the other side. Don't press down on the middle. If the connector is misaligned, the pins can bend and cause permanent damage.

Step 13 — Unfasten the wireless charging coil



- Use your Phillips screwdriver to remove the six 3.5 mm-long screws securing the wireless charging coil.

Step 14 — Unfasten the loudspeaker



- Use your Phillips screwdriver to remove the seven 3.5 mm screws securing the loudspeaker.

Step 15 — Unclip the loudspeaker



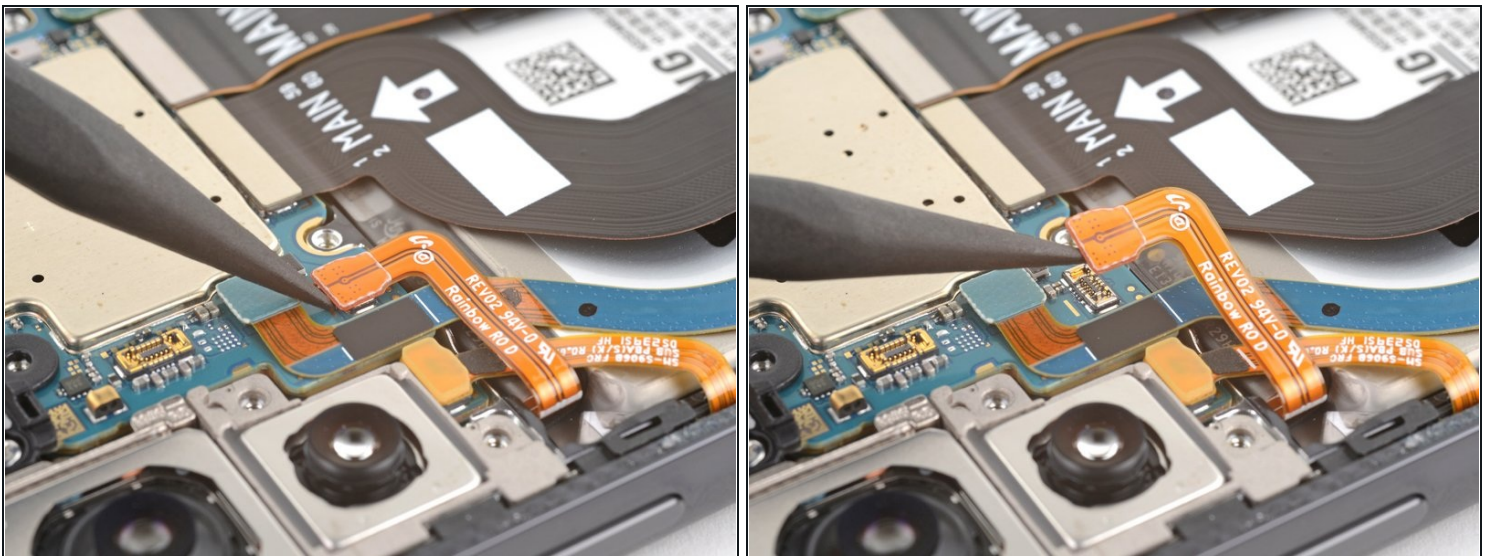
- Insert the pointed end of your spudger between the upper left corner of the loudspeaker and the frame.
 - Pry up to unclip the loudspeaker from the frame.
- ☒ During reassembly, press around the perimeter of the loudspeaker to engage the clips.

Step 16 — Remove the charging coil and loudspeaker assembly



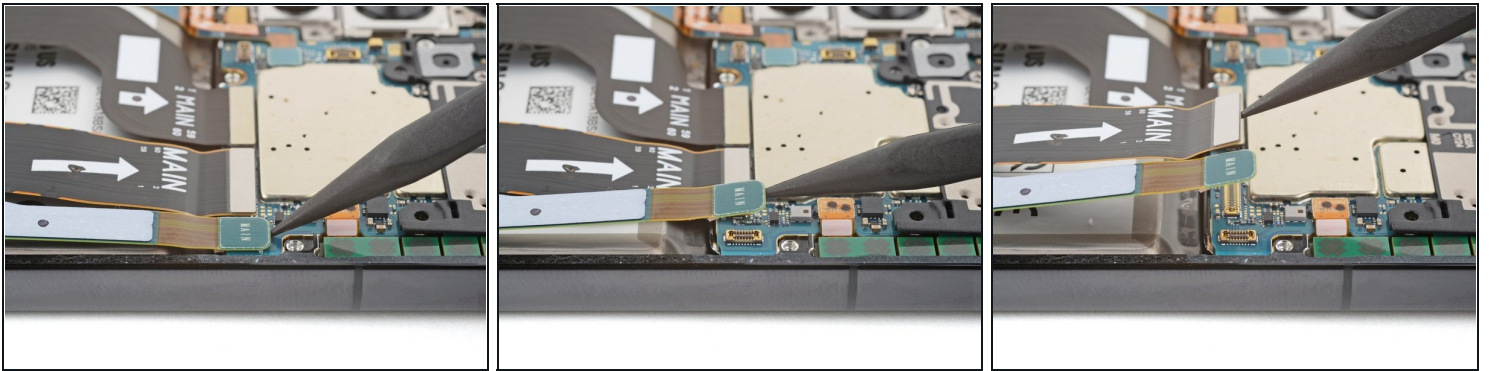
- Grab and remove the wireless charging coil and loudspeaker from the frame.
⚠ Do not separate the charging coil from the loudspeaker.

Step 17 — Disconnect the battery



- Use the pointed end of your spudger to pry up and disconnect the battery press connector.

Step 18 — Disconnect the interconnect cables



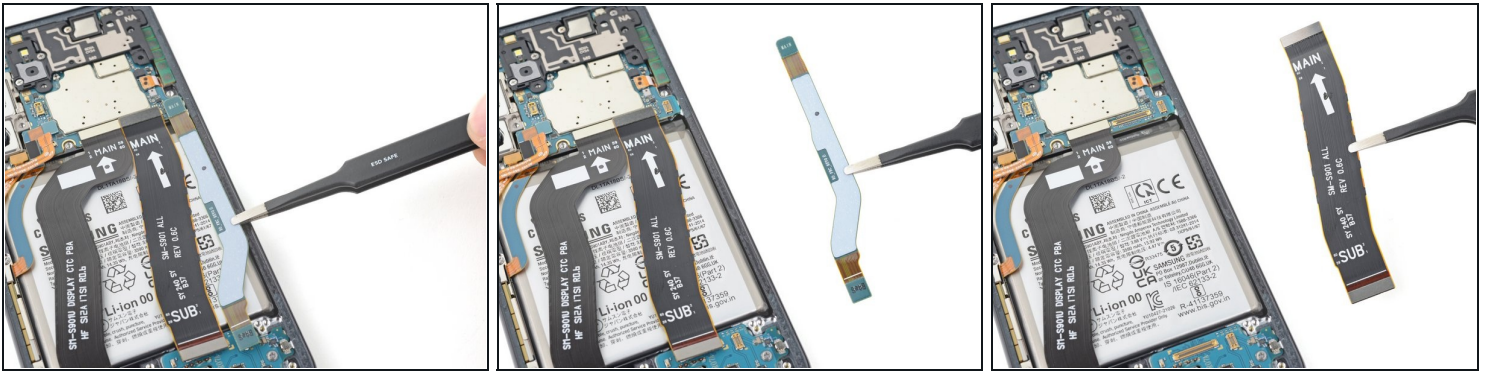
- Use the pointed end of your spudger to pry up and disconnect both interconnect cables from the motherboard.

Step 19



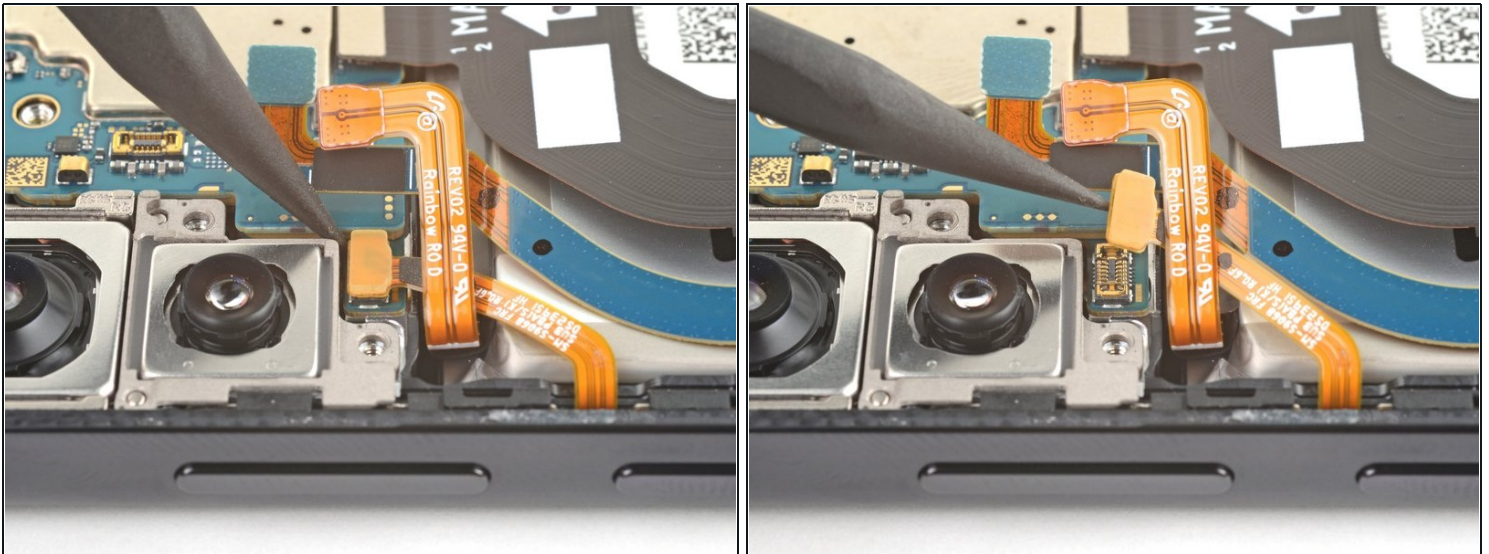
- Use the pointed end of your spudger to pry up and disconnect both interconnect cables from the charging board.

Step 20 — Remove the interconnect cables



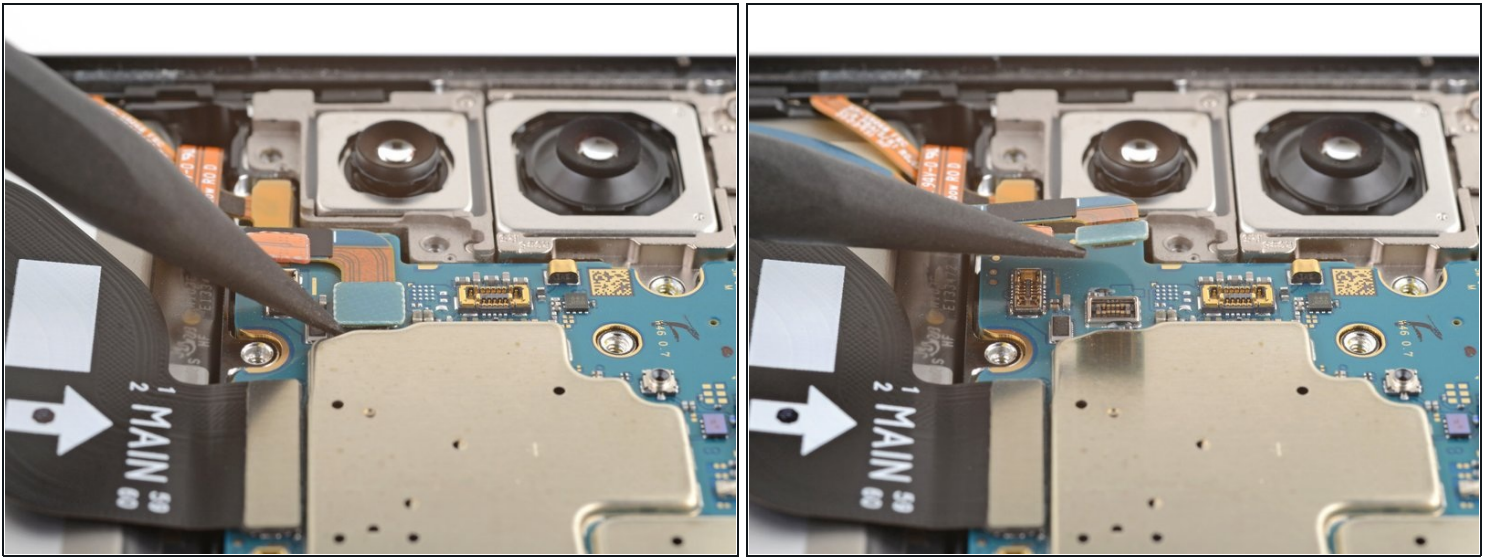
- Grab and remove the two interconnect cables from the frame.
- ☒ During reassembly, orient the cables so the "main" ends are toward the top of the phone and the "sub" ends are toward the bottom.

Step 21 — Disconnect the power and volume buttons



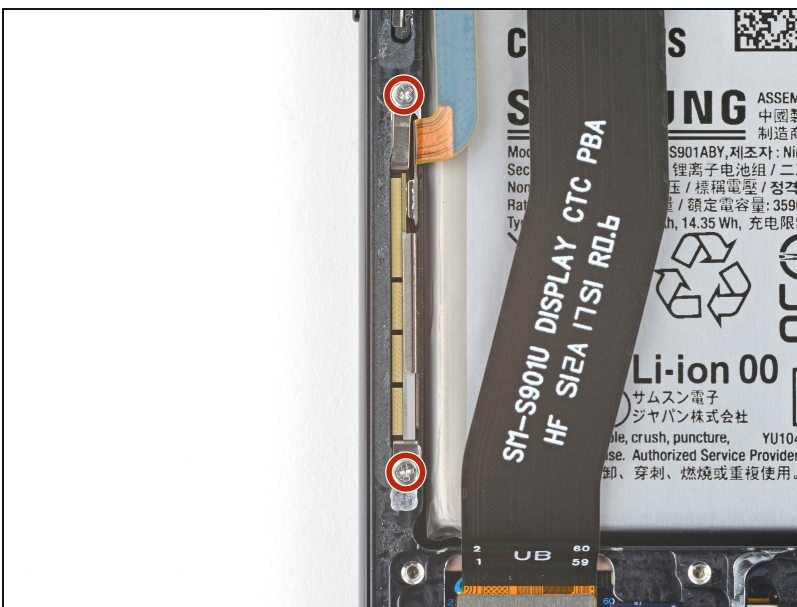
- Use the pointed end of your spudger to pry up and disconnect the power and volume button press connector.

Step 22 — Disconnect the left 5G mmWave antenna



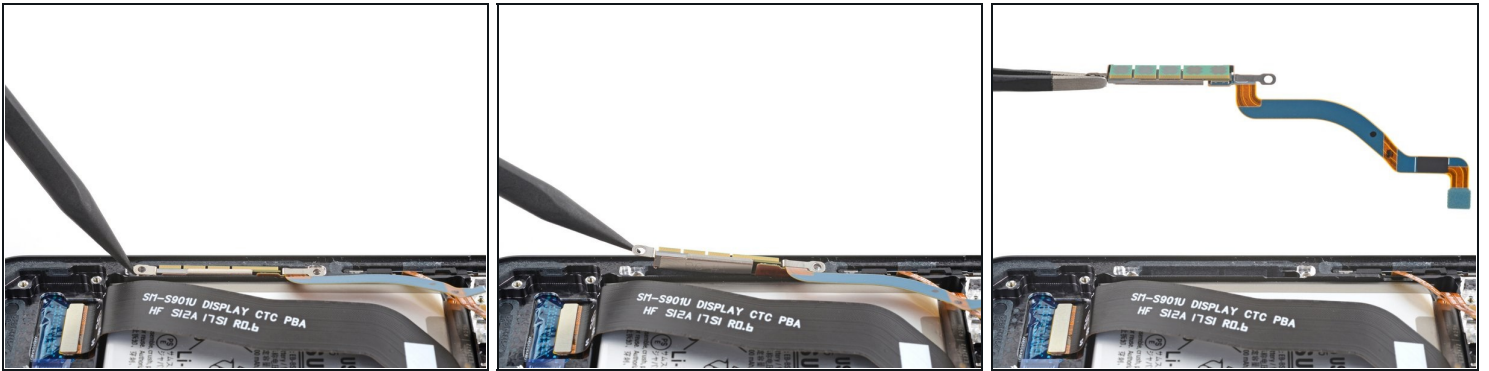
- Use the pointed end of your spudger to pry up and disconnect the left 5G mmWave antenna press connector.
- ☑ During reassembly, make sure this cable and the power and volume button cable are under the battery cable.

Step 23 — Unfasten the antenna



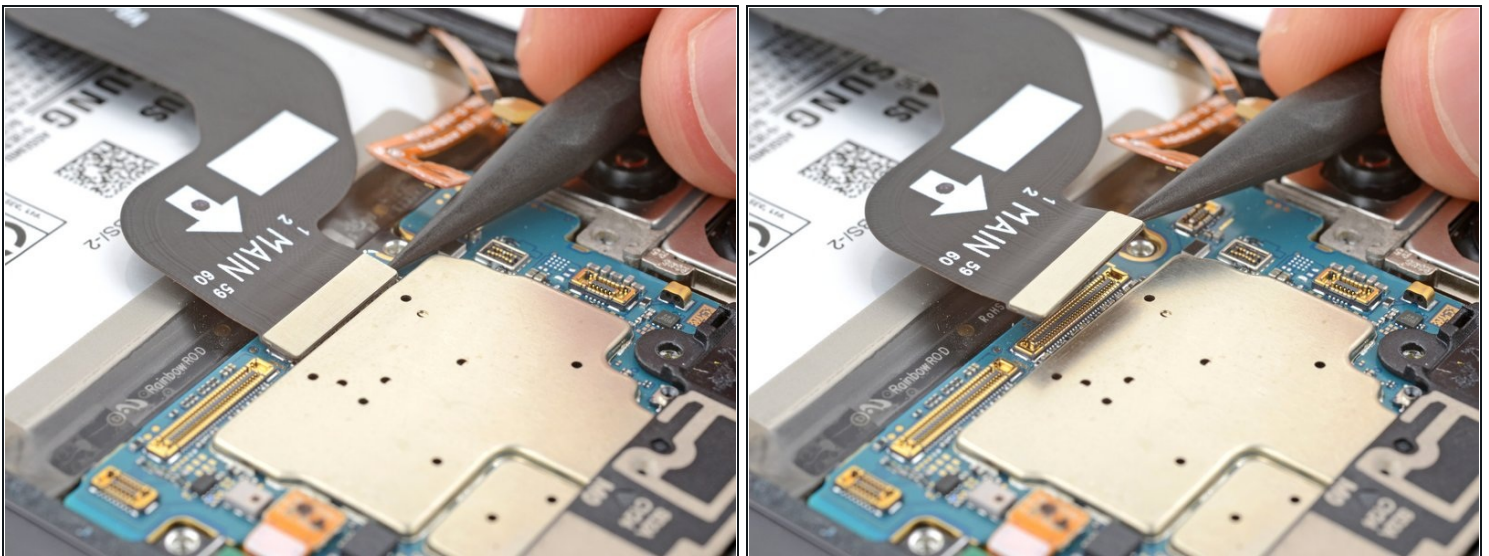
- Use your Phillips screwdriver to remove the two 3.5 mm-long screws securing the left 5G mmWave antenna.

Step 24 — Remove the antenna



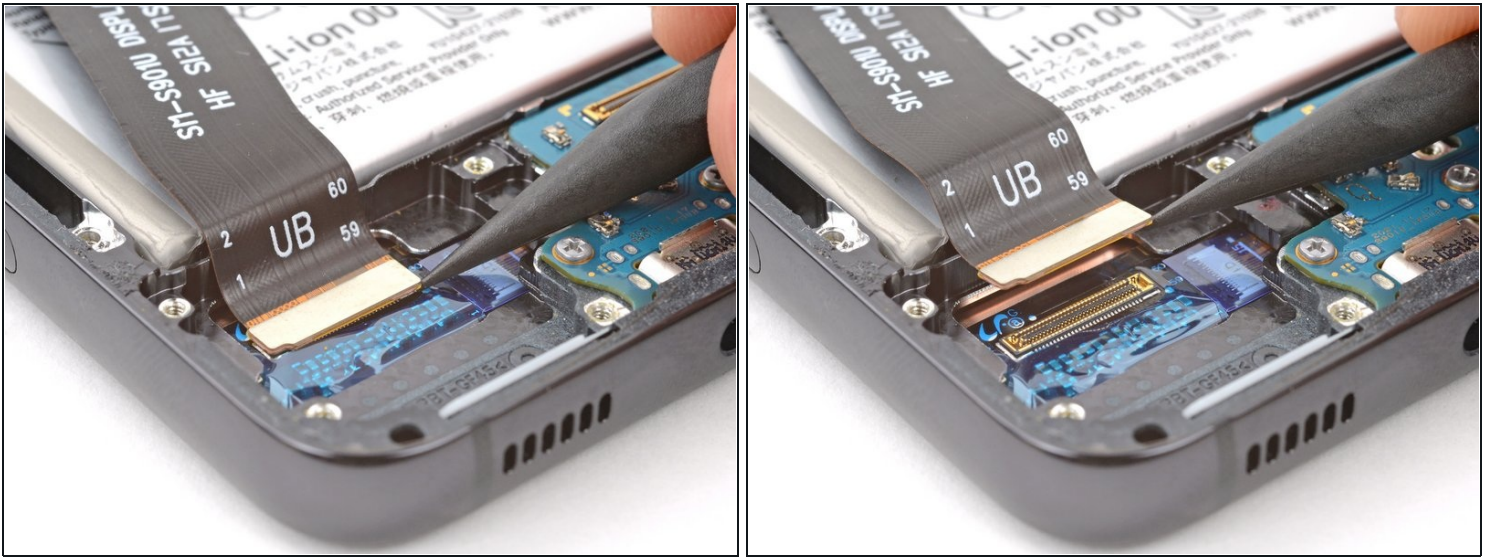
- Insert the pointed end of your spudger between the lower screw mount of the antenna bracket and the frame.
- Pry up on the bracket until you can grab it with blunt nose [tweezers](#) or your fingers.
- Remove the left 5G mmWave antenna.

Step 25 — Disconnect the screen cable



- Use the pointed end of your spudger to pry up and disconnect the screen press connector from the motherboard.

Step 26



- Use the pointed end of your spudger to pry up and disconnect the screen press connector from the bottom left corner of the phone.

Step 27 — Remove the screen cable



- Remove the screen cable.

Step 28 — Apply isopropyl alcohol



i Strong adhesive secures the battery to the frame.

- Use a pipette or syringe to apply 1-2 drops of high-concentration isopropyl alcohol (greater than 90%) between the right edge of the battery and frame.
⚠ Using too much alcohol can damage the display.
- Elevate the right edge of the phone for one minute to allow the isopropyl alcohol to flow under the battery and soften the adhesive.

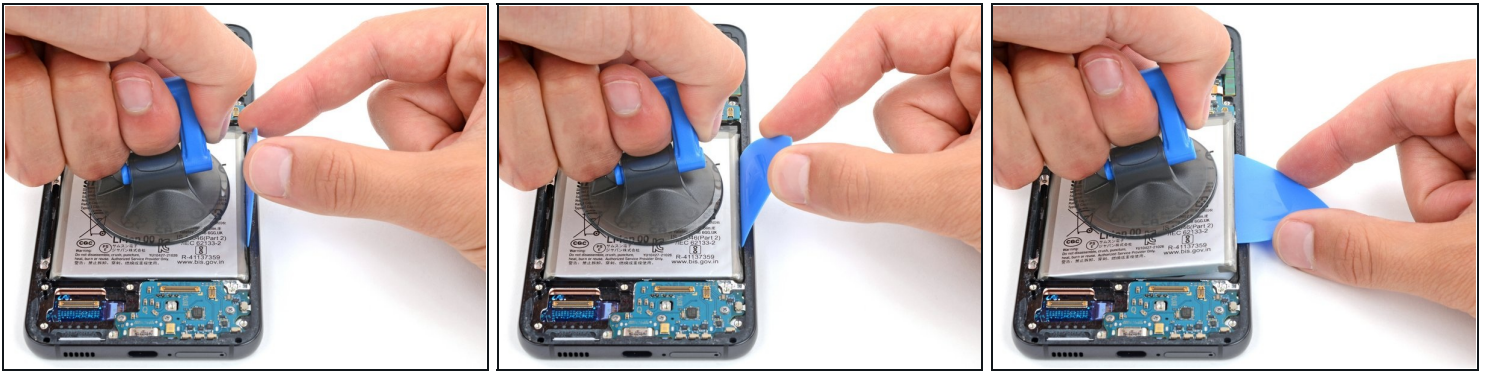
Step 29 — Separate the battery adhesive



⚠ Take care not to puncture the battery—it can leak dangerous chemicals and/or catch fire.

- Apply a suction cup to the battery, as close to the center of the right edge as possible.
- Insert the tip of an opening pick between the right edge of the battery and frame.
- Push the opening pick down and rotate it so the long end is between the battery and frame.

Step 30



⚠ Take care not to crease or bend the battery—it can leak dangerous chemicals and/or catch fire.

- Pull up on the suction cup with strong, steady force while prying the battery up with the opening pick.
- Maintain constant pressure on the pick and suction cup until the battery separates from the frame.
- ⓘ Be patient and allow time for the adhesive to separate. If the battery doesn't budge, apply a few more drops of isopropyl alcohol and try again.

Step 31 — Remove the battery



- Remove the battery.
 - If you used isopropyl alcohol, wait ten minutes before installing the new battery to allow the alcohol to completely evaporate.
- ✦ [Follow this guide](#) to install your new battery.

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

For optimal performance, [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 [Answers community](#) for help.