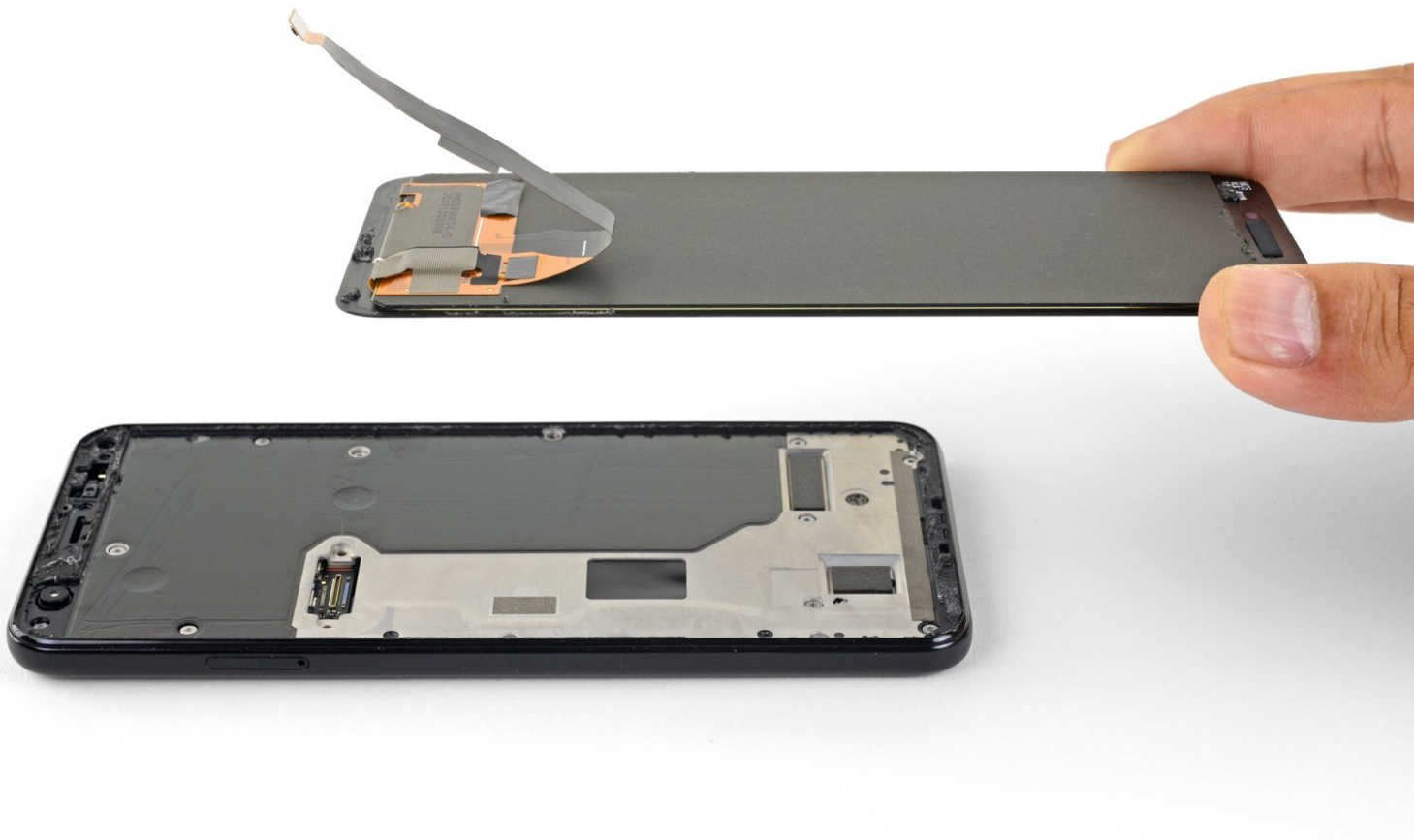




Google Pixel 3a Screen Replacement

Follow this guide to remove and replace a broken Pixel 3a screen.

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INTRODUCTION

Does your Pixel have a broken or cracked screen? Follow this guide to replace it!

The Pixel 3a's unreinforced display panel is fragile. If you are reusing the screen, be sure to pay special attention to the warnings in the opening procedure.



TOOLS:

- [iOpener](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [T3 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)



PARTS:

- [Google Pixel 3a Screen](#) (1)
- [Google Pixel 3a Display Adhesive](#) (1)

Step 1 — Screen



- Take note of the two seams on the phone:
 - *Screen seam*: This seam separates the screen from the rest of the phone. This is where you should pry.
 - *Frame seam*: This is where the plastic frame meets the back cover. It is held in place by screws. **Do not pry at this seam.**
- Before you begin prying, note the following areas on the screen:
 - *Screen flex cable*: Do not pry deeper than instructed, or you risk damaging this cable.
 - *Adhesive perimeter*: Prying beyond the narrow perimeter without angling the pick will damage the LCD.

Step 2



- [Heat an iOpener](#) and apply it to the right edge of the display for a minute.
- ⓘ You can choose to skip this step since the Pixel 3a's screen adhesive is not very strong. Heating it, however, will decrease the chance of cracking the screen.

Step 3



- Place a suction cup near the right edge of the screen.
- Pull on the suction cup with strong steady force.
- Insert the pick into the gap, **no more than 1 mm**.

Step 4



i This step shows how to insert the pick without damaging the LCD panel. Do this before you slice either long edges of the phone.

- With the pick 1 mm in the gap, pivot the pick upwards to a steep angle.
- At this angle, carefully push the pick into the gap about 1/4" (6 mm). The pick should slide in **below the OLED panel**.

⚠ Stop if you feel the point of the pick hitting a ridge. The pick may be pressing against the edge of the LCD panel. Angle the pick and try again.

Step 5



- Slide the pick along the right edge, slicing through the adhesive.

⚠ Do not insert the pick more than 1/4" (6 mm), or you may damage the screen's flex cable.

- Leave a pick in place to prevent the adhesive from resealing.

Step 6



- ❗ As you slice around the bottom edge of the phone, do not insert the pick more than 1/4" (6 mm).
 - Slide the pick around the bottom right corner to slice through the adhesive.
 - ❗ If the corner feels hard to slice, apply a heated iOpener to the corner for a minute and try again.
 - Continue slicing along the bottom edge of the phone and around the left corner.

Step 7



- Slice through the left edge of the phone, making sure to properly angle the pick below the LCD panel and insert it in no more than 1/4" (6 mm).
- To angle the pick below the LCD panel, insert the point of the pick no more than 1 mm in, angle the pick upwards, and then slowly push the pick in 1/4".

Step 8



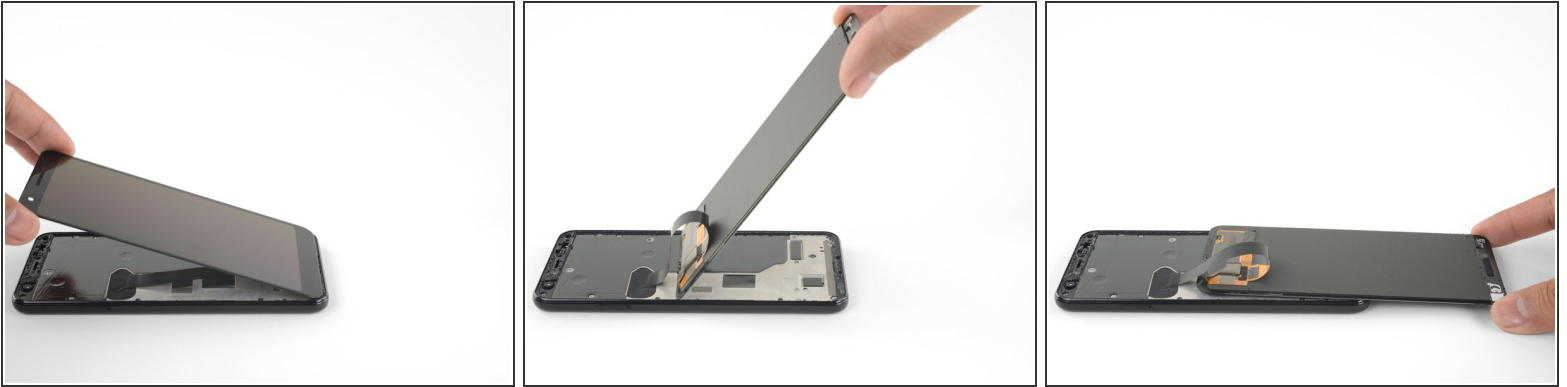
- Slice along the top edge while keeping the pick no more than 5/16" (8 mm) in.

Step 9



- With all of the edges cut, carefully hinge open the **right edge of the screen**.
- ⓘ Do not remove the screen. It is still attached to the phone by a flex cable near the left edge.
- Use an opening pick to carefully cut through any remaining adhesive.

Step 10



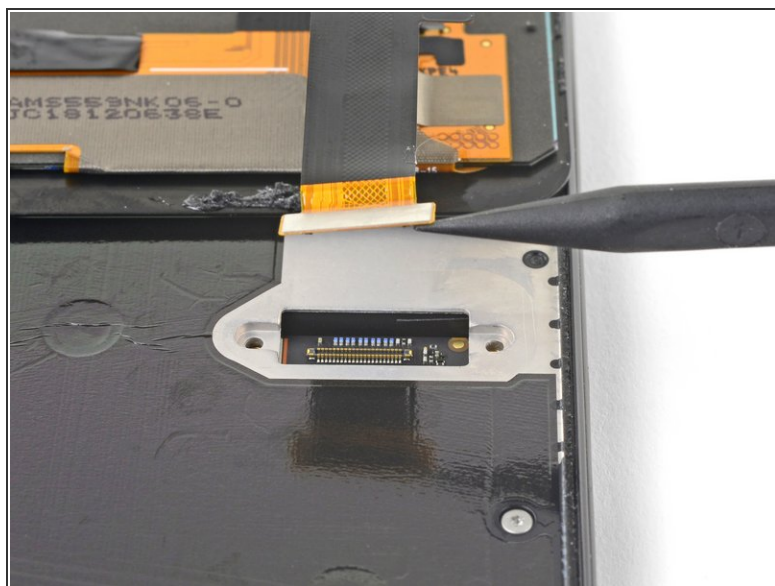
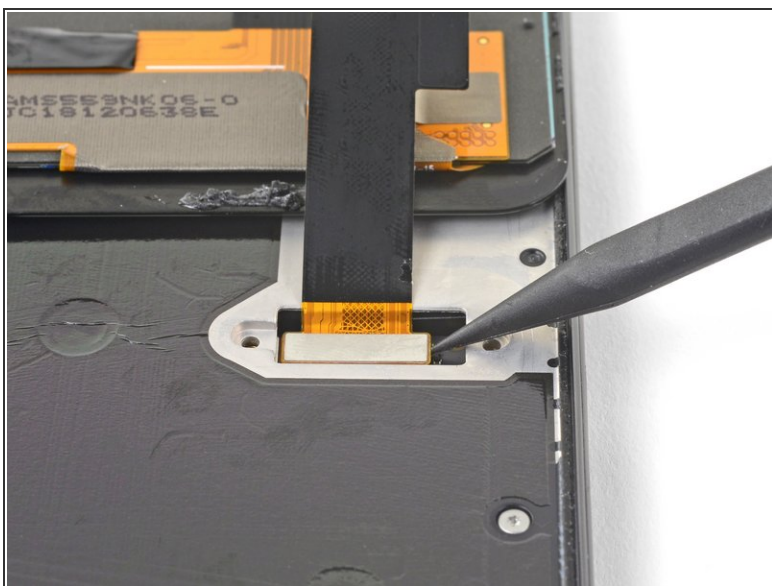
- With all of the adhesives cut, flip the attached screen glass side down and rest it on top of the phone. The screen flex cable should be loosely arched.

Step 11



- Carefully peel the black tape covering the screen connector bracket.
 - ☑ If it is in good condition, you can re-use this tape during reassembly. Otherwise, replace it with a piece of electrical tape.
- Remove the two 4.4 mm long T3 screws securing the screen connector bracket.
- Remove the screen connector bracket.


Step 12



- Use the point of a spudger to pry up and disconnect the screen flex cable.
 - ⓘ When you disconnect connectors like these, be careful not to dislodge the small surface-mounted components surrounding the 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 13



- Remove the screen.
 - Carefully compare your replacement screen with your original part. You may need to transfer additional components (such as the speaker mesh) to the new part.
-  To reinstall the screen:
- [Follow this guide](#) if you are using custom-cut adhesives.
 - If you are using double-sided tape such as Tesa tape, [follow this guide](#).

If your Pixel won't turn on after replacing the screen, there is a chance that the phone has silently turned on when the battery is re-connected. Hold the power button for a few seconds until the phone vibrates off. Afterwards, re-connect the screen, and try again.

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

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

Repair didn't go as planned? Check out our [Google Pixel 3a Answers community](#) for troubleshooting help.