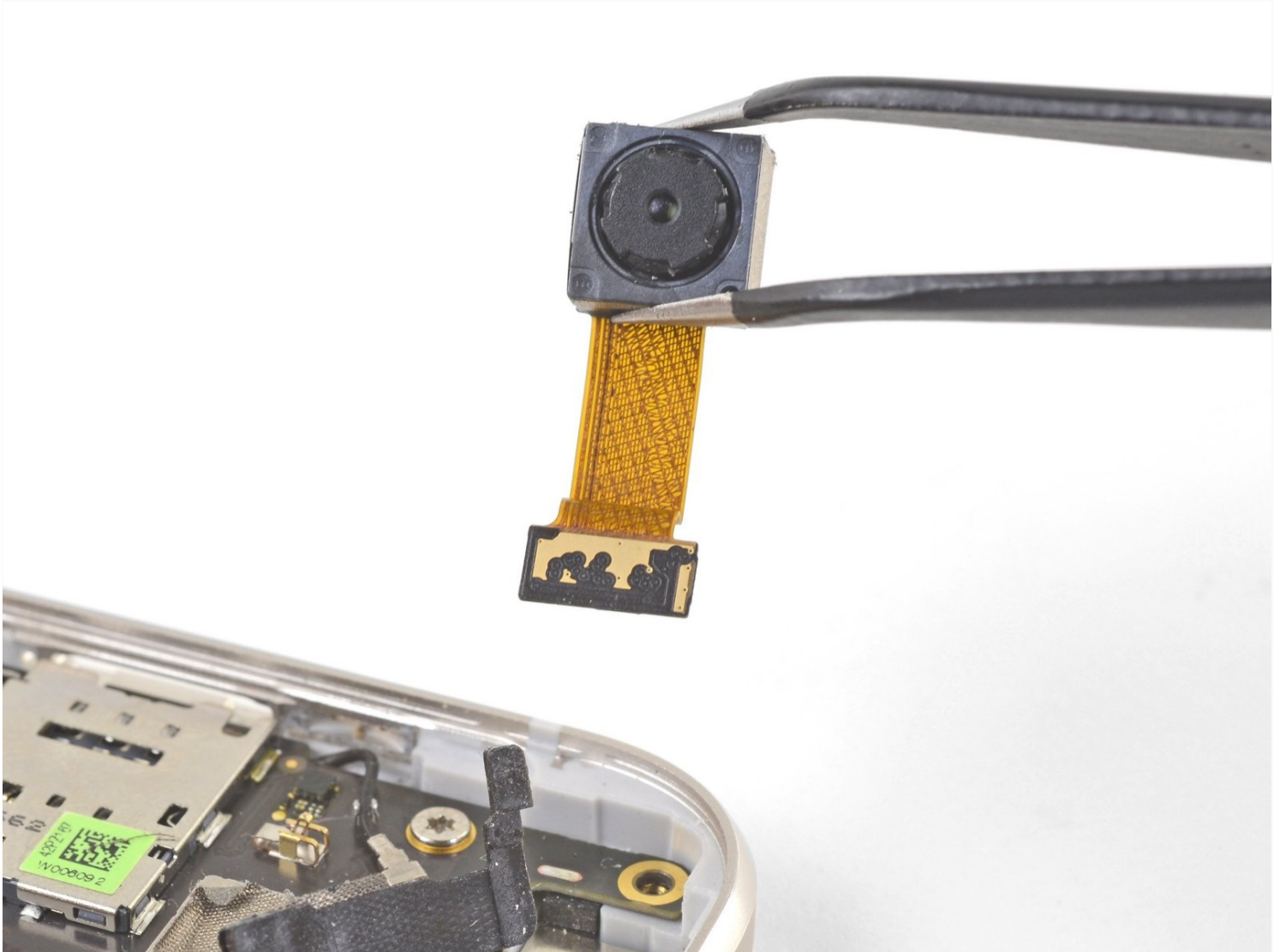# Google Pixel XL Front Facing Camera Replacement

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](here).

Follow this guide to replace the front facing camera module for the Google Pixel XL.

**The Pixel XL's unreinforced display panel is fragile** and is attached to the frame with strong adhesive, making repairs difficult. There is a considerable chance of breaking the display, especially if it already has micro-fractures. Be sure to apply plenty of heat and be extremely careful during the prying stage.

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### 🔧 TOOLS:

[iOpener](#) (1)
[iFixit Opening Picks (Set of 6)](#) (1)
[Suction Handle](#) (1)
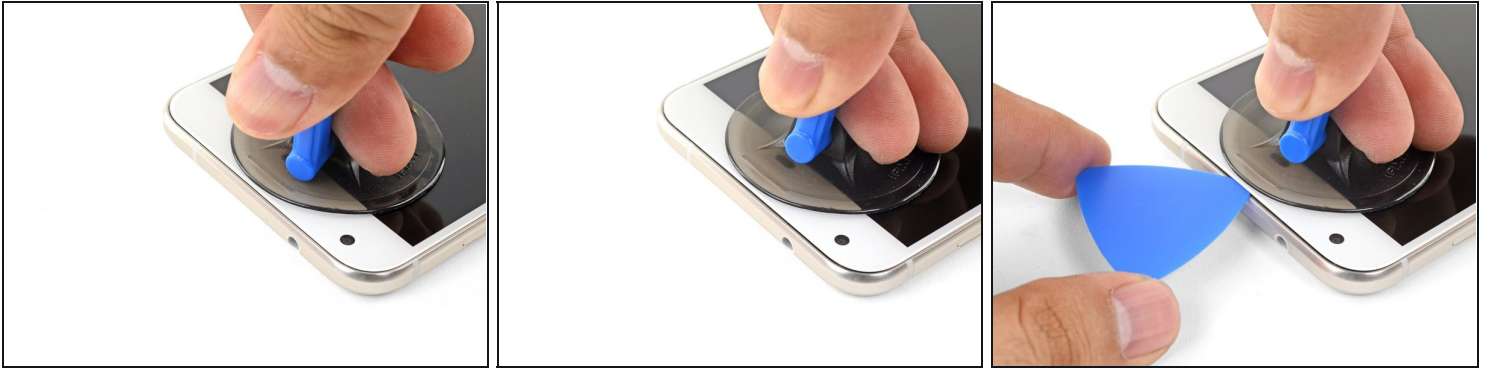[T5 Torx Screwdriver](#) (1)
[Tweezers](#) (1)
[Spudger](#) (1)

### ⚙ PARTS:

[Google Pixel XL Display Adhesive](#) (1)
[Google Pixel XL Front Camera](#) (1)

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## Step 1 — Display Assembly



- [Heat an iOpener](#) and apply it to the **top edge** of the display 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 both susceptible to heat damage.

- Take note of the following regions before you begin prying:
  - 🔴 Thin adhesive lined against the display panel

  - 🟠 Thick adhesive

  - 🟡 The OLED display panel, which is very prone to damage

  - 🟢 The display cable, which can be damaged during prying

**Step 2**



- Once the edge is warm to the touch, apply a suction cup close to the edge.

- Lift on the suction cup, and insert an opening pick into the gap.

⚠ Do not insert the pick more than 13 mm (0.5 inches), or you will damage the display assembly.

- If you have trouble creating a gap, reheat the edge and try again.

ⓘ You can also try to use a playing card instead of an opening pick to help make the initial entry.

## Step 3


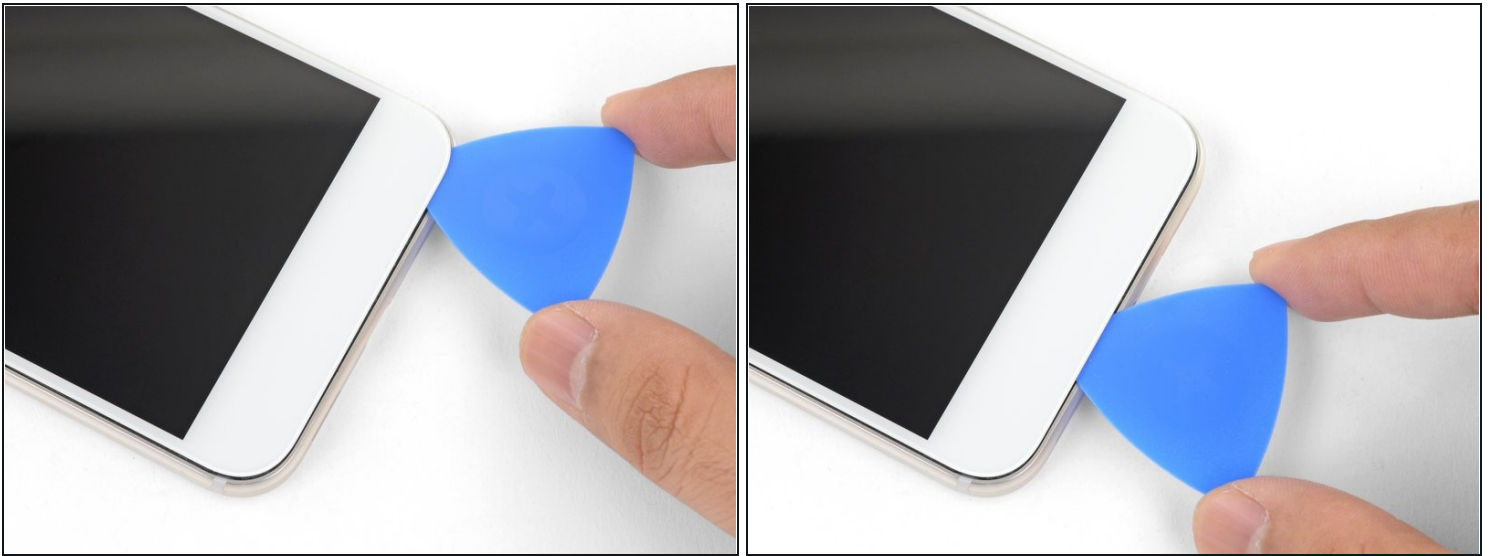
- Slide the opening clip across the top edge to slice through the adhesive.
  ⚠ Be sure not to cut deeper than 13 mm (0.5 inches) or you will damage the display.

  ⚠ There's a mesh covering the earpiece speaker on the top edge of the screen. If you don't have a replacement mesh, take care not to damage or lose this component.

- Leave an opening pick in the edge to prevent the adhesive from resealing.

## Step 4



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

- Insert an opening pick near the top edge of the phone, where you have already sliced the adhesive.

- Slowly guide the pick around the right corner.

- Carefully slide the pick down the right edge of the phone to slice through the adhesive.
  ⚠ **Do not insert the pick more than 1 mm (1/32") along the edge, or you will damage the display assembly.**

- Repeat the step for the left edge of the phone.

## Step 5



- Heat the bottom edge with an iOpener for two minutes.

- Insert a pick near the right edge where you have already loosened the adhesive.

- Carefully guide the pick around the corner.

- Slide the pick along the bottom edge to slice through the adhesive.
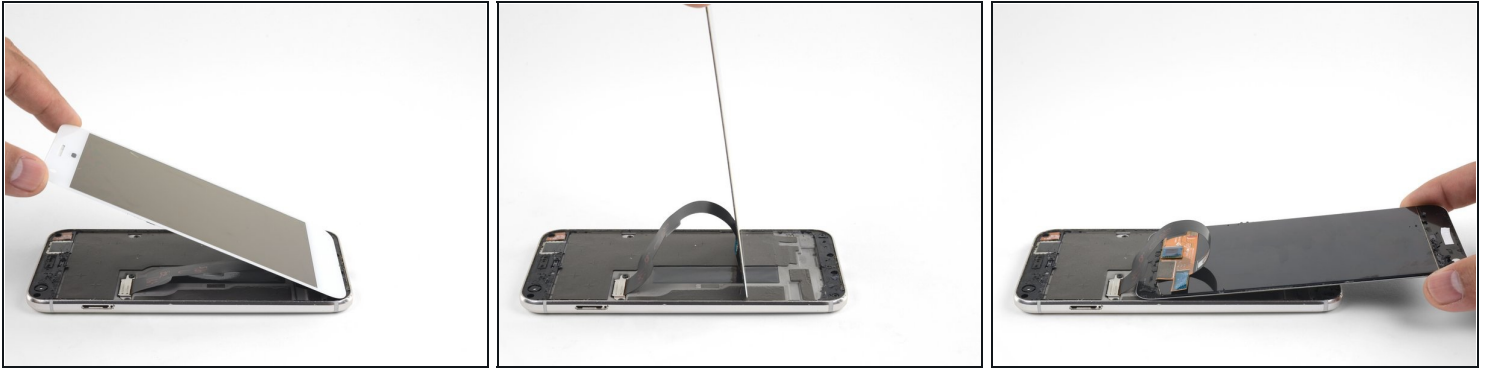  ⚠ Do not slice deeper than 8.5 mm (1/3") or you will damage the display cable.

## Step 6



- Once you have sliced around the perimeter of the phone, carefully lift the display assembly up slightly by the right corners.

⚠ Do not attempt to remove the display assembly. It is still attached by a flex cable.

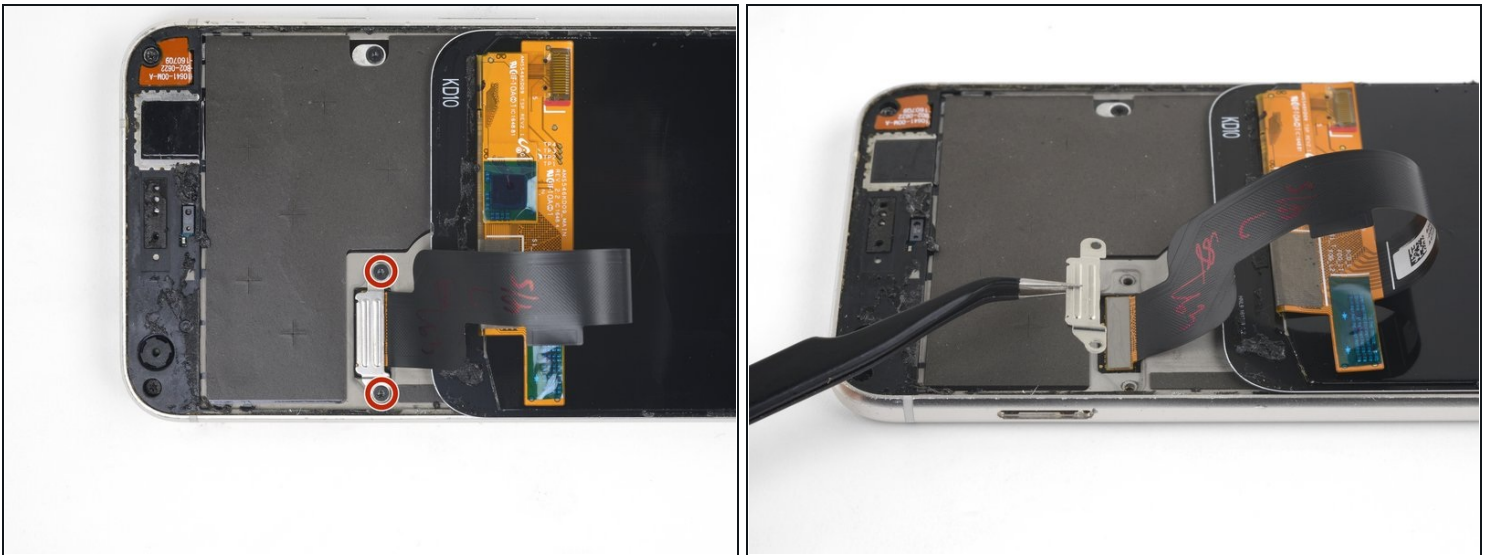- Use an opening pick to slice through any remaining adhesive.

## Step 7



- Lift the display assembly from the top end and swing it around such that it rests upside down on the frame.

⚠️ Be careful not to strain the flex cable when you swing the assembly around.

## Step 8



- Remove the two 4 mm T5 screws securing the display cable bracket.

ⓘ Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from.

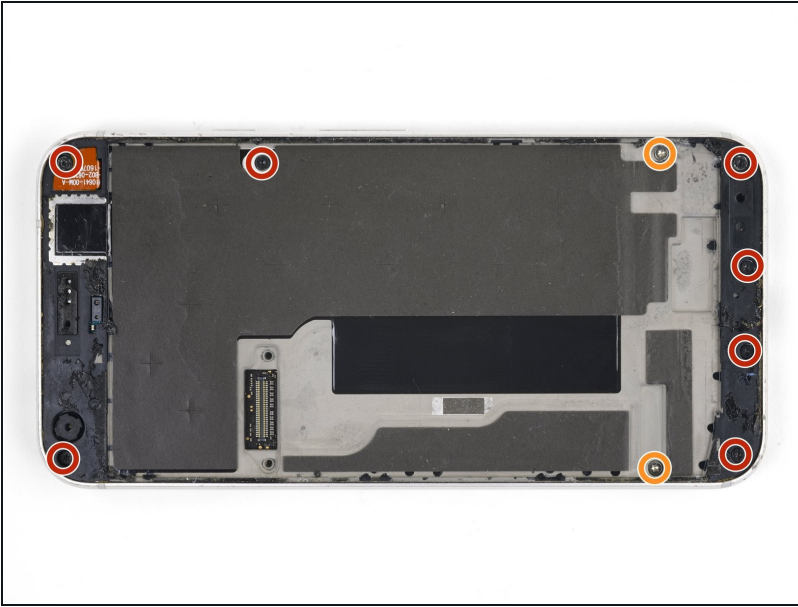- Remove the display cable bracket.

## Step 9



- Use the point of a spudger to pry up and disconnect the display cable from its connector.

- ⓘ 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.
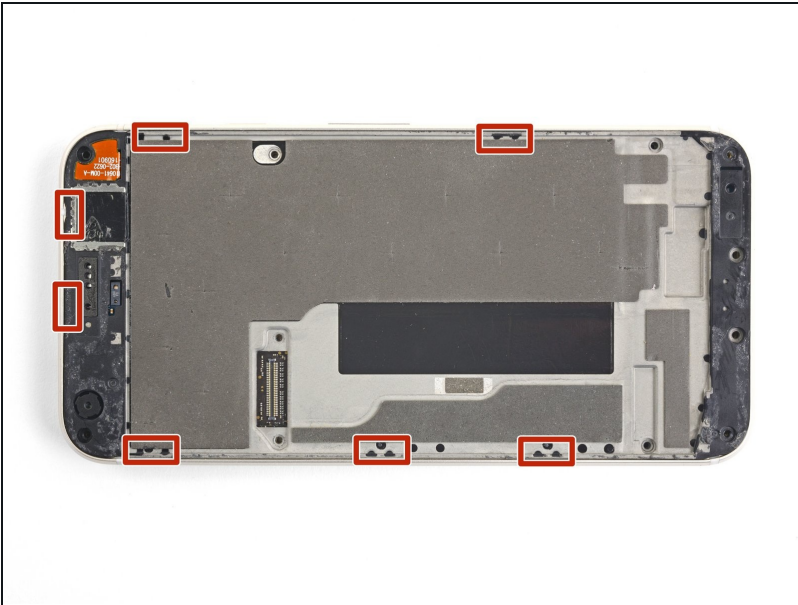
## Step 10



- Remove the display assembly.

- ⊡ **For comprehensive instructions on how to reinstall the Pixel XL display, [follow this guide](#).**

- ⊡ If your replacement display did not come with a speaker grille, use [tweezers](#) to [gently peel the adhesive grille](#) from your old display, and transfer it to the replacement.

- ⊡ Before installing a new display, be sure to remove all traces of adhesive from the frame. Use a spudger or an opening tool to scrape it off, and use high-concentration isopropyl alcohol to remove any residue.

- ⊡ If you are reinstalling the same display assembly, be sure to remove all adhesive residue from the panel and the frame before applying new adhesive.

- ⊡ Be sure to turn on your phone and test your repair before installing new adhesive and resealing the phone.

- ⊡ During the boot-up process after reassembly, the screen will go through a calibration sequence. Do not touch the screen during this process, as it could result in improper touch calibration and create touch issues.

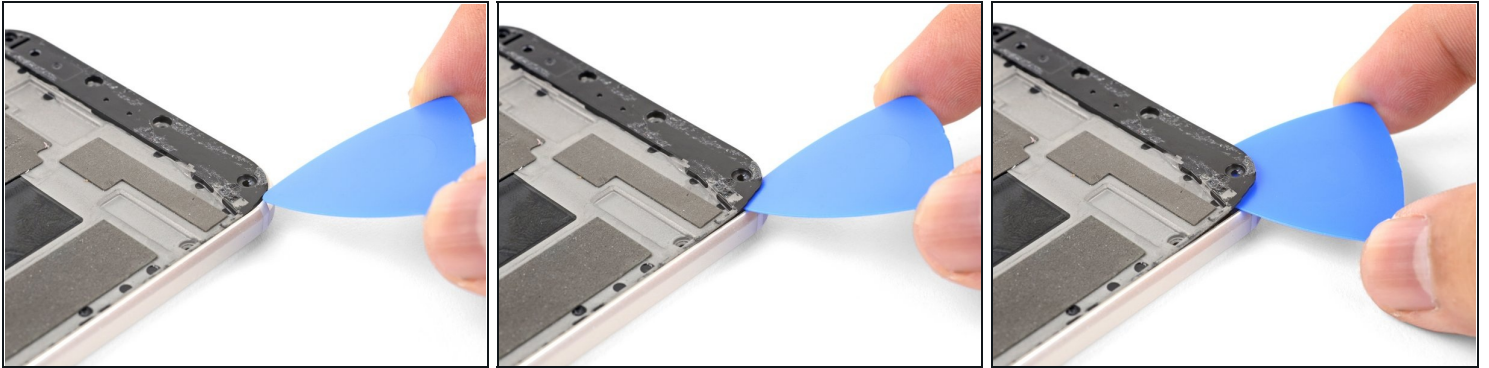## Step 11 — Google Pixel XL Opening Procedure



- Remove the following screws that secure the midframe to the back:
  - Seven black 4 mm T5 screws
  - Two silver 3 mm T5 screws

## Step 12



- The midframe is held tightly in place by plastic clips which push into the edge of the back case.
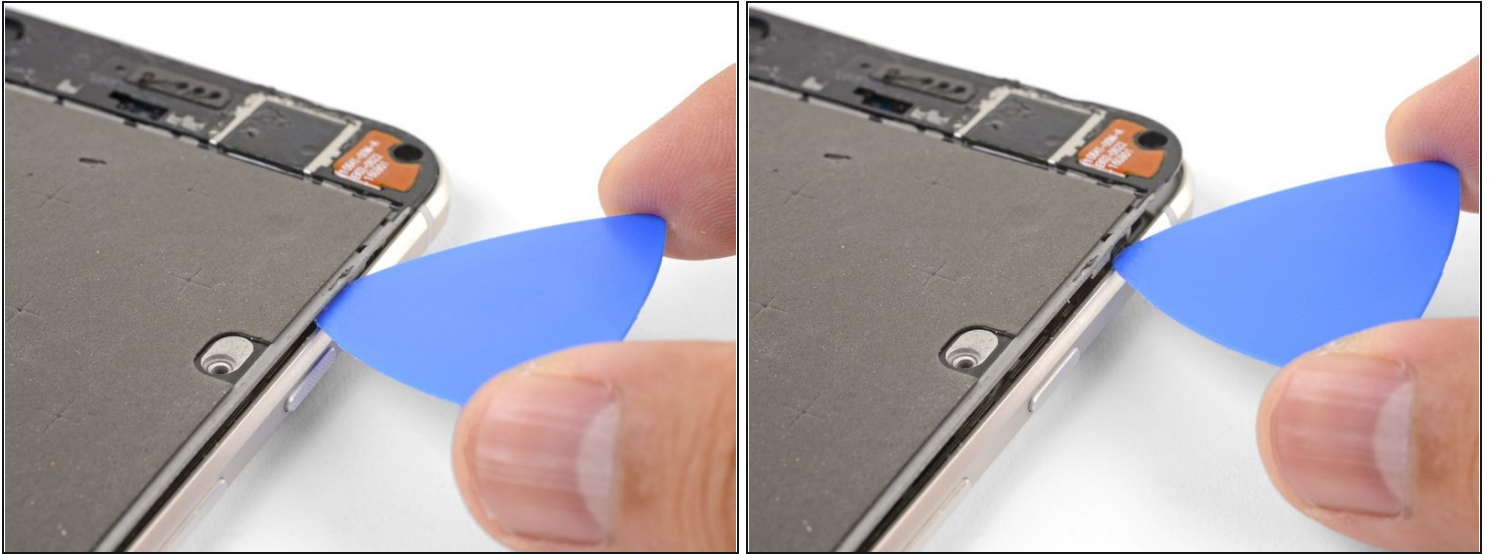
## Step 13



- Find the small notch in the bottom left corner of the frame and insert an opening pick.

- Slide the opening pick along the bottom edge of the phone towards the bottom right corner and leave it there.
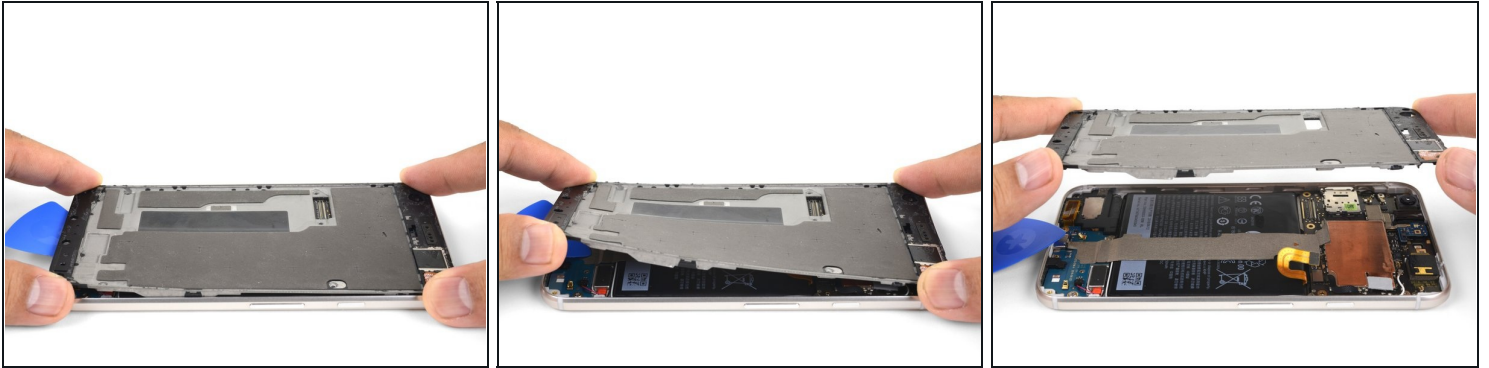
## Step 14



- Insert a separate opening pick into the right edge of the phone, near the bottom.

- Slowly push the pick upwards along the seam until the first clip pops free.
  - ⓘ Due to the tight tolerances, this may be difficult, requiring a substantial amount of force. If you are having trouble, try inserting and sliding a playing card.

- Once you've released the clip, leave the opening pick in place to prevent the midframe from resealing.
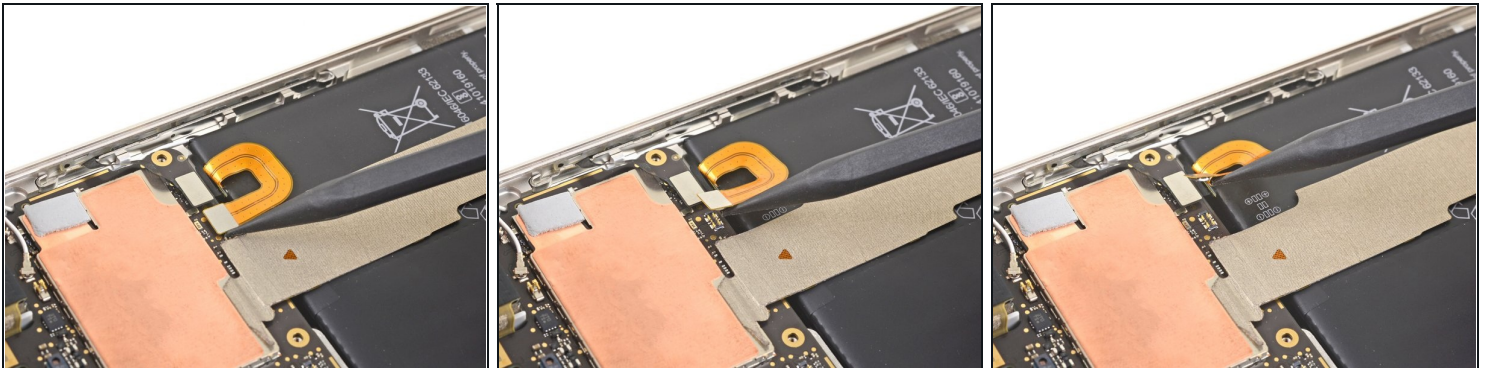
## Step 15



- Insert an opening pick into the right edge of the phone and slide it upwards towards the top right clip.
  - ⓘ You do not need to insert the pick more than 2 mm into the edge. If you insert the pick all the way in, you may risk damaging flex cables.

- Slowly slide the pick past the clip to disengage it from the frame.
  - ⓘ At this point, the right edge of the midframe should be free from the case. If it isn't, slide an opening clip up and down along the right edge.
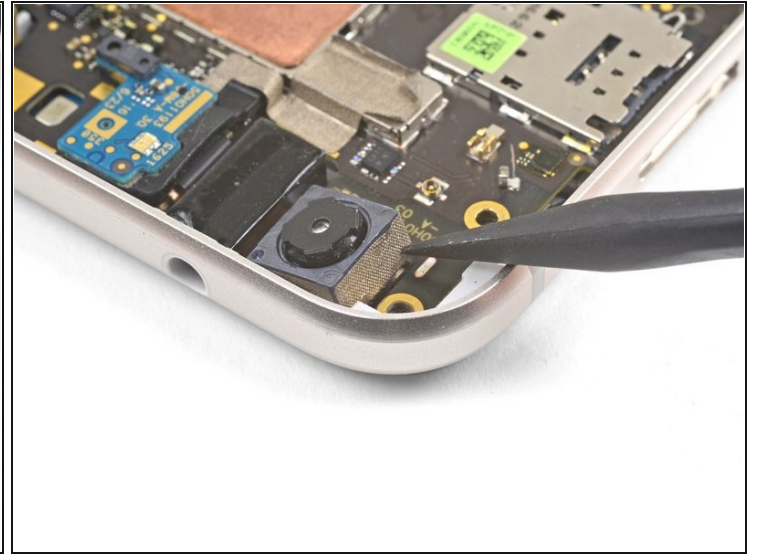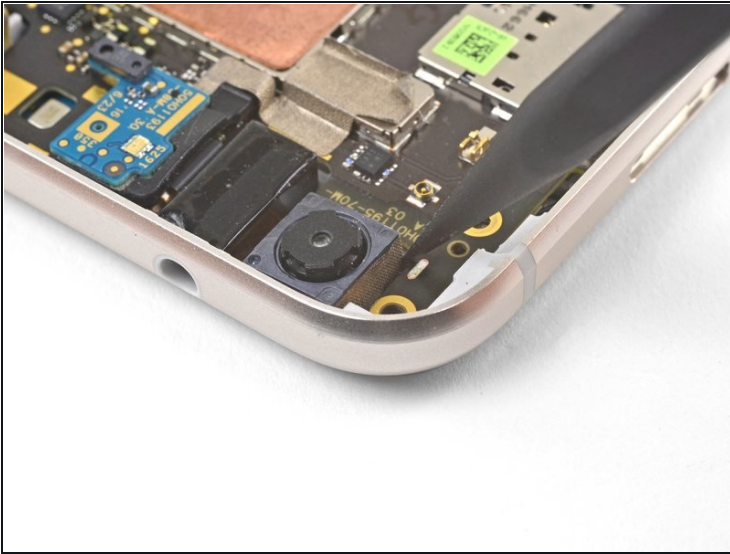
## Step 16



- Grasp the right edge of the midframe by the corners and slowly hinge the edge up.

- When the left edge feels loose, stop hinging and lift the midframe upwards.

- Remove the midframe.

- ⬚ To reinstall the midframe, align it to the case, then [squeeze around the perimeter](#) until all the clips snap back into position. When properly done, the midframe should lie flat.
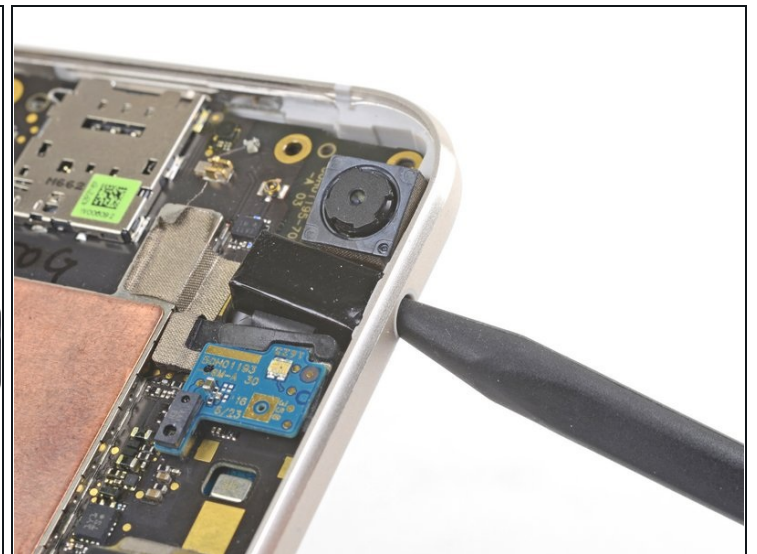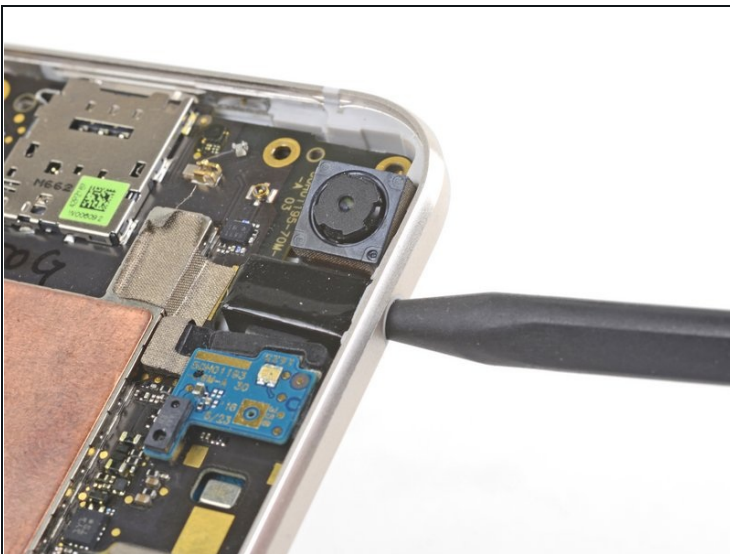
## Step 17 — Front Facing Camera



- Use the point of a spudger to pry up and disconnect the battery connector.

- Bend the battery flex cable slightly so that it will not accidentally touch the motherboard.
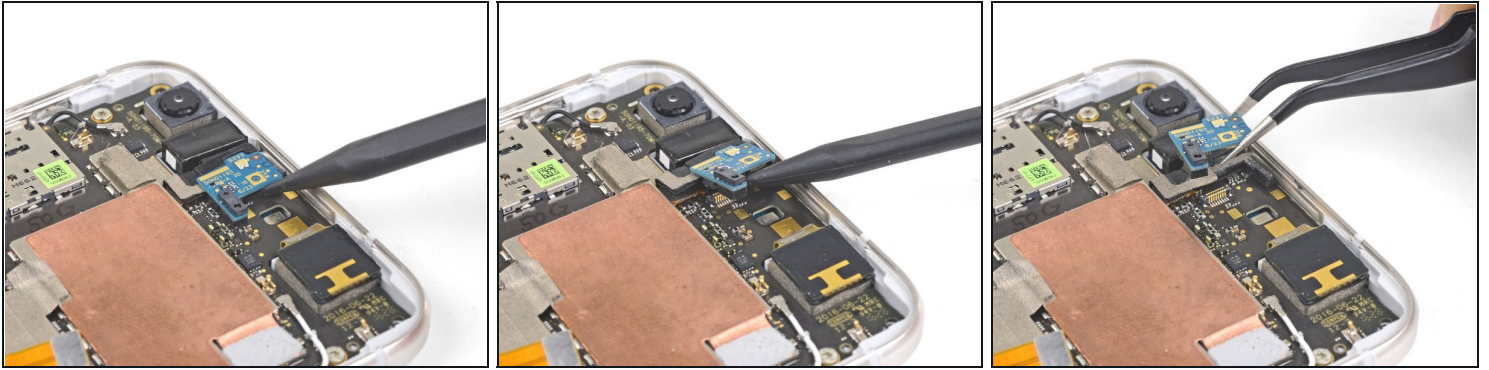
## Step 18



- Use the point of a spudger to pry up and loosen the front facing camera module. from its socket.
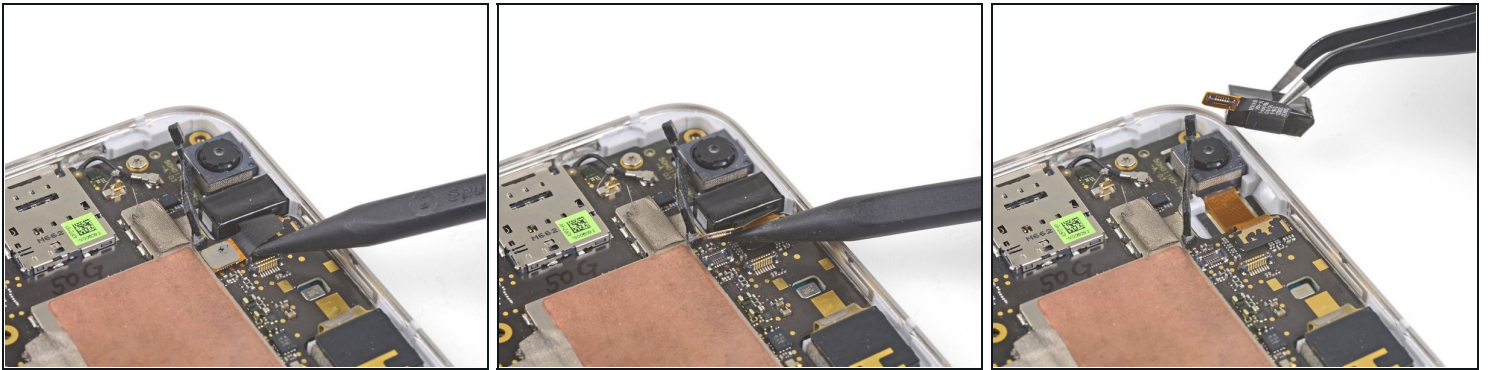
## Step 19



- Insert the point of a spudger into the headphone jack port and pry upwards to loosen the port from its socket.
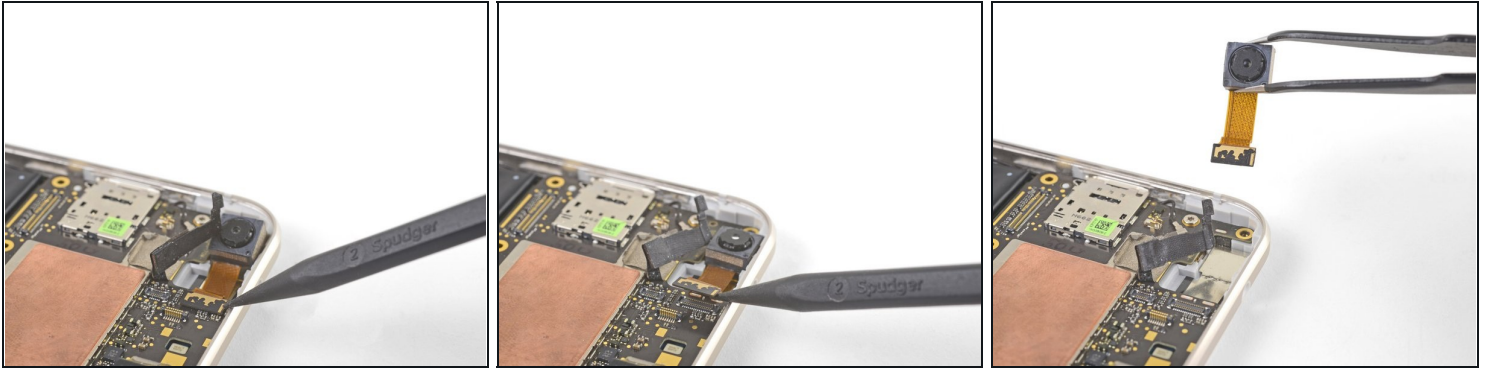
## Step 20



- Carefully slide the point of a spudger under the proximity sensor board and pry up to disconnect it.

  ⚠️ Be careful not to push the spudger against any of the tiny surface mount components.

- Remove the proximity sensor board.

## Step 21



- Carefully slide the point of a spudger underneath the headphone jack connector and pry up to disconnect it.

  ⚠️ Be careful not to push and dislodge any of the tiny surface mount components.

- Remove the headphone jack module.

## Step 22



- Use the point of a spudger to pry up and disconnect the front facing camera connector.

- Remove the front facing camera module.

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

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