



Google Pixel 8a Screen Replacement

This repair guide was authored by the iFixit...

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INTRODUCTION

This repair guide was authored by the iFixit staff and hasn't been endorsed by Google. Learn more about our repair guides [here](#).

Follow this guide to replace a broken, cracked, or unresponsive screen on your Google Pixel 8a.

To calibrate the display's fingerprint reader, follow [this guide](#). Genuine Google replacement screens come with the [fingerprint reader already attached](#). If your replacement screen doesn't have a pre-installed fingerprint reader, you'll need to transfer the original fingerprint reader to your new screen and recalibrate it to retain functionality.

You'll need replacement screen adhesives in order to complete this repair.

Note: Any repair can compromise the water resistance of your phone. Retaining water resistance after the repair will depend on how well you reapply the adhesive.



TOOLS:

[Packing Tape](#) (1)
[Hair Dryer](#) (1)
[Heat Gun](#) (1)
[Suction Handle](#) (1)
[Jimmy](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[Tweezers](#) (1)
[Angled](#)
[Spudger](#) (1)
[Isopropyl Alcohol](#) (1)
[Microfiber Cleaning Cloths](#) (1)
[Safety Glasses](#) (1)



PARTS:

[Google Pixel 8a Screen - Genuine](#) (1)
[Google Pixel 8a Screen Adhesive - Genuine](#) (1)
[Google Pixel 7a and 8a Display Enclosure Adhesive - Genuine](#) (1)
[Google Pixel 8a Display Cable Bracket - Genuine](#) (1)

Step 1 — Prepare your Pixel for disassembly



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

- Unplug all cables from your phone.
- Completely power off your phone.
 - ① Press the power and volume up buttons at the same time to bring up the shutdown menu.

Step 2 — Tape over any cracks



- ① Glass shards can complicate disassembly—or worse, cause injury. If your phone has a cracked screen, follow these steps:
 - Apply overlapping strips of packing tape to the cracked glass until the whole screen is covered—this will allow the suction cup to stick to the screen.
- ① Only cover the glass itself—don't stick any tape to the frame.
 - Consider wearing safety glasses to protect your eyes from any glass shaken free during the repair.

Step 3 — Soften the top edge adhesive



- ① The screen is strongly adhered to the frame, has no clips, and resists flexing. It requires significant heat to soften the adhesive underneath.
 - Use a [hair dryer](#), [heat gun](#), or hot plate to heat the top edge of the screen until it's almost too hot to touch.
- ⚠ Be careful not to overheat the phone—the battery and plastic components are susceptible to heat damage. Stop heating if the frame becomes too hot to touch.

Step 4 — Insert your tool under the screen



- Apply a suction handle to the center of the top edge of the screen.

Step 5



- ⚠ Inserting your tool is very difficult. Be patient and reheat the screen at any point if it feels stuck.
- ⚠ Don't insert your tool deeper than 2 mm, as you risk damaging the front-facing camera.
- Insert the tip of a [Jimmy](#) into the [left side of the earpiece speaker cutout](#).
 - ① If you don't have a Jimmy, you can use another small metal tool. Make sure it's *thin* and *rigid*.
- Pull up on the suction handle with a strong, steady force.
- Firmly press the Jimmy into the cutout and lower it until the tip slides under the glass.

Step 6



- Insert the tip of an opening pick under the screen and remove the Jimmy.

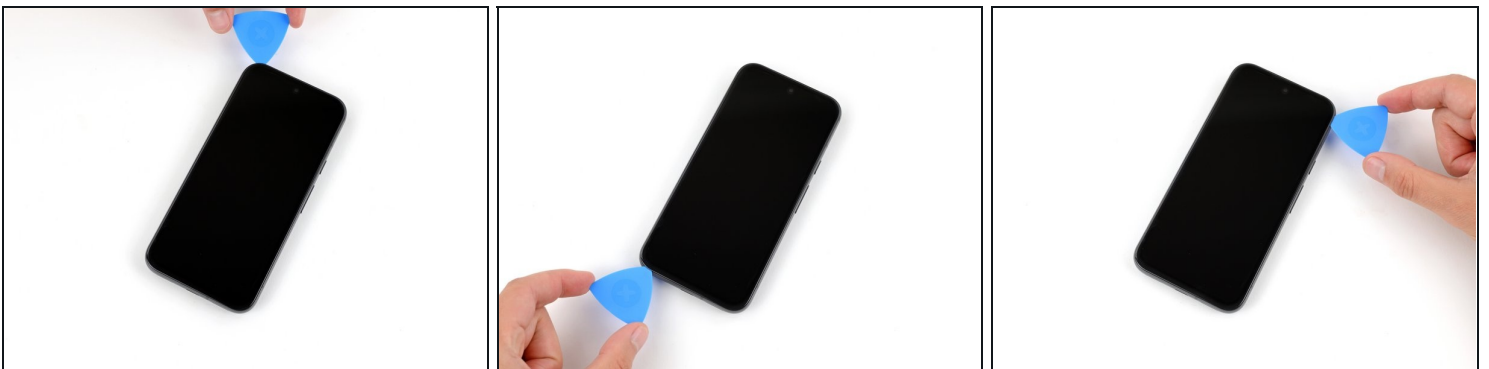
Step 7 — Separate the screen adhesive



⚠ Don't insert your pick deeper than 2 mm, as you might damage the front-facing camera.

- Slide your pick back and forth across the top edge of the screen to separate the adhesive.

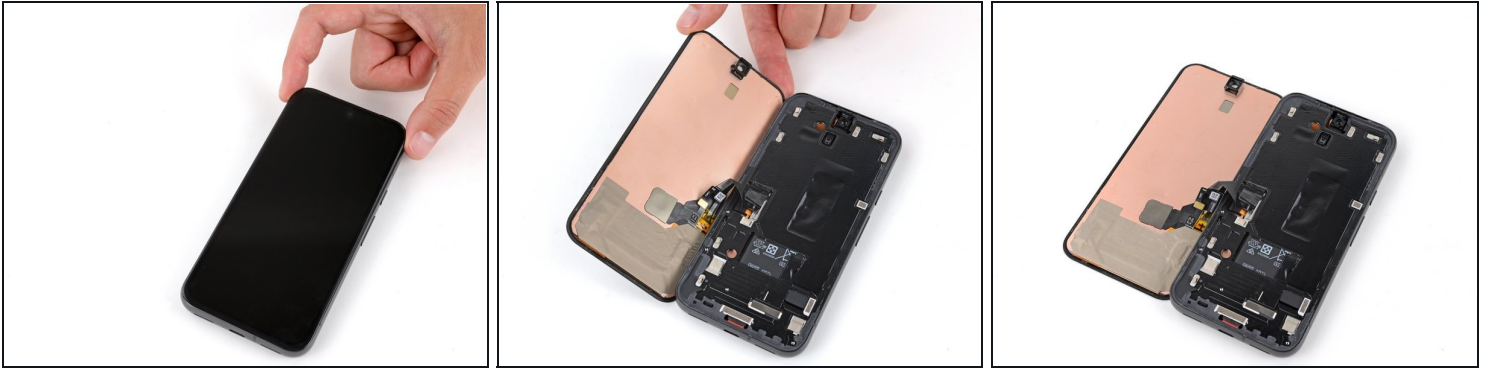
Step 8



⚠ Don't insert your pick deeper than 3 mm, as you might damage your phone's internal components.

- ① For a visual reference, you can measure 3 mm from the tip and [mark your pick](#) with a permanent marker.
- Continue sliding your pick around the perimeter of the phone to separate the remaining adhesive.

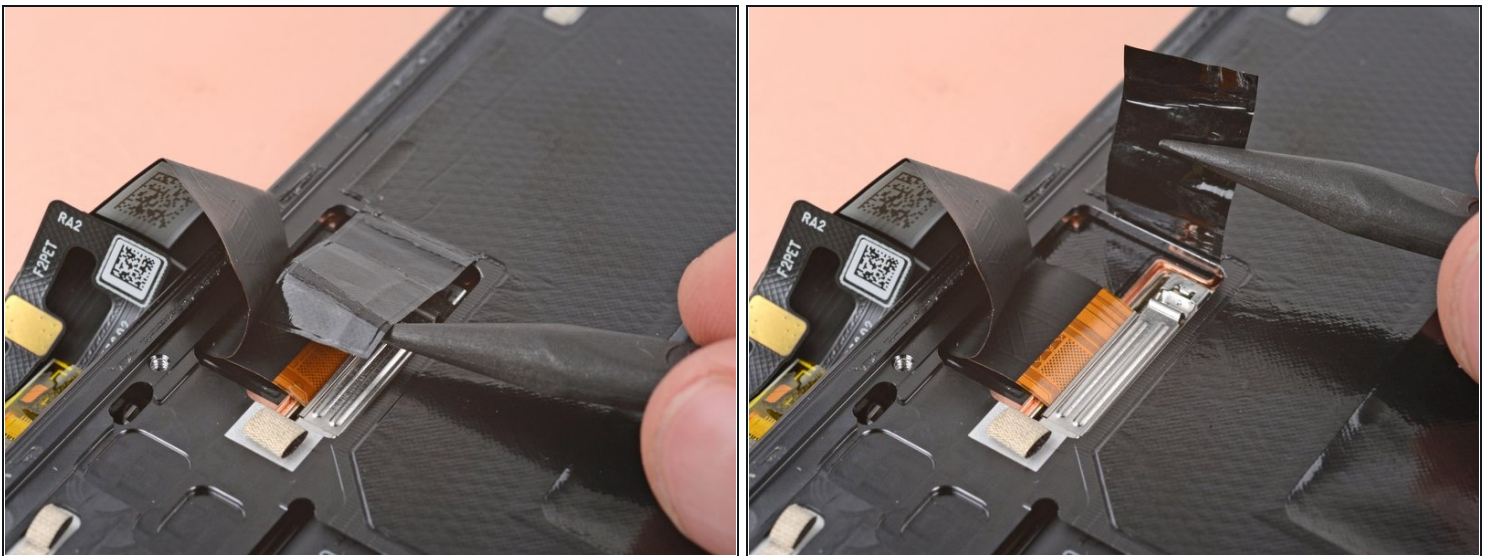
Step 9



- Swing the right edge of the screen open (like turning the page of a book) and lay it over the left edge of the frame.

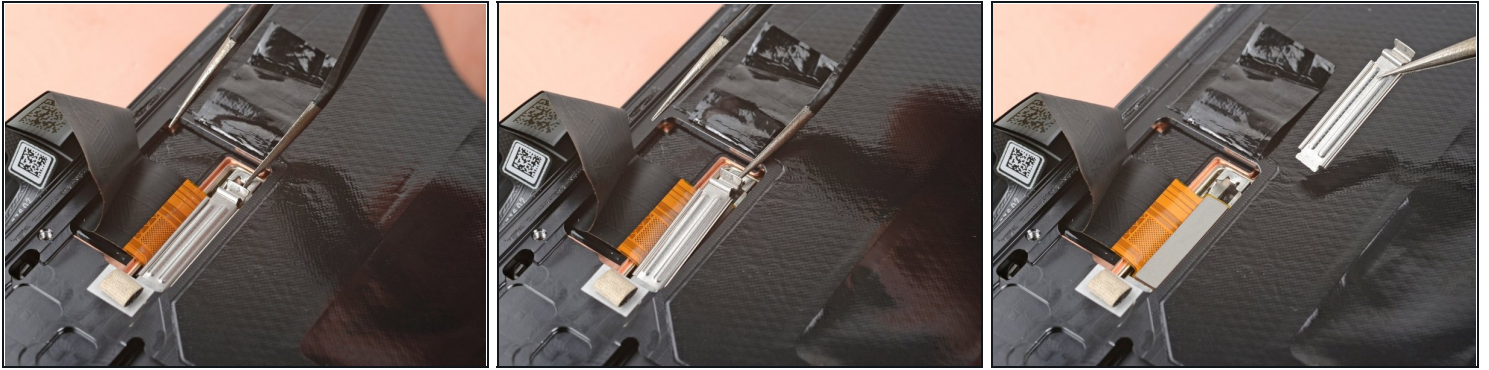
⚠ Be careful not to strain the screen cable.

Step 10 — Disconnect the screen



- Move the flap of graphite film away from the screen connector.

Step 11



- ⚠ Hold one hand above the display bracket when prying it up, as the bracket can easily eject.
- Use the *tip* of one arm of your angled tweezers to pry up the top edge of the display cable bracket from the center of the logic board.
 - ⚠ Be very careful not to damage the board under the bracket's socket. Only insert your tweezers just enough to pry up the bracket.
- Remove the bracket.

Step 12



- Insert the tip of a spudger or a clean fingernail under the top edge of the display cable press connector and pry straight up to disconnect it.
- ① To reconnect a [press connector](#), align it over the socket and gently press down on one side until it clicks into place, then press down on the other side. It might take a few tries to align the connector.

Step 13



- Use tweezers or your fingers to pull the screen cable out from under its lip on the edge of the frame.

Step 14



- Remove the screen.

⚠ The back of the Pixel's screen is very fragile. Even a small scratch or dent can damage the screen.

- ① To prevent damaging your screen or replacement screen:
 - When handling your screen, grip it by its edges.
 - When placing the screen on your work area, make sure nothing is touching the bottom of the screen. Consider placing it on a soft, lint-free cloth.

Step 15



① The remaining steps show how to install your replacement screen.

- Make sure the front sensor gasket (located just below the front camera) is properly aligned and fully over the sensor.
- If it's not, reposition it over the front sensor with the smaller cutout toward the top.

Step 16 — Prepare the frame for reassembly



⚠ The underside of the battery is exposed through a small cutout in the frame—be careful not to damage it with your tool.

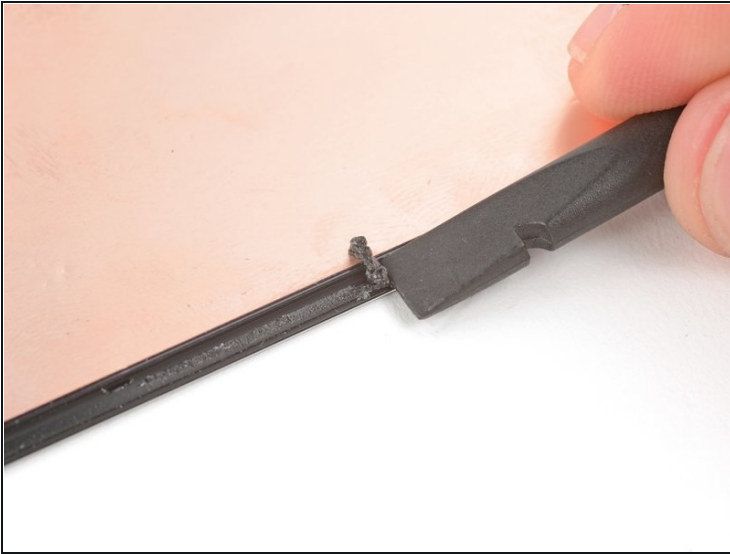
- Use tweezers and a spudger to scrape up and remove any remaining pieces of adhesive [below the battery cutout](#).

Step 17



- If any screen adhesive bits remain on the perimeter of the frame, use a spudger and tweezers to scrape up and remove them.

Step 18



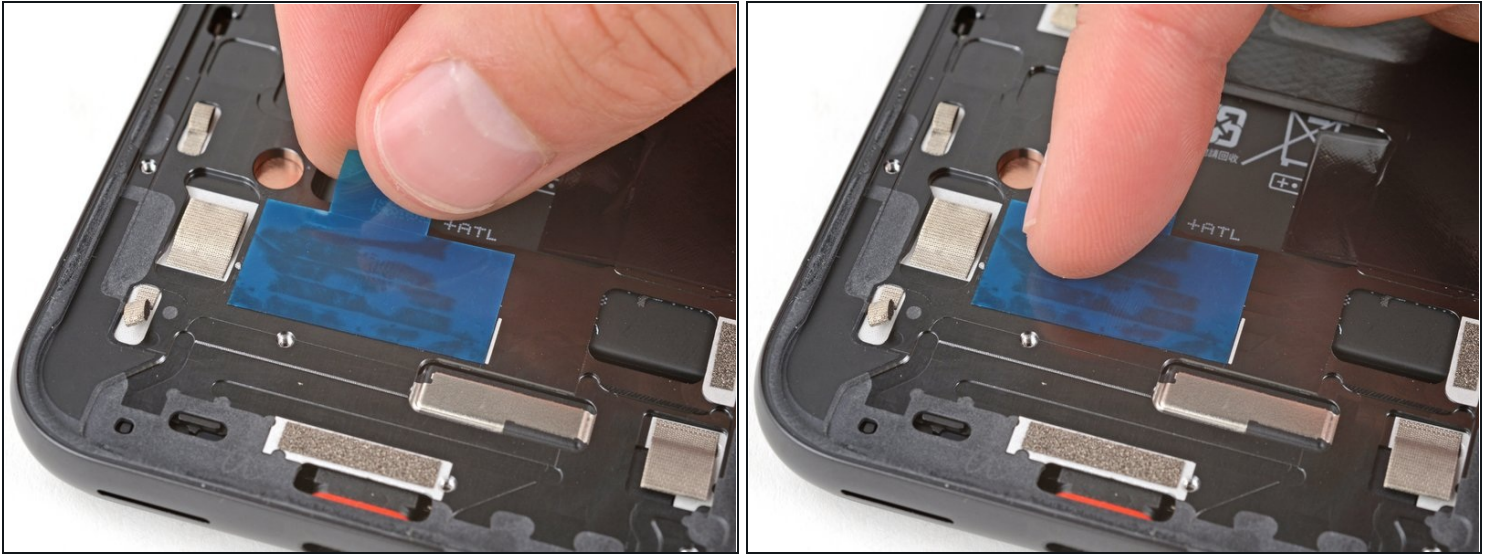
- If you're reusing your original screen, use a spudger and tweezers to scrape up and remove the old adhesive from the perimeter of the screen.

Step 19



- Use a pipette or syringe to apply a few drops of highly-concentrated isopropyl alcohol (over 90%) to the perimeter of the frame and the area below the battery cutout.
- Wipe the residue away using a lint-free or [microfiber cloth](#).

Step 20 — Apply new adhesives



- Peel the rectangular display enclosure adhesive from its large liner.
- Apply the adhesive to the frame in the same location as the old adhesive, just below the battery cutout.
 - ① Use the white line on the frame to help align the right edge.
- Use your fingers to press down and secure the adhesive to the frame—don't remove the top liner yet.

Step 21



- ① If your screen already comes with adhesive pre-installed, [remove its liner](#) and [skip down six steps](#) to continue reassembly.
- Before removing any liners from the screen adhesive, hold it over the frame to make sure it's oriented correctly. Use the camera cutout on the top edge to line it up correctly.
 - ① The blue liner should be facing up, with the larger, clear liner on the bottom.

Step 22



- Peel down the *top half* of the larger liner (closest to the camera cutout) to expose the adhesive—don't remove the whole liner yet.

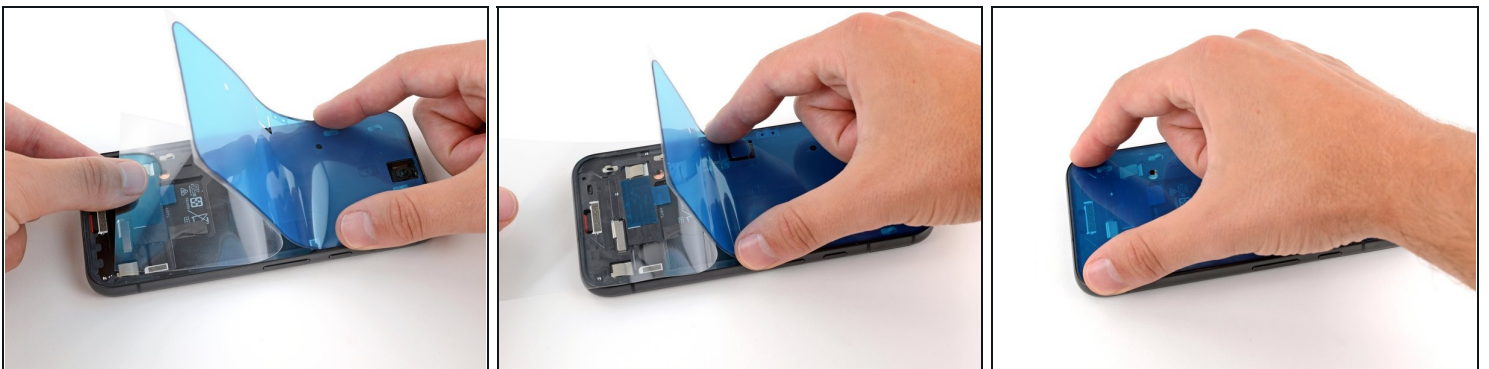
Step 23



⚠ Take your time aligning the adhesive with the frame—it's very sticky and can't be moved after you apply it.

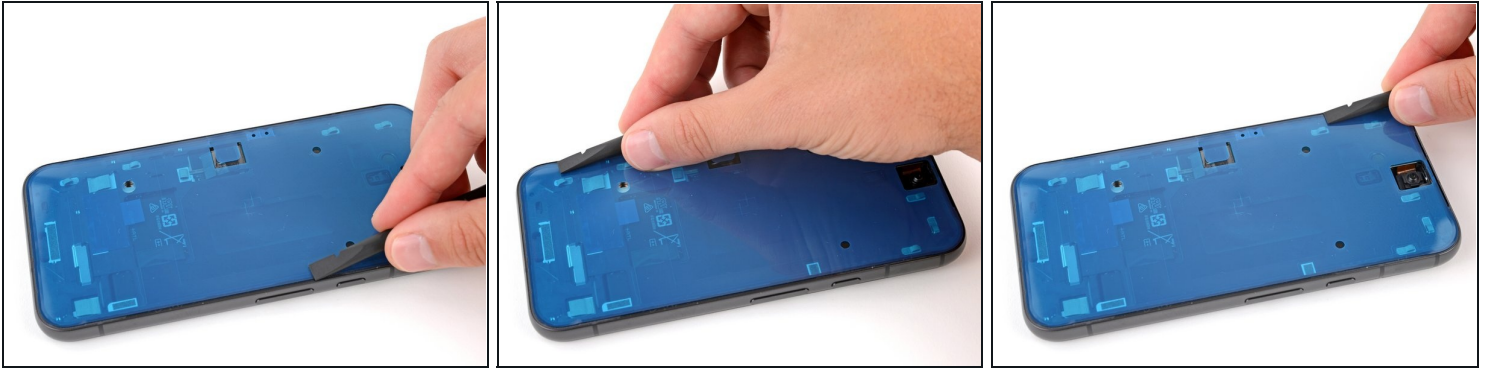
- ① Keep the larger liner folded towards the bottom of the phone during this step.
- Lay the exposed top edge of the adhesive onto the frame, using the lip to help align it.
- Once the top edge is properly aligned, gently press down to secure it in place.

Step 24



- Slowly lay the rest of the adhesive onto the frame, peeling away the large liner as you go.

Step 25



- Use the flat end of your spudger to press along the perimeter of the adhesive and secure it to the frame.

Step 26



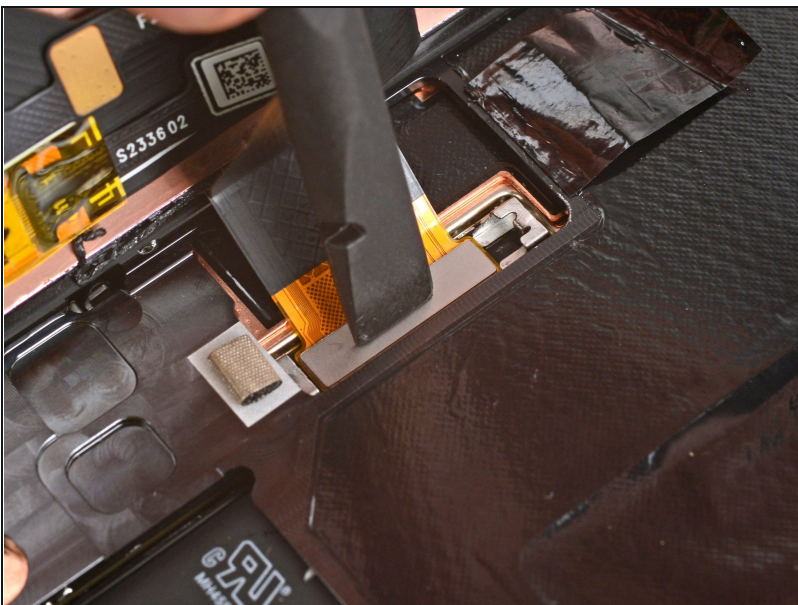
- Grab the pull tab in the center of the left edge and slowly peel and remove the liner.
 - ① If the adhesive starts to peel up with the liner, check that you've pushed all of it into place with your spudger. If it continues to peel up, hold it down with the point of your spudger as you go.

Step 27 — Reattach the screen



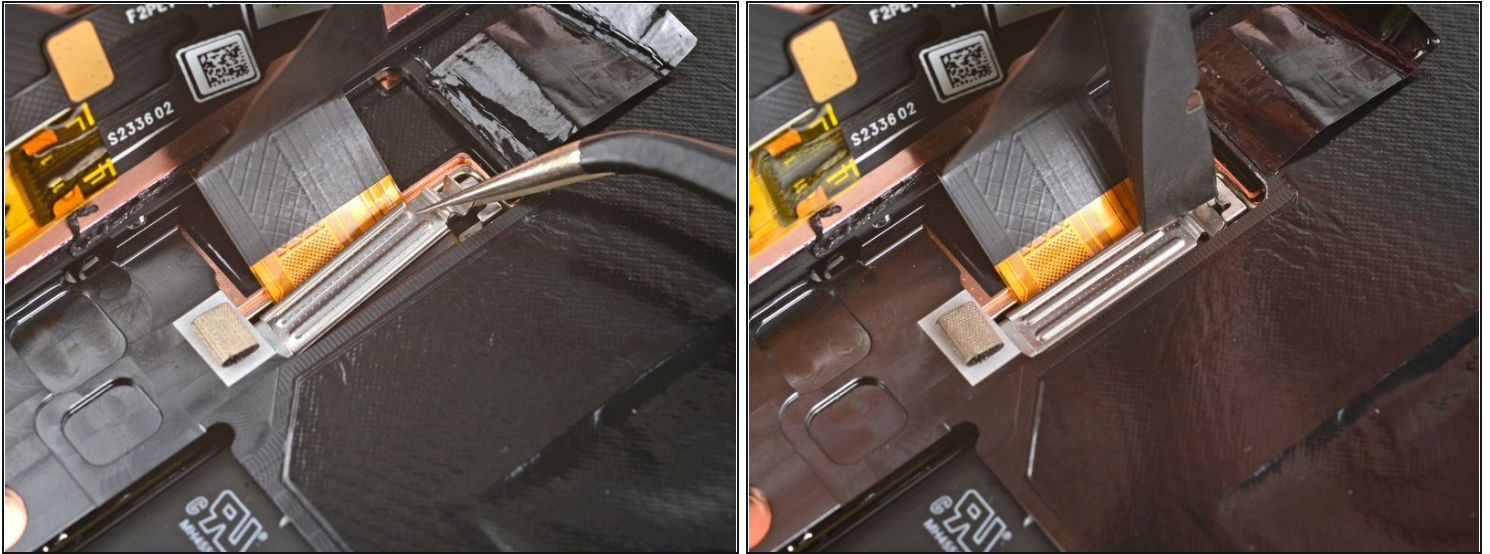
- Apply a suction handle to the left side of the replacement screen, with the handle facing left.
- Prop up your screen on the left side of the frame.
- ① If you don't have a suction handle, prop up the phone against a sturdy object, such as a heavy box or thick book.

Step 28



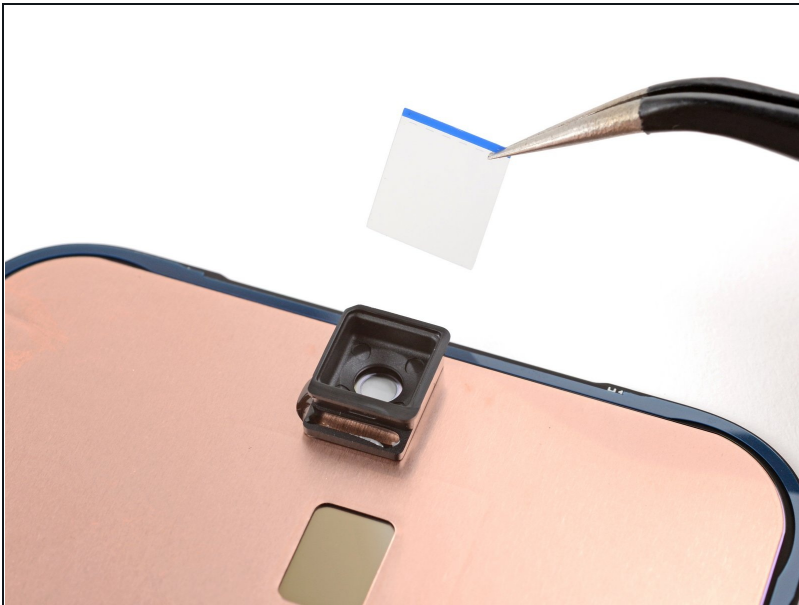
- Connect the screen cable by aligning it over the socket and pressing on one side until it clicks into place before fully pressing it down.

Step 29



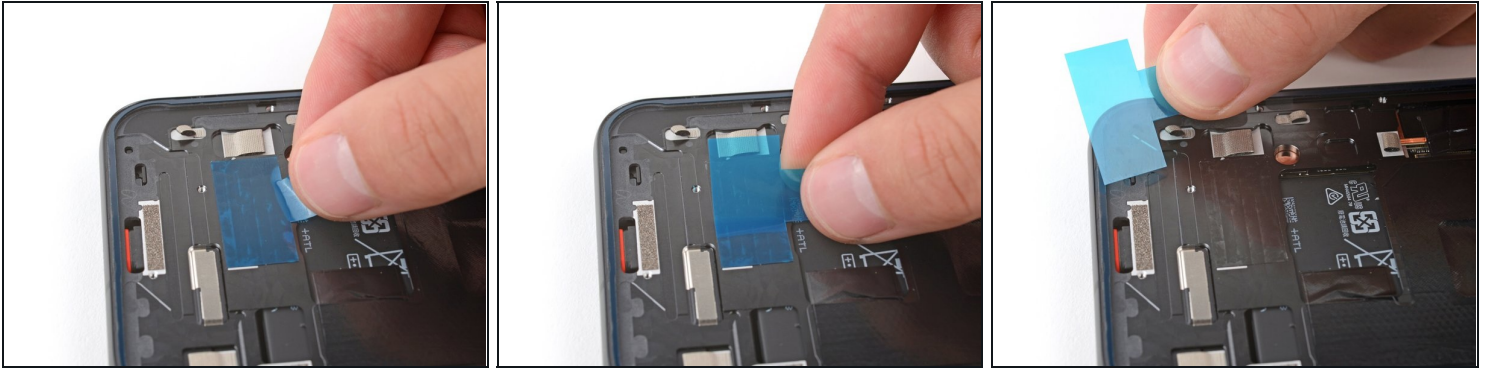
- Hook the bottom edge of the bracket into its slot on the logic board and press down firmly on the top to snap the bracket back into place.
- ① If your display cable bracket is bent and doesn't fit, replace it with a [new one](#).

Step 30 — Remove the liners



- Remove any liners from the front camera housing on the top edge of the screen.

Step 31



- Peel and remove the blue liner from the square adhesive on the frame, just below the battery cutout.

Step 32



- Use the pull tabs on the left edge to peel and remove the remaining perimeter adhesive liner.

Step 33 — Secure the new screen



- Hold the screen just above the frame by the suction handle.
- Use a spudger to fold the flap of graphite film back over the screen cable.
- Press the screen into place.

Step 34



- Remove the suction handle.
- ① For a better seal, lightly warm the screen with a [heated iOpener](#), [hair dryer](#), [heat gun](#), or hot plate before pressing around the perimeter.
- Firmly press around the perimeter of the screen to secure it to the frame.

To calibrate the display's fingerprint reader, use Google's [Pixel Update and Software Repair tool](#).

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

To run a diagnostics test with the built-in Pixel Diagnostic tool, [click here](#).

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