



# Nexus 5X LCD Screen & Digitizer Replacement

LCD screen & digitizer replacement guide for your Nexus 5X mobile device.

Written By: Richard Suovanen



## INTRODUCTION

This Nexus 5X replacement guide will show you how to replace only the LCD screen and digitizer on your Nexus 5X mobile device—**not the [screen assembly](#)**. If your replacement part includes the plastic frame, you will need to transfer additional parts (*LED, vibration motor, ear speaker, headphone jack, power/volume buttons, and proximity sensor gaskets*) to your new frame assembly. Be sure to read through the steps and comments carefully before you begin your replacement.

If your glass screen (digitizer) is cracked, damaged, or unresponsive to touch, this guide will help you replace the damaged glass screen and restore functionality to your device.

If your display has dead pixels, displays distorted or blurry images, or fails to display anything at all, this guide will help you replace the damaged LCD.

Adhesive strength and device condition may vary; please exercise caution when removing components from your device.

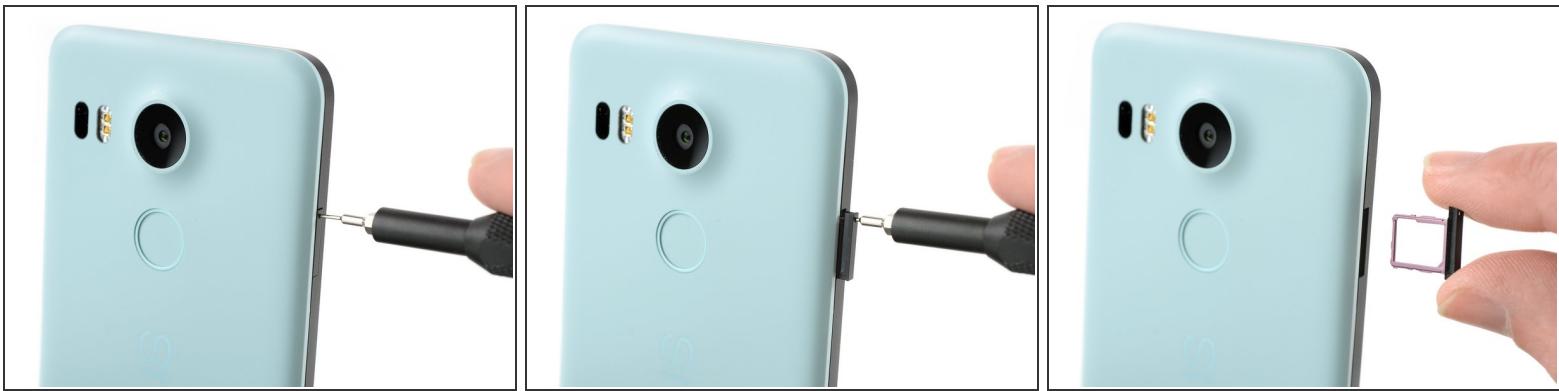
### [TOOLS:](#)

- [iFixit Opening Tools](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Heat Gun](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Electrical Shielding Tape](#) (1)
- [Spudger](#) (1)

### [PARTS:](#)

- [Nexus 5X Display Adhesive](#) (1)

## Step 1 — SIM Card Tray



- Insert a SIM card ejection tool into the hole on the SIM card tray, located on the left edge of the phone.
- Press in to eject the SIM card tray.
- Remove the SIM card tray.

## Step 2 — Rear Panel



- Place an opening pick in the opening of the SIM card tray slot and twist it sideways to release the first plastic clip that holds the rear panel in its place.
- Slide the opening pick around the top edge of the phone to release the plastic clips that secure the rear panel.

## Step 3



- Continue to slide the opening pick around all sides of the phone to release all clips that secure the rear panel.

## Step 4



- Tilt the opening pick to lift the rear panel a little bit.
- There are two more plastic clips next to the fingerprint sensor. Release them by gently pulling the rear panel.
- Remove the rear panel.

## Step 5 — Midframe



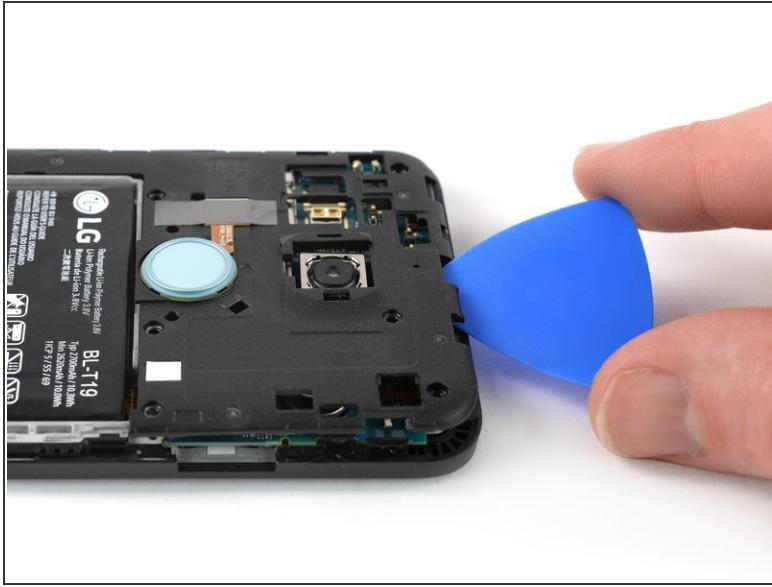
- Remove the ten 3.6 mm Phillips screws that secure the midframe.

## Step 6



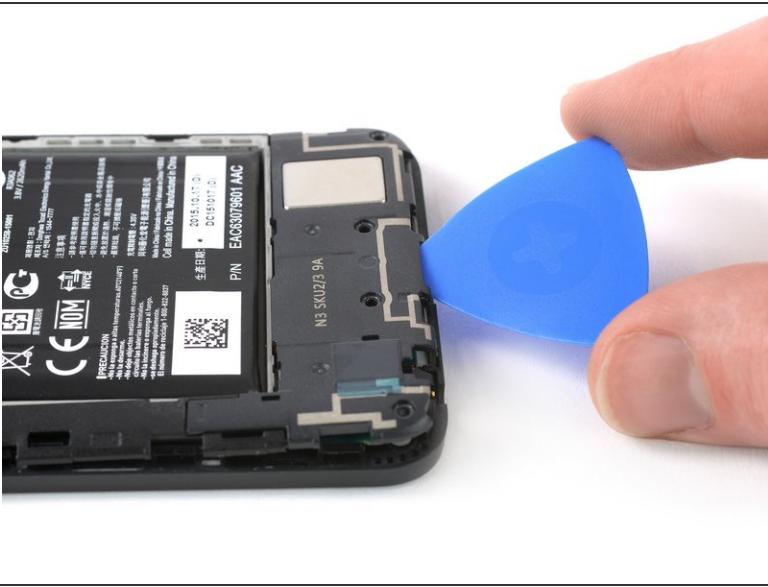
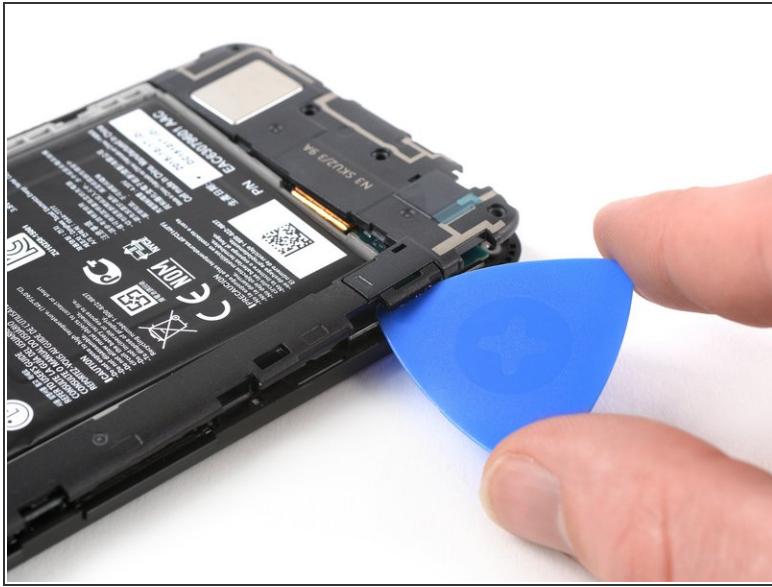
- Insert an opening pick into the SIM card tray slot and twist the opening pick sideways to release the plastic clips.

## Step 7



- Continue sliding the opening pick around the upper part of the midframe to release the plastic clips.

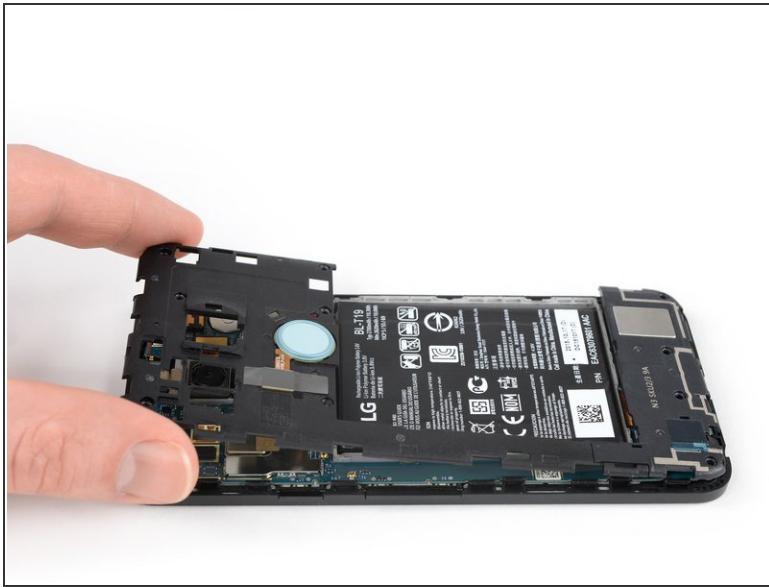
## Step 8



- Use the plastic pick to pry open the plastic clips on the long edge of the midframe and on the bottom edge.

**⚠** Make sure the clips on the long edge are released. The midframe is prone to break here if they are not disconnected properly.

## Step 9



- Make sure all the clips are free.
- Carefully remove the midframe.

## Step 10 — Battery Disconnect



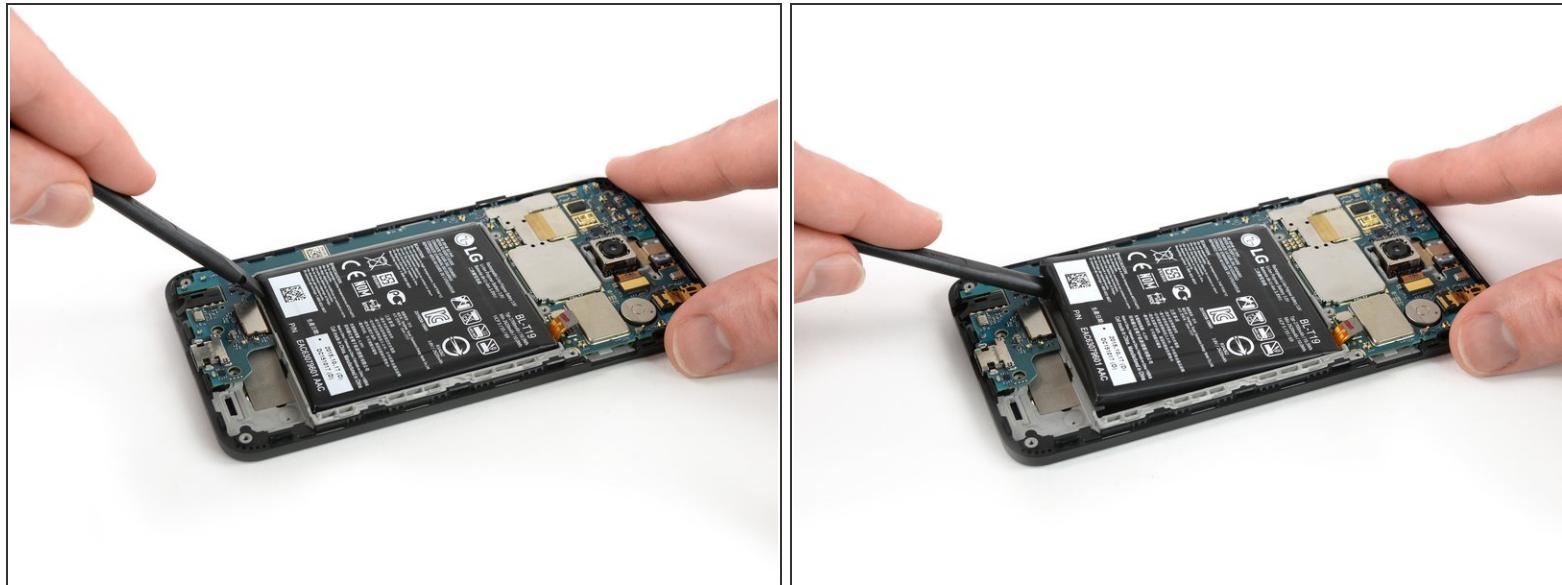
- Use the edge of a spudger to pry up and disconnect the battery flex cable located at the bottom right of the motherboard.

## Step 11 — Battery



- [Use an iOpener](#) to loosen the adhesive beneath the battery. Apply the iOpener on the back of the phone for at least two minutes.

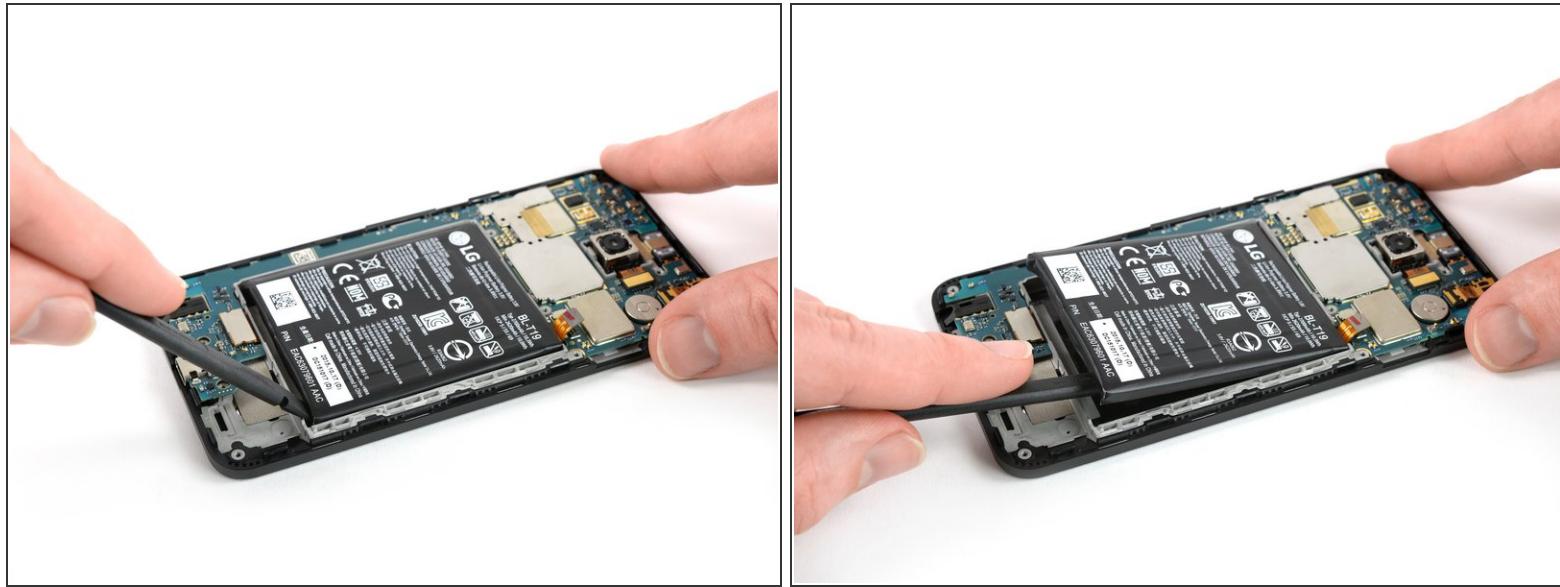
## Step 12



**⚠** Try your best not to deform the battery during the following removal process. Soft-shell lithium-ion batteries can leak dangerous chemicals, catch fire, or even explode if damaged. Do not use excessive force or pry at the battery with metal tools.

- Insert the flat end of a spudger under the bottom left corner of the battery and gently pry upwards.
  - (i)** The adhesive is only located beneath the edges of the battery so there's no need to pry beneath its center.
- If you are having trouble prying up the battery, the adhesive may not be loose enough. You can apply some isopropyl alcohol under each corner of the battery and allow it to penetrate for several minutes to help weaken the adhesive.

## Step 13



- Insert the flat end of a spudger under the bottom right corner of the battery and gently pry upwards to loosen the remaining adhesive.

## Step 14



- Remove the battery.

**⚠** Do not reuse the battery after it has been removed, as doing so is a potential safety hazard. Replace it with a new battery.

**📌** Before installing a new battery remove any remaining adhesive from the phone, and clean the glued areas with isopropyl alcohol and a lint-free cloth.

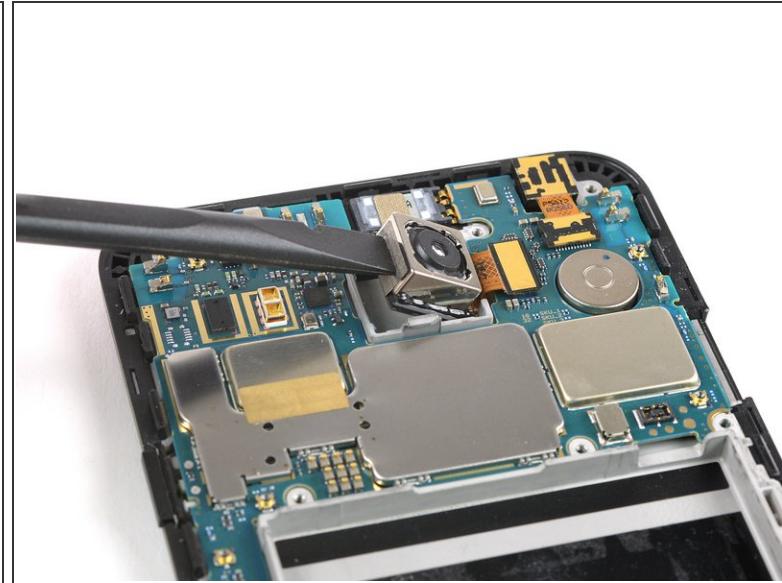
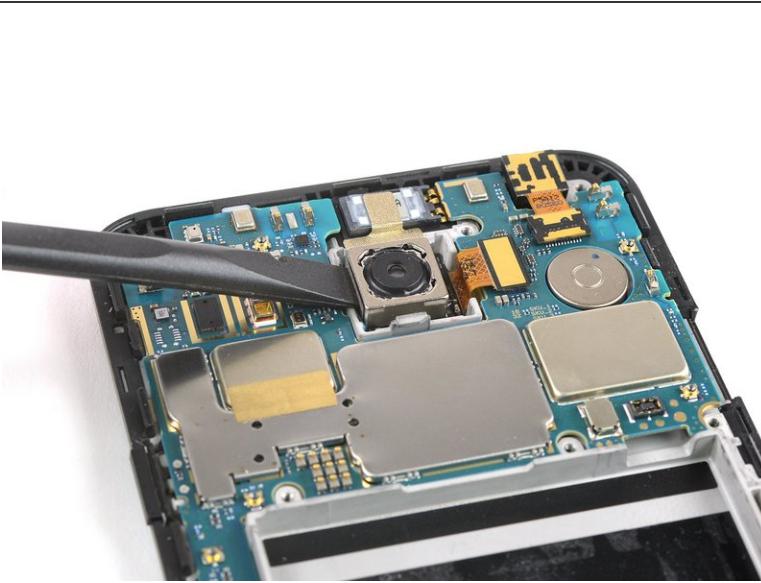
**📌** Secure the new battery with pre-cut adhesive or double-sided adhesive tape. In order to position it correctly, apply the new adhesive into the phone at the places where the old adhesive was located, not directly onto the battery. Press the new battery firmly into place for 5-10 seconds.

## Step 15 — Motherboard Assembly



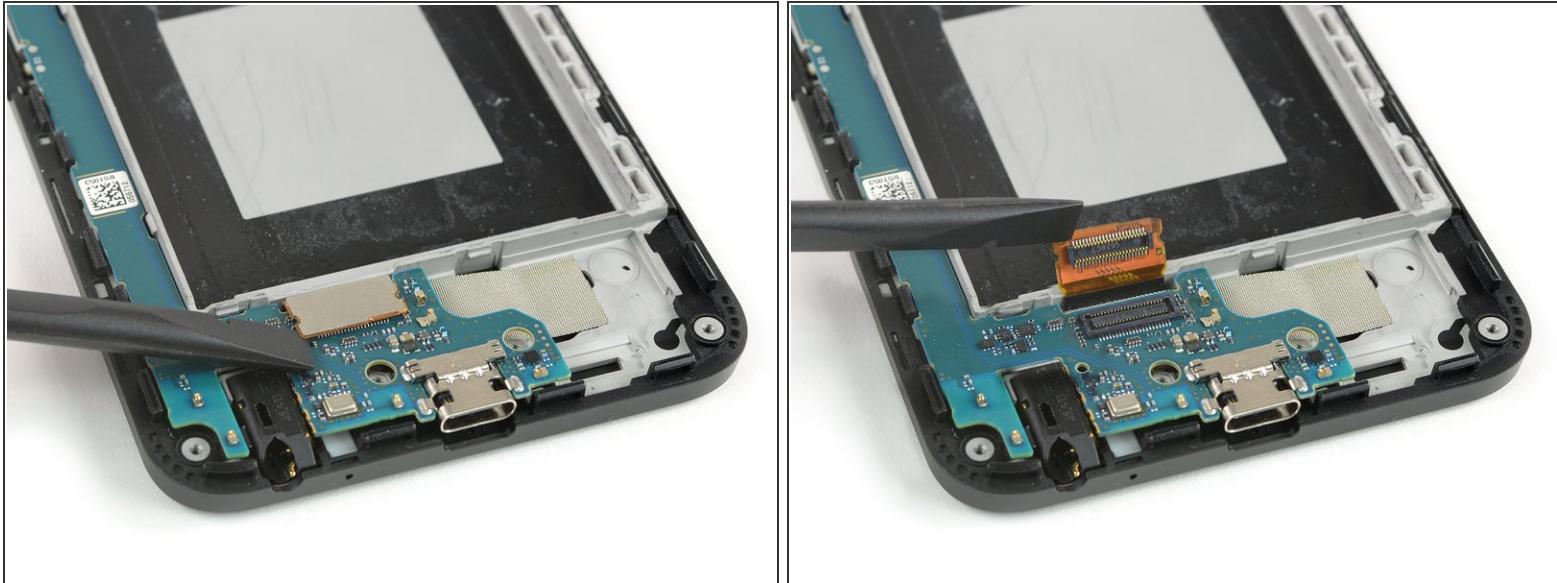
- Use an [iOpener](#) to loosen the adhesive beneath the rear facing camera. Place the iOpener across the top part of the phone for about 30 seconds.

## Step 16



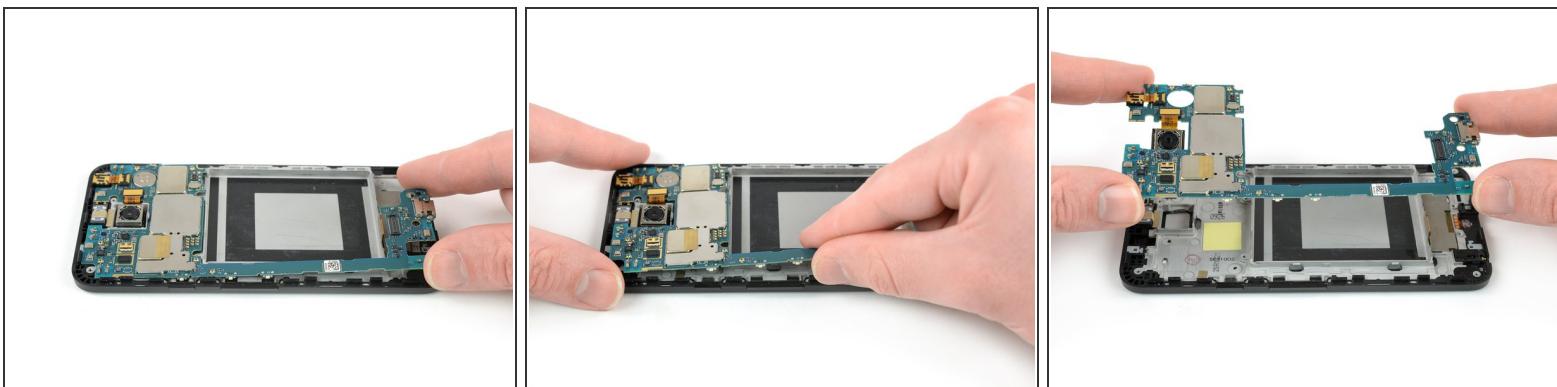
- Apply the flat end of a spudger to the left side of the rear facing camera and carefully lever it up. Make sure all of the adhesive underneath is loosened.

## Step 17



- Use the flat end of a spudger to pry up the display flex connector.

## Step 18



- Grip the lower part of the motherboard with your fingers and carefully lift it upwards.

**⚠** There's a small plastic clip next to the rear-facing camera that holds the motherboard in place.

- Gently pull the motherboard towards the bottom edge to free it from the plastic clip next to the rear-facing camera.
- Carefully lift the motherboard out of the frame.

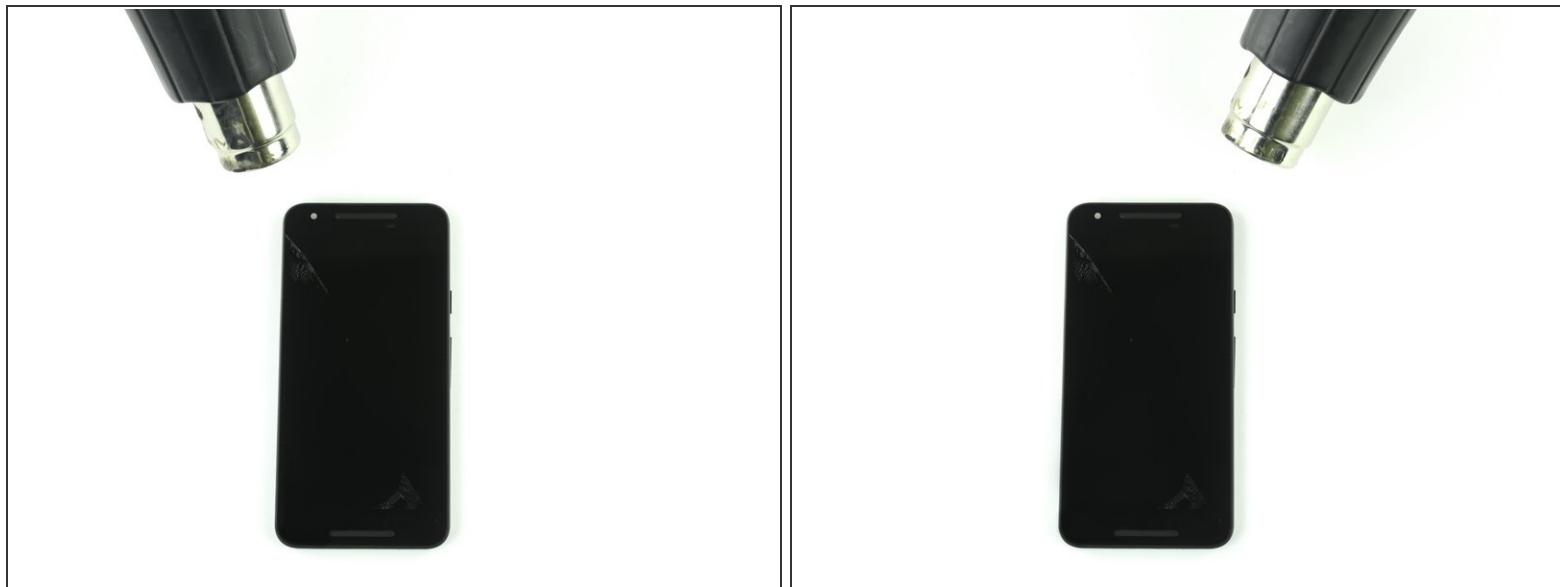
**⚠** Be careful—the two cameras are still connected to the board.

## Step 19 — LCD Screen & Digitizer



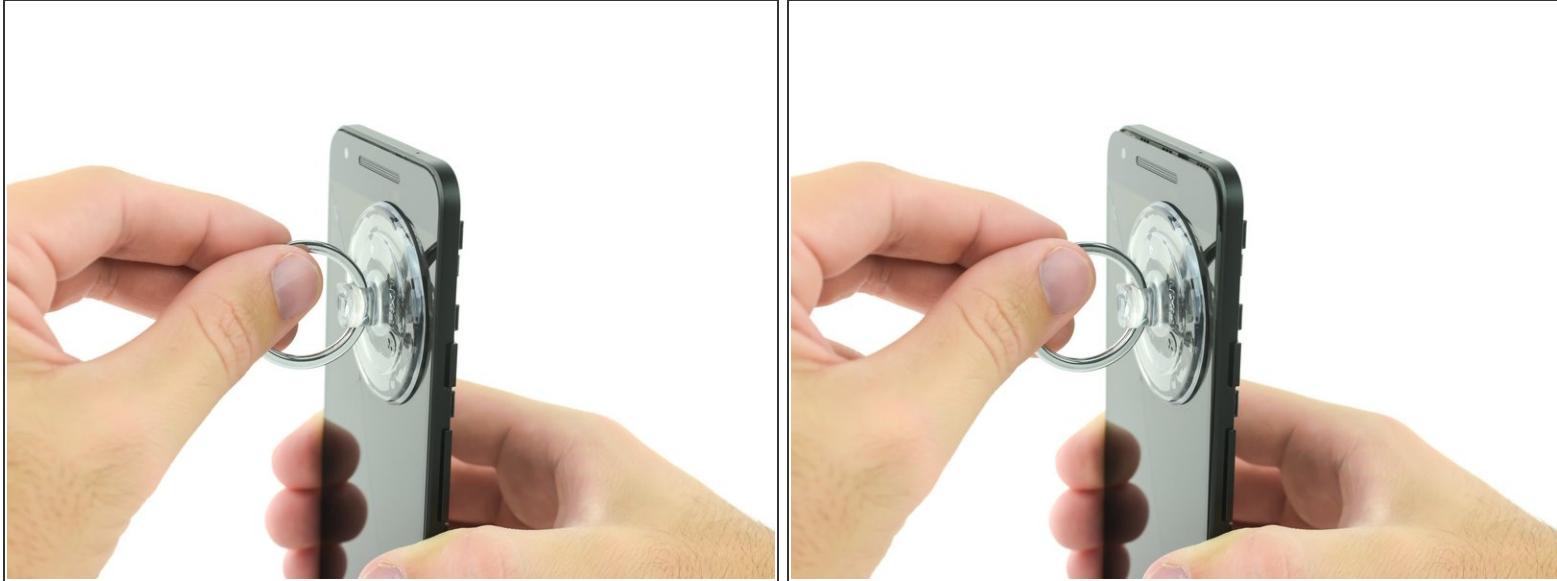
- Use an [iOpener](#) or a heat gun over the digitizer ribbon cable to soften the adhesive that secures it to the plastic housing.
  -  The Nexus 5X pictured here does not have a layer of shielding tape over the digitizer panel. If this tape is present on your device, simply peel it away from the plastic frame to free the digitizer panel.
  -  You'll need to transfer or replace this strip of shielding tape when you install your new screen.
- Gently wedge the flat end of a spudger into the gap between the battery housing and the digitizer ribbon cable, or use your fingers to gently pull the digitizer ribbon cable free.

## Step 20



- Use an [iOpener](#) or a [heat gun](#) to soften the adhesive underneath the edges of the screen.
- In case you're using a heat gun hold it approximately 8 inches from your screen, and apply heat along the edges in a gentle back-and-forth motion for roughly 2 minutes.

## Step 21



- Use a suction cup and firmly pull the screen away from the frame to create a small gap.
- This should not require excessive force. Apply additional heat as needed to soften the screen adhesive.

## Step 22



- Insert a [plastic opening pick](#) into the gap between the screen and the plastic housing.
- Slide the plastic opening pick along the border of the screen to free the screen from any remaining adhesive.

## Step 23



- Remove the [LCD screen & digitizer assembly](#).

 Gently feed the digitizer ribbon cable through the frame.

 Transfer your earpiece and speaker mesh to your new screen.

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