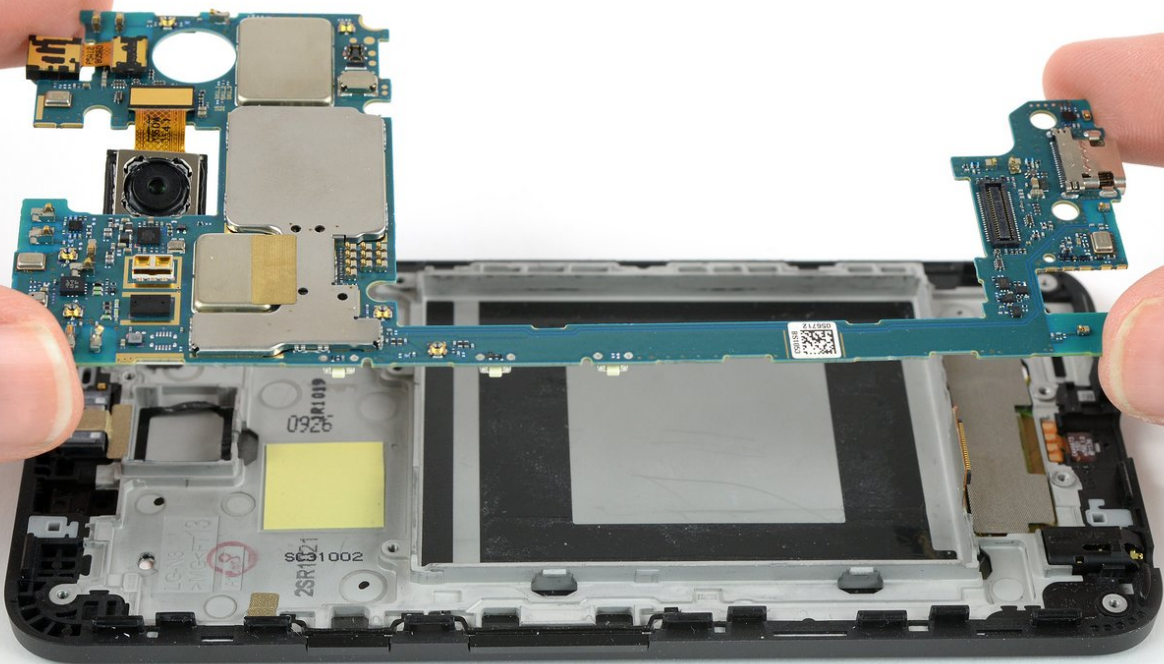# Nexus 5X Motherboard Replacement

This guide will show you how to replace the motherboard of the Nexus 5X.

Written By: Dominik Schnabelrauch

INTRODUCTION

Use this guide to remove the motherboard in the Nexus 5X.

Some guide images will show the battery already removed from the phone. You do **not** need to remove the battery for this procedure

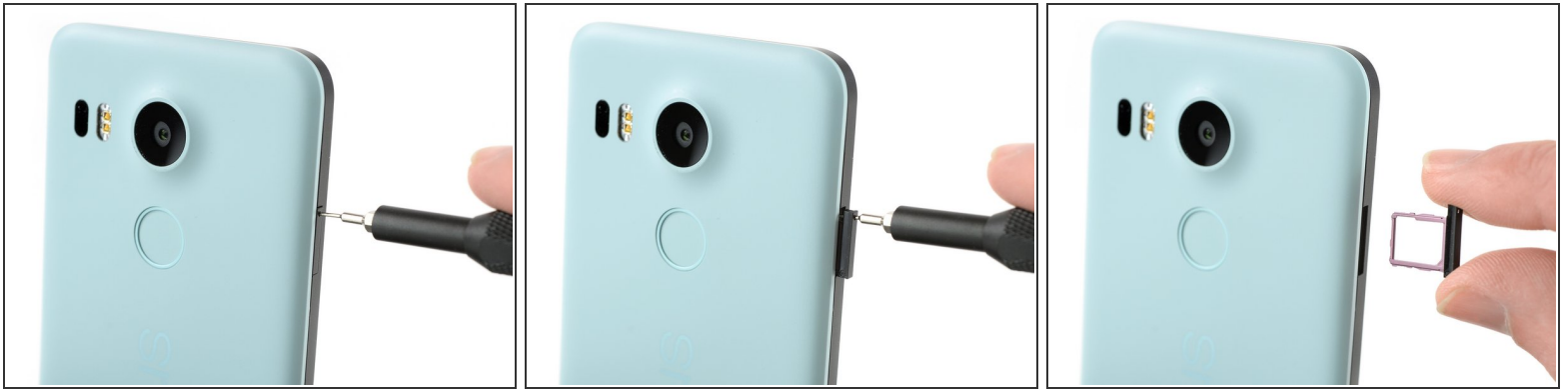You'll need replacement adhesive to reattach components when reassembling the device.

TOOLS:

- SIM Card Eject Tool (1)
- iFixit Opening Picks set of 6 (1)
- Phillips #00 Screwdriver (1)
- iOpener (1)
- Spudger (1)
- Tweezers (1)

PARTS:

- Nexus 5X (LG-H790) Motherboard (1)

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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.

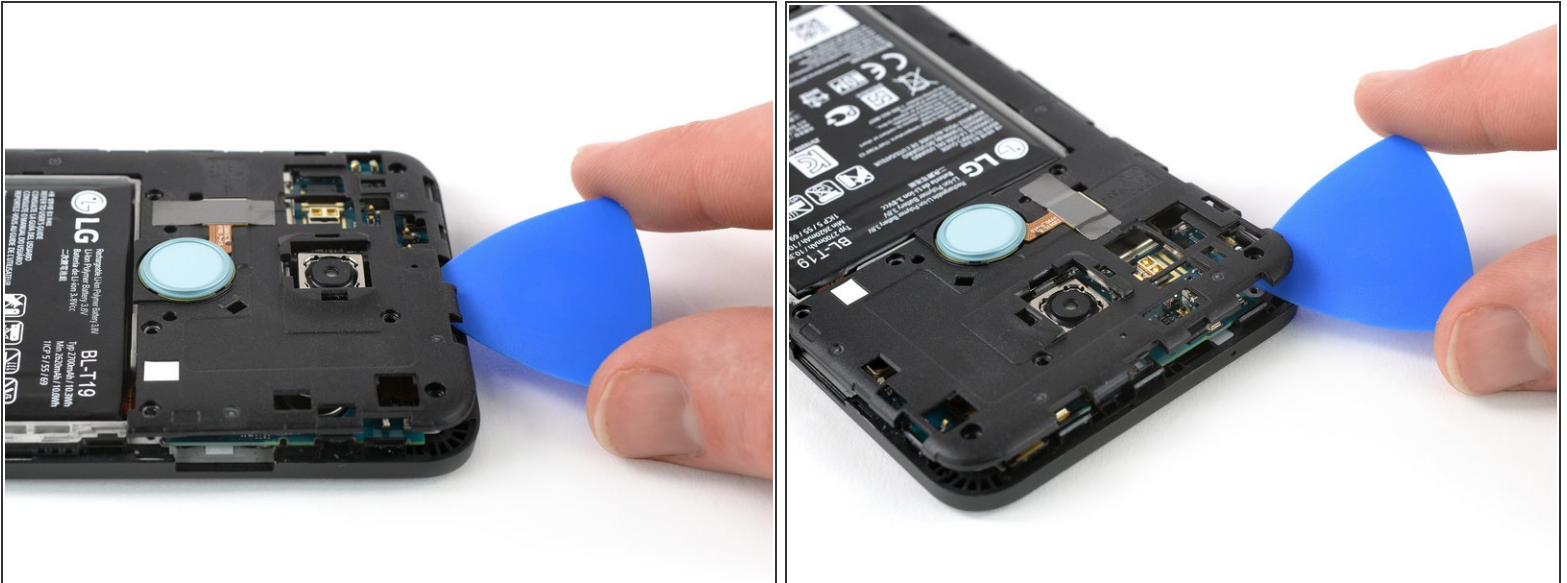- Remove the rear panel.

Step 5 — Midframe

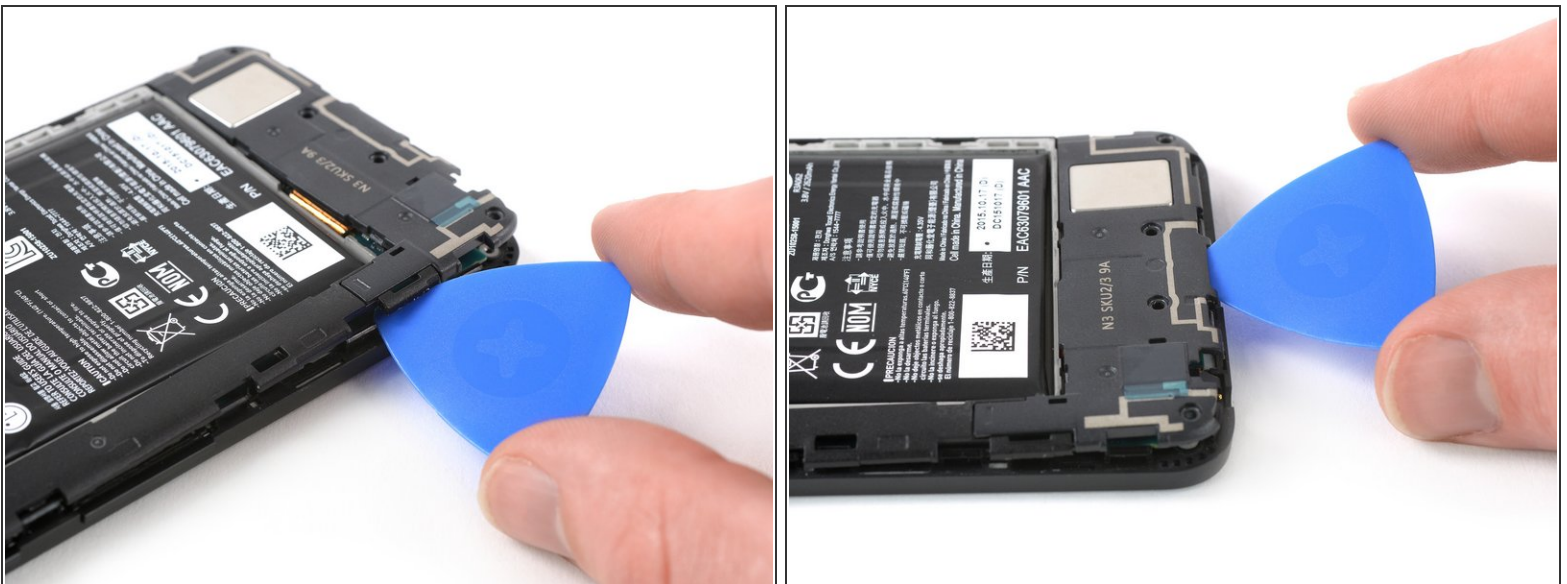- Remove the ten 3.6 mm Phillips screws that secure the midframe.

Step 6

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

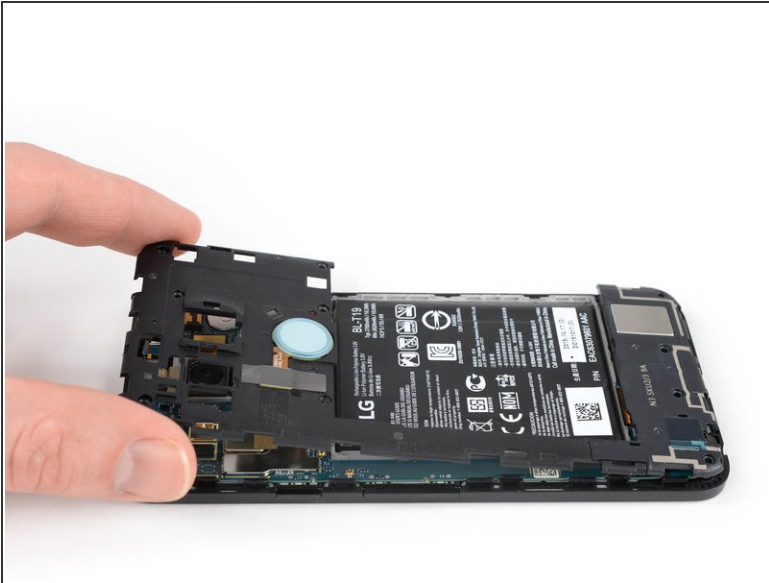This document was generated on 2020-11-26 06:32:15 AM (MST).

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.

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Step 9

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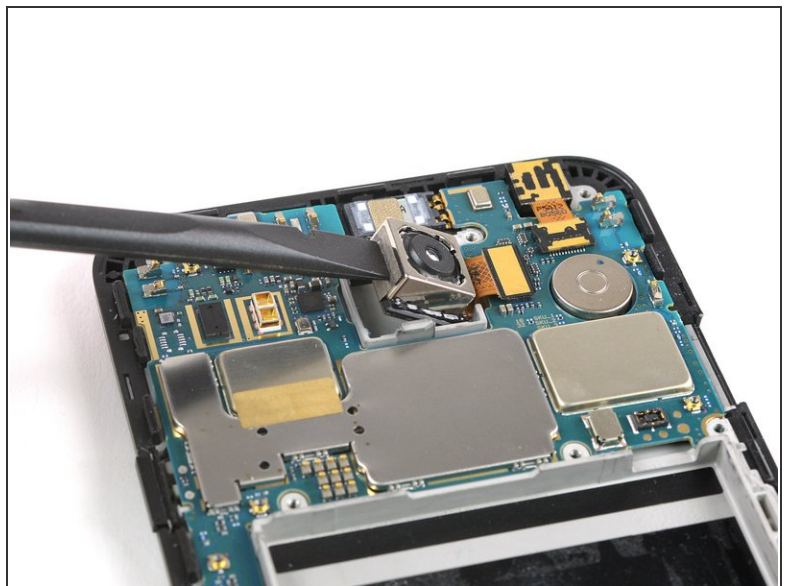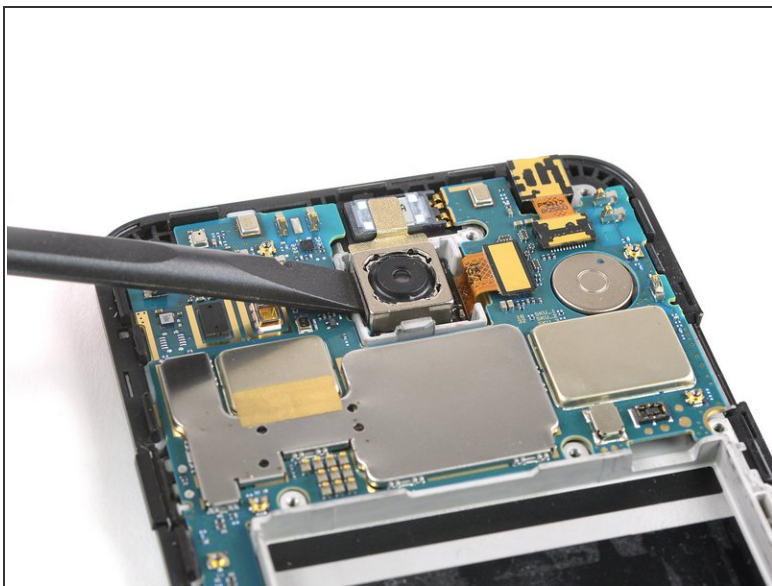
- Carefully remove the midframe.

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.

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Step 11 — 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.
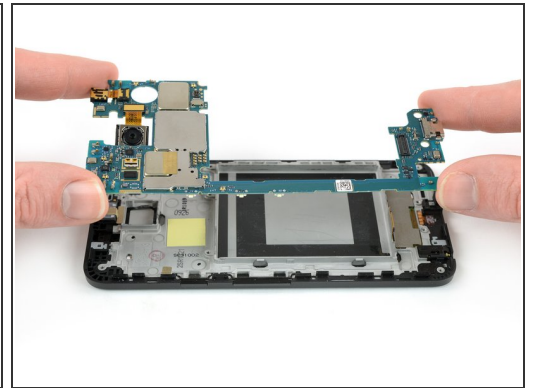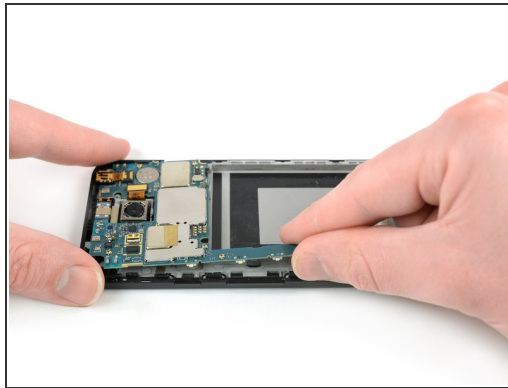
Step 12

- 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.
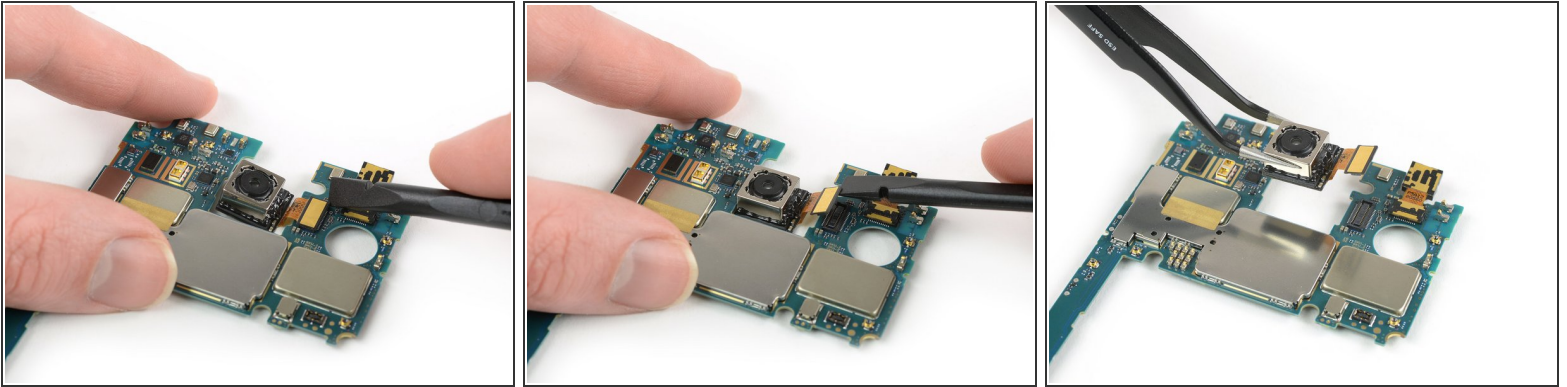
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Step 13

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

Step 14

- 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.

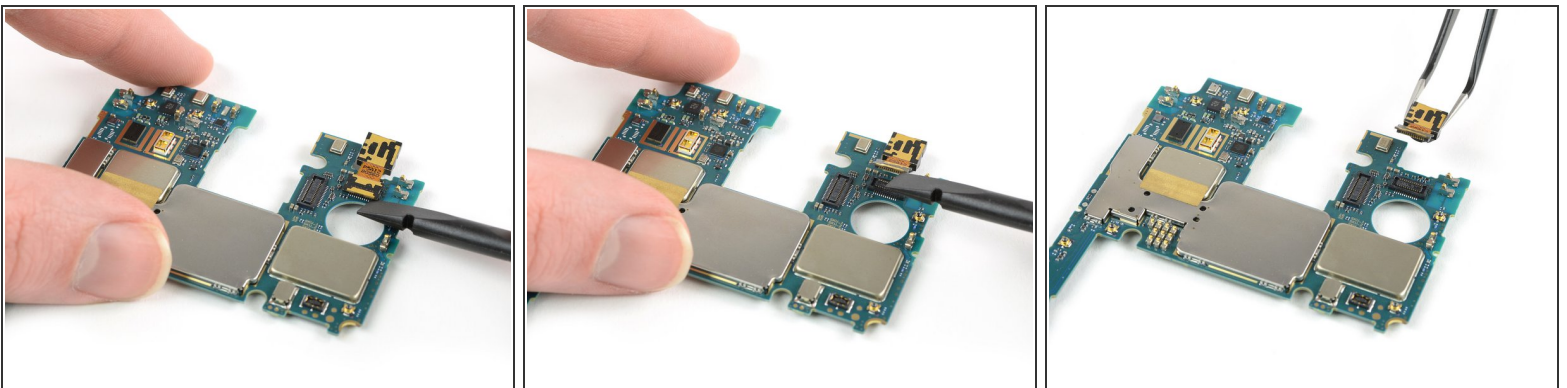This document was generated on 2020-11-26 06:32:15 AM (MST).

Step 15 — Motherboard

ⓘ Proceed with the following steps if you need to transfer the front-facing and rear-facing cameras to the new motherboard.

- Use the flat end of a spudger to pry up the rear-facing camera connector from the motherboard.

- Carefully remove the rear facing camera.

Step 16

- Use the flat end of a spudger to pry up the front-facing camera connector from the motherboard.

- Carefully remove the front-facing camera.

If possible, turn on your phone and test your repair before installing new adhesive and resealing the phone.

To reassemble your device, follow these instructions in reverse order. During reassembly apply new adhesive where it's necessary.

Repair didn't go as planned? Check out our [Nexus 5X Answers community](#) for troubleshooting help.

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