



Google Pixel 7 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](#).

Use this guide to replace the screen for your Google Pixel 7.

For your safety, discharge the battery below 25% before disassembling your phone. This reduces the risk of fire if the battery is accidentally damaged during the repair. If your battery is swollen, [take appropriate precautions](#).

Caution: The Pixel 7 contains class 1 lasers. Disassembly could result in exposure to invisible infrared laser emissions.

Your new replacement screen should come with the fingerprint reader already attached. If not, you will need to reinstall the original fingerprint reader to your new replacement screen and [recalibrate the reader](#) to maintain its functionality.

Retaining water resistance after the repair will depend on how well you reapply the adhesive, but your device will lose its IP (Ingress Protection) rating.

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

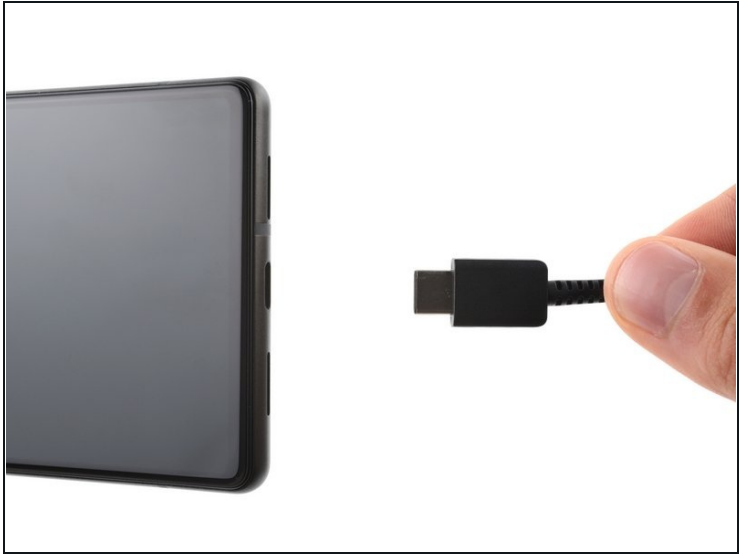
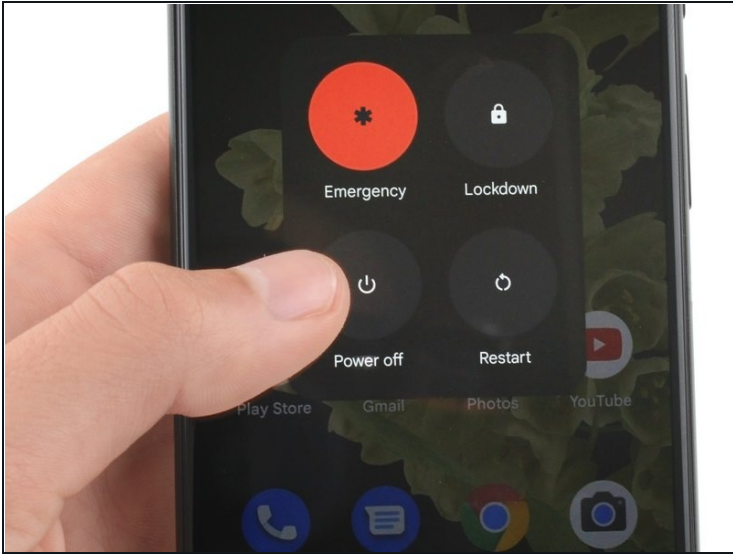
TOOLS:

[Clampy - Anti-Clamp](#) (1)
[Isopropyl Alcohol \(90% or Greater\)](#) (1)
[iOpener](#) (1)
[Heat Gun](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[Tweezers](#) (1)
[Spudger](#) (1)
[Microfiber Cleaning Cloths](#) (1)
[Safety Glasses](#) (1)
[iFixit Adhesive Remover](#) (1)

PARTS:

[Google Pixel 7 Screen - Genuine](#) (1)
[Google Pixel 7 Display Adhesive - Genuine](#) (1)
[Tesa 61395 Tape](#) (1)

Step 1 — Safety precautions



⚠️ Allow your battery to drain below 25% before starting this repair. A charged battery may catch fire if damaged.

- Fully power off your phone and unplug any cables.

Step 2 — Screen removal information



- ① The screen of the Google Pixel 7 is held in place by a safety frame of plastic clips and adhesive.
- During the removal procedure, make sure to insert your opening picks under the safety frame to avoid separating it from the screen.
- ⚠ Only insert the pick up to ~3.5 mm during the removal procedure to avoid damaging the internals and to avoid interfering with the plastic clips.
- There are several plastic clips around the whole screen. In case your opening pick gets blocked during the screen removal procedure it means you inserted your pick too deep underneath the screen.

Step 3 — Anti-Clamp instructions



- ① The next three steps demonstrate the [Anti-Clamp](#), a tool we designed to make the opening procedure easier. **If you aren't using the Anti-Clamp, skip down three steps for an alternate method.**
- ① For complete instructions on how to use the Anti-Clamp, [check out this guide](#).
- ① If your screen is cracked, cover it with a layer of clear packing tape to help the suction cup adhere.
- Pull the blue handle backwards to unlock the Anti-Clamp's arms.
- Slide the arms over either the left or right edge of your phone.
- Position the suction cups near the bottom edge of the phone—one on the front, and one on the back.
- Squeeze the cups together to apply suction.
- ① If you find that the surface of your phone is too slippery for the Anti-Clamp to hold onto, you can [use tape](#) to create a grippier surface.

Step 4



- Pull the blue handle forward to lock the arms.
- Turn the handle clockwise 360 degrees or until the cups start to stretch.
- Make sure the suction cups remain aligned with each other. If they begin to slip out of alignment, loosen the suction cups slightly and realign the arms.

Step 5



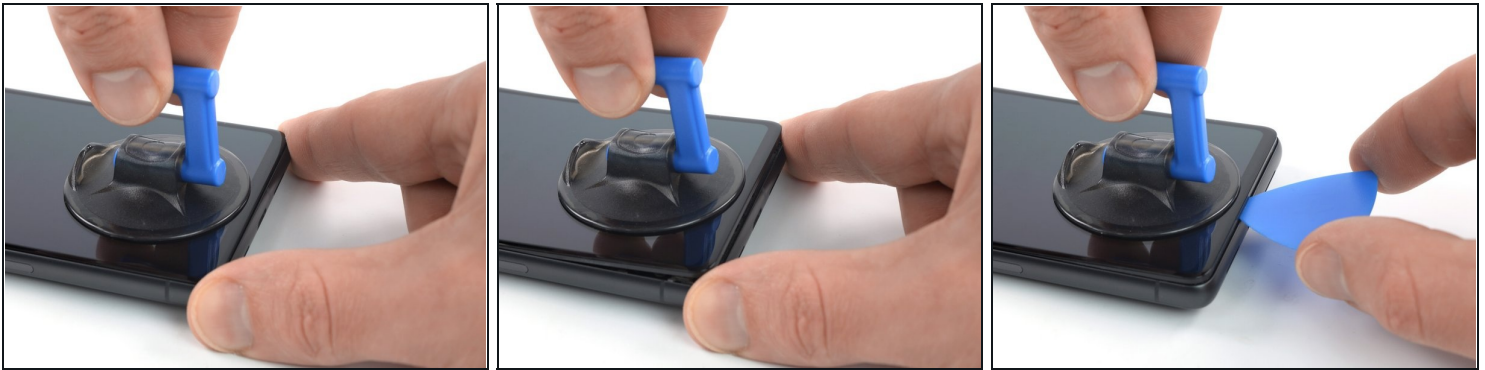
- [Heat an iOpener](#) and thread it through the arms of the Anti-Clamp.
 - ① You can also use a [hair dryer](#) or [heat gun](#)—but extreme heat can damage the display and/or internal battery, so proceed with care.
- Fold the iOpener so it lays on the bottom edge of the phone.
- Wait one minute to give the adhesive a chance to release and present an opening gap.
- Insert an opening pick under the screen frame when the Anti-Clamp creates a large enough gap.
 - ① If the Anti-Clamp doesn't create a sufficient gap, apply more heat to the area and rotate the handle clockwise half a turn.
- ⚠ **Don't crank more than a half a turn at a time, and wait one minute between turns. Let the Anti-Clamp and time do the work for you.**
- **Skip the next two steps.**

Step 6 — Loosen the display adhesive



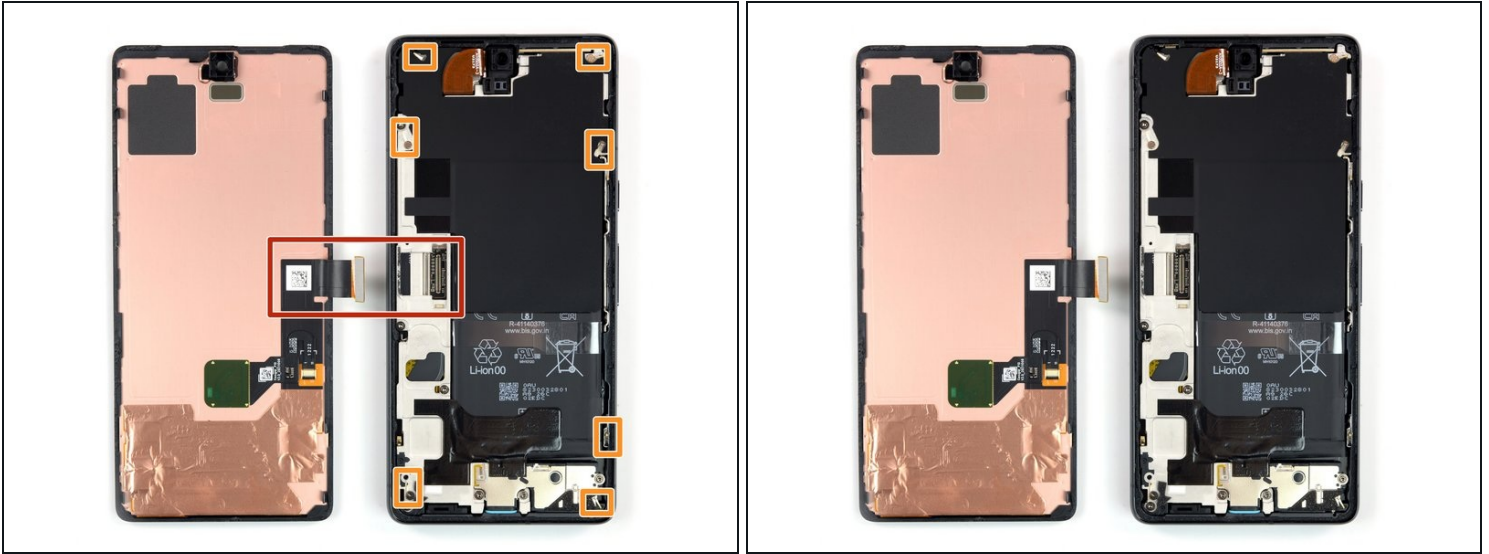
- Apply a [heated iOpener](#) to the screen to loosen the adhesive underneath. Apply the iOpener for at least 3 minutes.
- ⓘ A hair dryer, [heat gun](#), or hot plate may also be used, but be careful not to overheat the device. The edge should feel slightly too hot to the touch.

Step 7 — Insert an opening pick



- Once the screen is warm to the touch, apply a suction handle to the bottom edge of the screen.
 - ① If your display is badly cracked, [covering it with a layer of clear packing tape](#) may allow the suction cup to adhere. Alternatively, very strong tape may be used instead of the suction cup. If all else fails, you can superglue the suction cup to the broken screen.
- Lift the screen including its safety frame with the suction handle to create a small gap between the screen and the phone assembly.
 - ① Depending on the age of your phone, this may be difficult. If you're having trouble, apply more heat to the bottom edge and try again.
- Insert an opening pick into the gap.

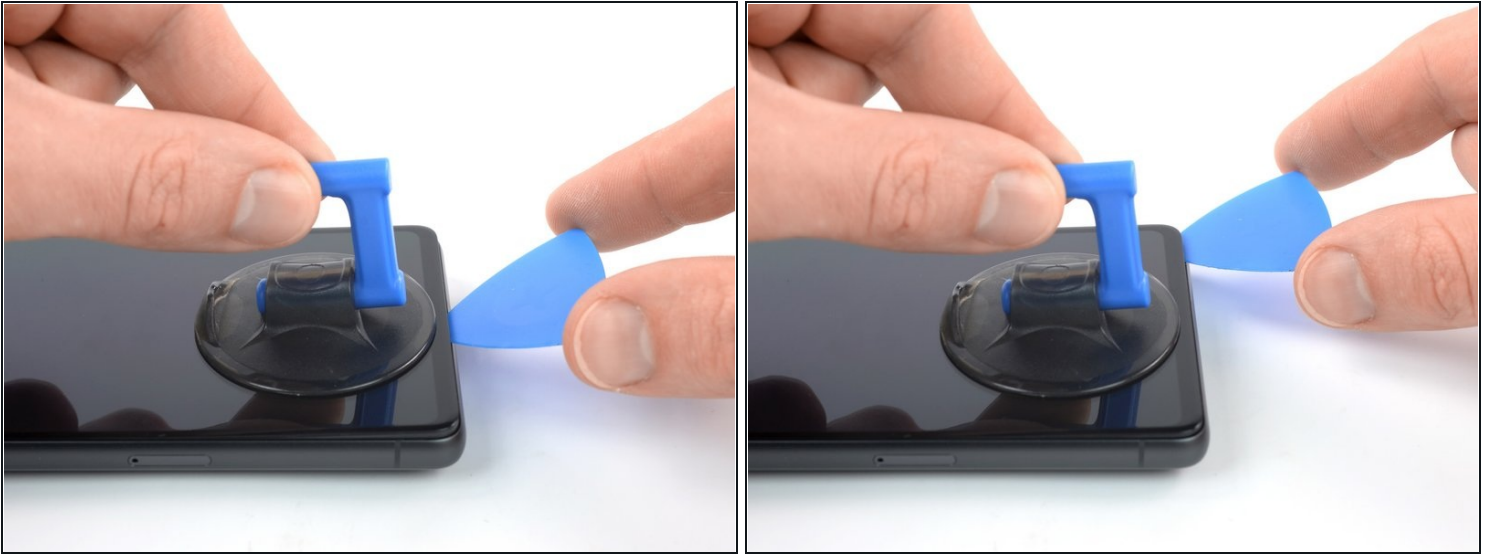
Step 8 — Prevent damage to your phone



⚠ To avoid damaging your phone, **don't insert your pick more than ~2.5 mm as you separate the screen adhesive.** Note the following areas:

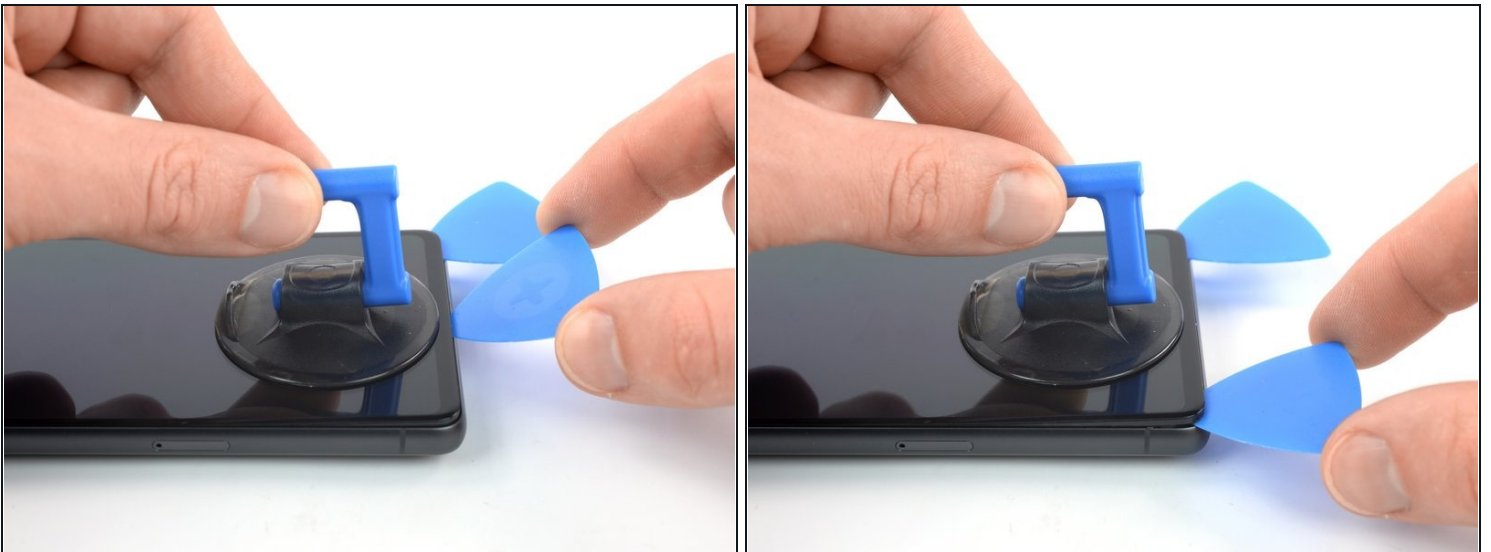
- The screen cable is a little less than halfway up the left edge of the phone. Be very careful here to avoid tearing the cable.
- There are many spring contacts around the perimeter of the phone. Be very careful in these areas to avoid bending the contacts.

Step 9 — Slice the bottom edge adhesive



- Slide the opening pick to the bottom right corner of the screen to slice its adhesive.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 10



- Insert a second opening pick at the bottom edge and slide it to the bottom left corner of the screen to slice the adhesive.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 11 — Release the left clips



- Insert a third opening pick underneath the bottom left corner of the screen.
- Slide the opening pick along the left edge of the screen to slice the adhesive and to release the plastic clips.
- Leave the opening pick in the top left corner to prevent the adhesive from resealing.

Step 12 — Slice the top edge adhesive

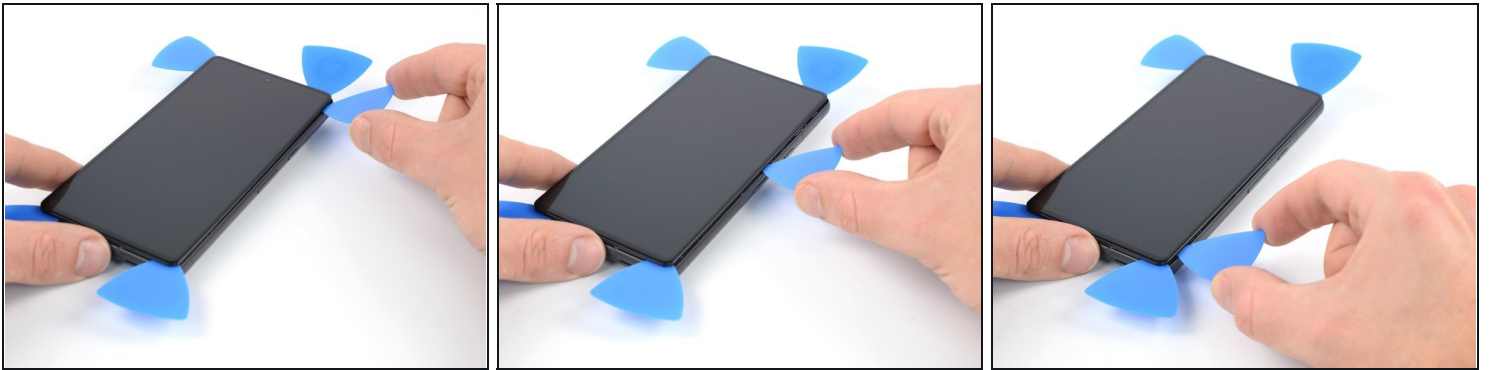


ⓘ If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) or heat gun for 1-2 minutes to reheat it.

⚠ When you slice near the front facing camera, insert only the tip of the opening pick (~2.5 mm) to avoid damaging or smearing the camera.

- Insert a fourth opening pick at the top left corner of the screen.
- Slide the opening pick along the top edge of the phone to slice the adhesive.
- Leave the opening pick in the top right corner to prevent the adhesive from resealing.

Step 13 — Release the right clips



- Insert a fifth opening pick and slide it along the right edge of the phone to slice the remaining adhesive and release the right plastic clips.

⚠ Do not try to remove the display all the way yet, the screen is still connected to the phone assembly by a flex cable.

Step 14 — Open up the phone assembly



- Lift the right edge of the screen up and towards the left side of the device, like opening a book.
- ⚠ Don't twist the screen or move it too far away from the frame to avoid straining or damaging the flex cable.**
- Rest the screen upside down and parallel to the frame before continuing.

Step 15 — Release the display cable bracket



❶ The display cable bracket sits tightly and requires some force to release it.

- Insert one arm of a pair of [tweezers](#) into the opening at the upper end of the display cable bracket.
- Push the bracket inwards and pry up to release it.

Step 16 — Remove the display cable bracket



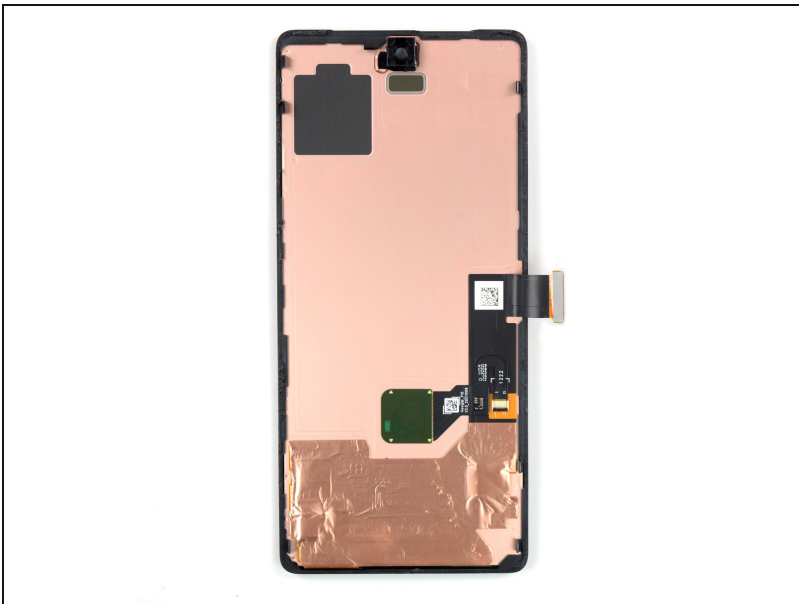
- Use a pair of tweezers to remove the display cable bracket by pulling it from underneath the midframe and in direction of the cameras.

Step 17 — Disconnect the display cable



- Use a spudger to disconnect the display flex cable by prying the connector straight up from its socket.
- ☑ To re-attach [press connectors](#) like this one, carefully align and press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is misaligned, the pins can bend, causing permanent damage.

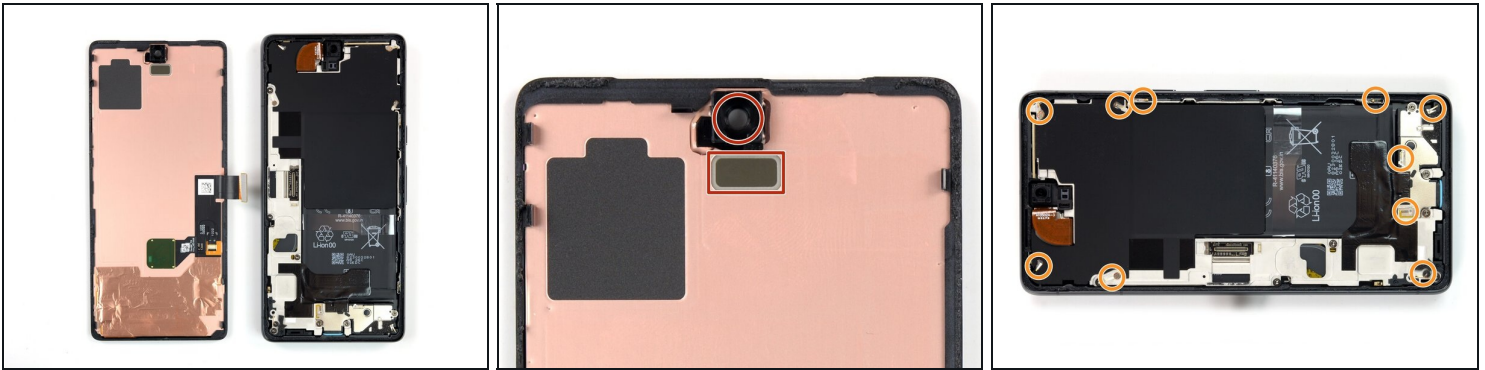
Step 18 — Screen information



⚠ 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 19 — Separate the screen from the phone assembly



- Remove the screen.

During reassembly:

- If you replaced your screen, check the front-facing camera hole and the sensor cutout on your replacement screen, and remove any remaining liners.
- **Check the frame for deformed grounding springs that stick straight up.** These spring contacts should rise at a shallow angle. Use your finger to gently bend any deformed springs downward.

Remember to reinstall the display cable bracket.

- This is a good point to test your phone before sealing it up. Temporarily connect your screen, power on your phone, and make sure it works as expected. Before continuing with reassembly, **power off your phone and disconnect the screen.**
- [Follow this guide](#) if you're using custom-cut adhesives for your device. Otherwise, [follow this guide](#) in case you're using a pre-cut adhesive card.
- If you're installing a new screen, follow [this guide](#) to calibrate the fingerprint sensor.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before you install it.

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

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 [Google Pixel 7 answers community](#) for help.