



Motorola Moto G7 Power Screen Replacement

Use this guide to remove or replace the screen...

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INTRODUCTION

Use this guide to remove or replace the screen on your Motorola Moto G7 Power.

Before you begin, download the [Rescue and Smart Assistant](#) app to backup your device and diagnose whether your problem is software or hardware related.

This procedure requires removing the glued in battery. **Do not reuse the battery after it has been removed.** Be sure to replace the old battery, as reusing it can create a potential safety hazard.

Some images may have visual discrepancies, such as the SIM card tray being removed from the phone. You don't need to remove the SIM card tray for this procedure.

You'll need some double-sided tape ([such as Tesa tape](#)) in order to adhere the replaced components.

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



TOOLS:

[iOpener](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[iFixit Adhesive Remover](#) (1)
[Tweezers](#) (1)



PARTS:

[Tesa 61395 Tape](#) (1)

Step 1 — Weaken the adhesive



- Apply a [heated iOpener](#) or a heat gun to the bottom edge of the screen for approximately two minutes to help soften the adhesive.
- ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the device—the display and internal battery are both susceptible to heat damage.

Step 2 — Loosen the rear cover



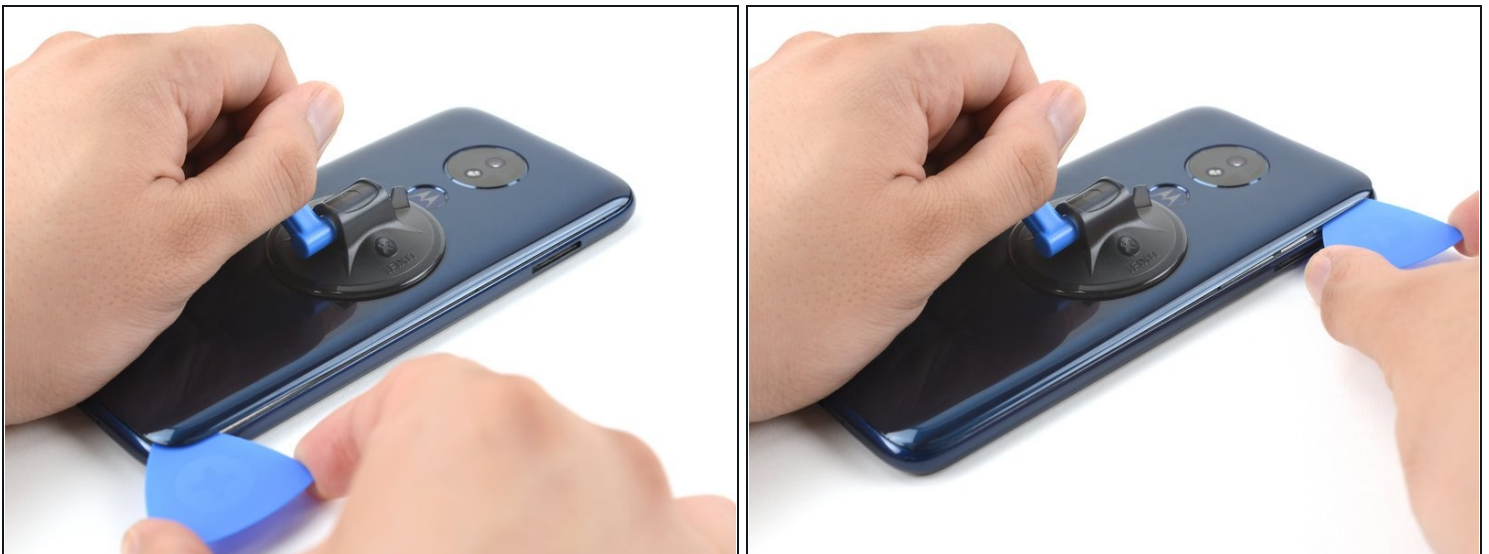
- Apply a suction cup to the rear cover, as close to the heated edge as possible.
- Pull up on the suction cup with strong, steady force to create a gap.
 - ⓘ Depending on the age of your device, this may be difficult. If you have trouble, apply more heat and try again.
- Insert an opening pick into the gap you created under the rear cover.

Step 3



- Slide the pick along the bottom of the gap to slice through the adhesive securing the rear cover to the midframe.
- ⓘ After being cut, the adhesive will sometimes stick back together as it cools. To prevent this, you can leave the pick in this edge after cutting, and continue the next steps with a new pick. Repeat this with each edge, leaving a pick and continuing with a new one.

Step 4



- Slide the pick along the gap on the same side of the phone as the SIM card tray to slice through the adhesive securing the rear cover to the midframe.

Step 5



- Slide the pick along the gap at the top of the phone to slice through the adhesive securing the rear cover to the midframe.

Step 6



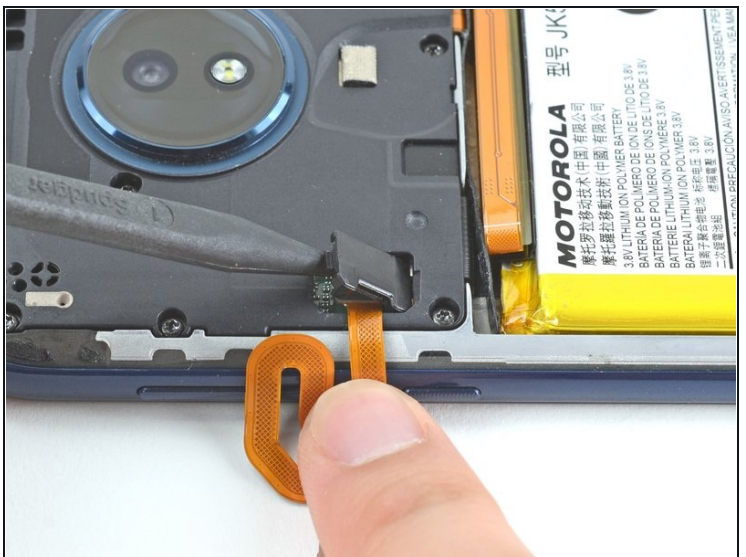
- Slightly lift up the rear cover starting from the right side.
- This will prevent damage to the fingerprint sensor connector under the left side of the rear cover.
- ❗ If lifting the rear cover is difficult, slice through any remaining adhesive with an opening pick. Reapplying the iOpener can also help weaken the adhesive.
- Use a finger to press down on the fingerprint sensor until it separates from the rear cover.

Step 7 — Remove the rear cover



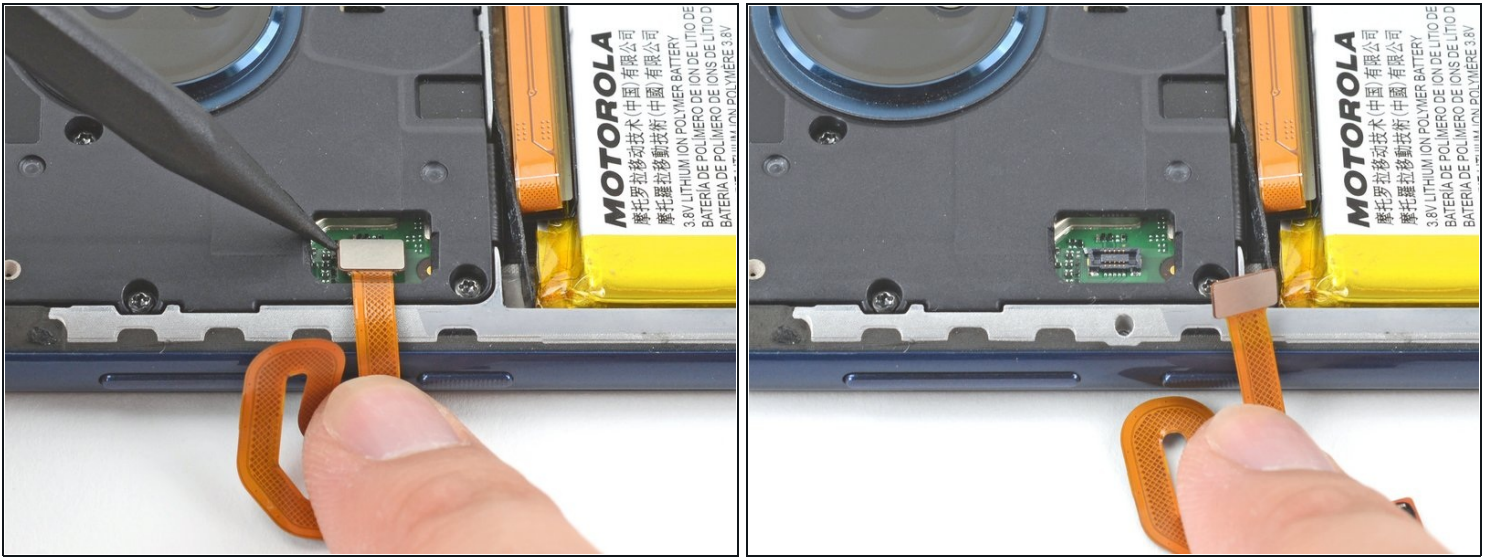
- Remove the rear cover, taking care not to damage the fingerprint sensor.
- ☒ During reassembly, [follow this guide](#) to install custom-cut adhesives for your device.

Step 8 — Remove the fingerprint sensor



- Insert the pointed end of a spudger into the divot at the top of the fingerprint sensor connector cover.
- Gently pry the cover open.
- Remove the cover.

Step 9



- Use the pointed end of a spudger to pry up on the fingerprint sensor connector to disconnect it.

Step 10 — Remove the motherboard cover



- Use a T5 Torx screwdriver to remove the ten screws securing the motherboard cover to the midframe:
 - Nine 3.5 mm screws
 - One 3.0 mm screw

Step 11



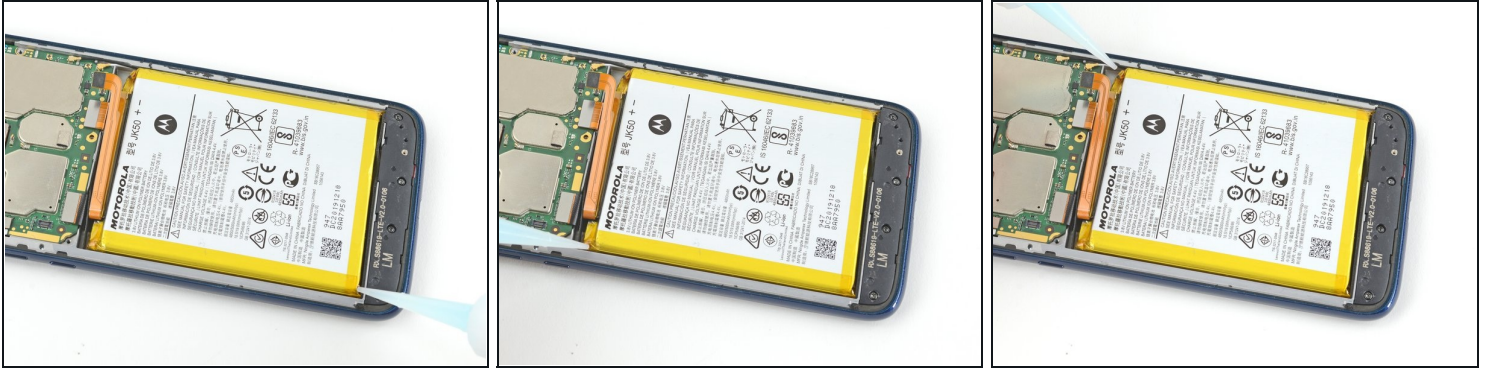
- Insert the flat end of a spudger under the motherboard cover.
- Pry the motherboard cover upwards to lift it from the motherboard.
- Remove the motherboard cover.

Step 12 — Disconnect the battery



- Use the flat end of a spudger to pry up on the battery connector to disconnect it.

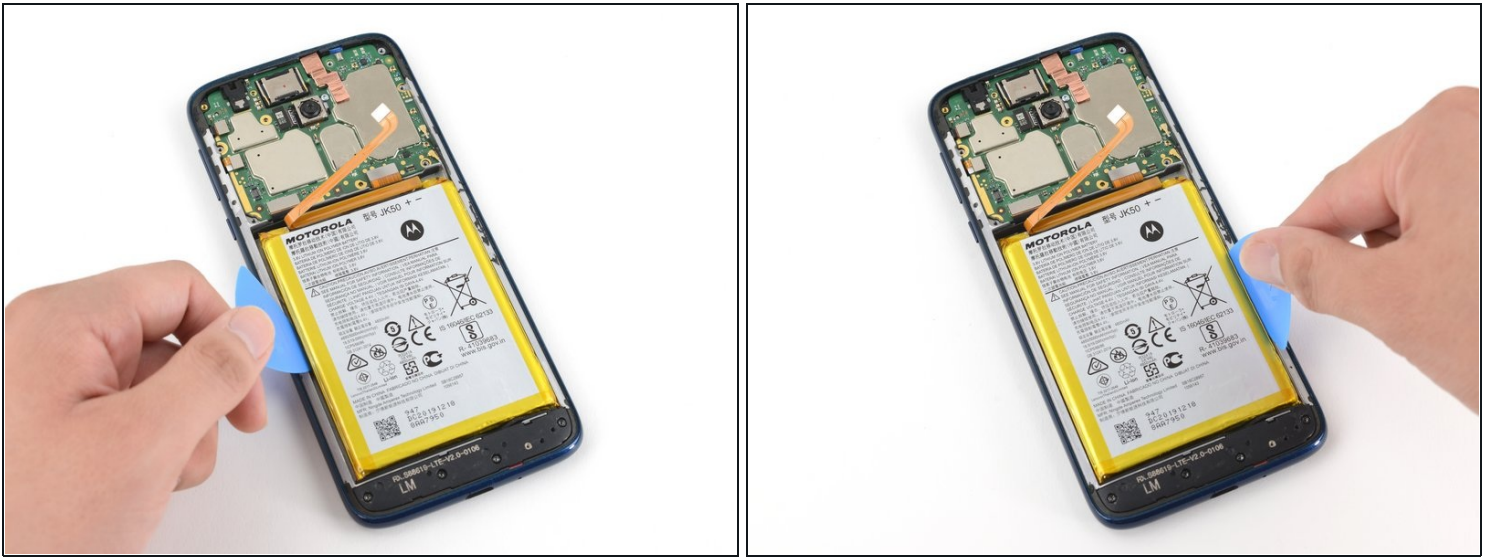
Step 13 — Loosen the battery



i If you are using adhesive remover, [follow these preparation steps first](#).

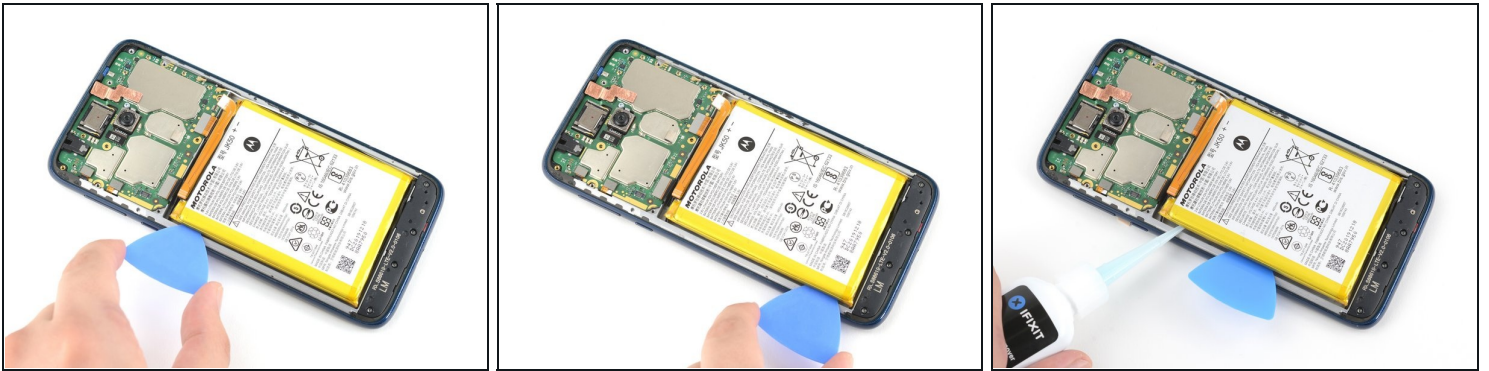
- Apply 2-3 drops of high concentration (over 90%) isopropyl alcohol under each corner of the battery and allow it to penetrate for several minutes to help weaken the adhesive.

Step 14



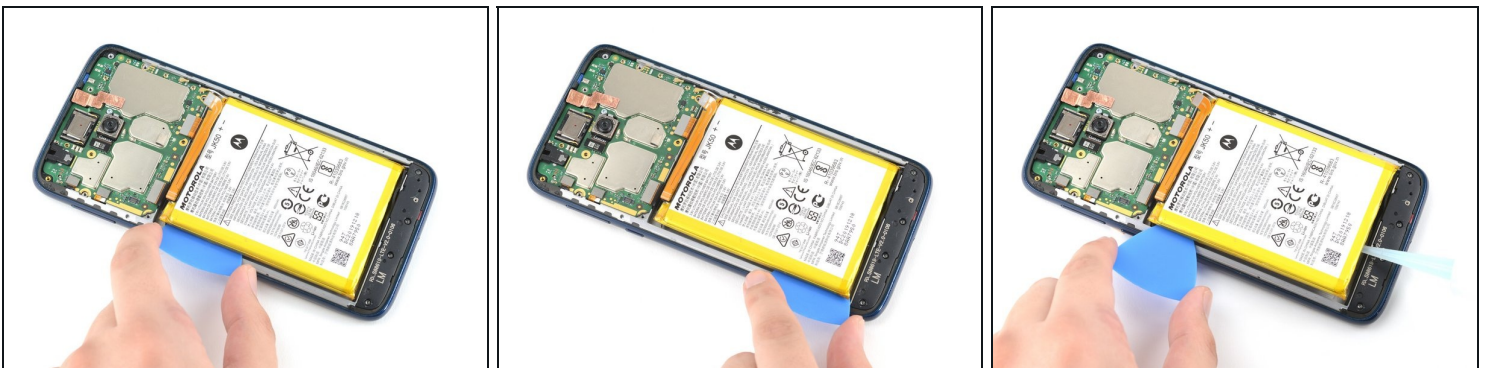
- Insert an opening pick into the small gap between the battery and its compartment.
⚠ Take care not to puncture or bend the battery with your tool—a punctured or bent battery may leak dangerous chemicals or cause a thermal event.
- Remove the opening pick and insert it into the small gap on the other side of the battery. This will jiggle the battery around in its compartment, further weakening the adhesive under the battery.
- Repeat the process until you can easily insert the pick into both gaps.
i If this step feels difficult, apply more isopropyl alcohol, wait, and try again.

Step 15



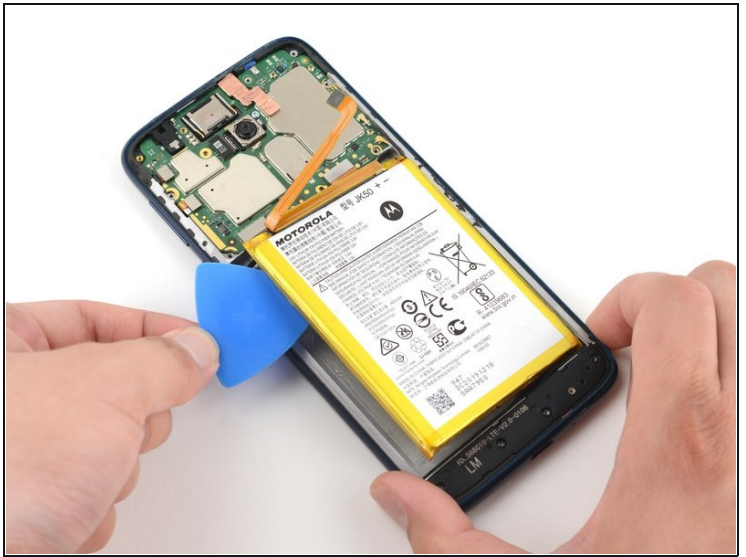
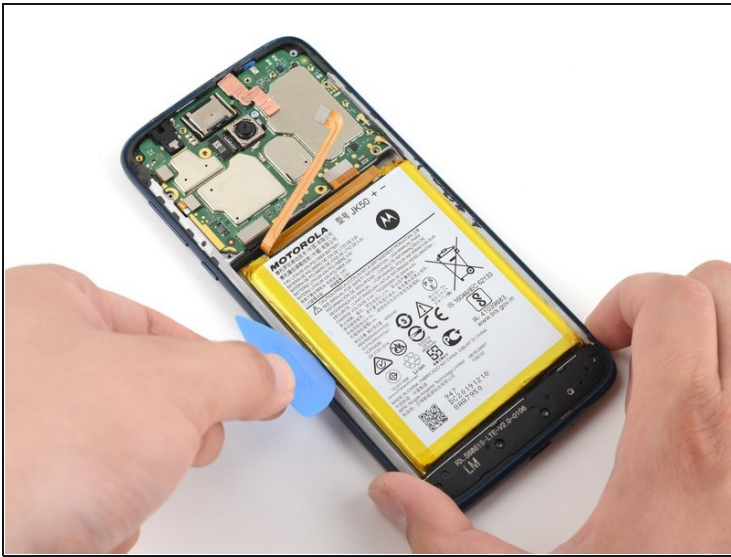
- Insert a pick into the gap to the left of the battery and slide its tip underneath the battery.
⚠ Both the screen connector and interconnect cable are located underneath the battery. Be careful not to damage them while using the opening pick!
- Slide the pick along the left side of the battery to slice through the adhesive securing it to the midframe.
- Once the left side of the battery begins to separate from the midframe, leave an opening pick in the gap to keep the battery slightly raised.
- Apply four to five drops of isopropyl alcohol directly to the adhesive securing the battery to the midframe.

Step 16



- Repeat the previous step until you've sliced through most of the adhesive.
i If you are having trouble reaching the adhesive under the right side of the battery, use a longer opening tool like a [plastic card](#) to slice through any remaining adhesive without bending or puncturing the battery.

Step 17



- Use an opening pick to gently pry the battery up and out of its compartment.

Step 18 — Remove the battery



- Remove the battery from the midframe.

⚠ Do not reuse the battery after it has been removed. The stress of removal can cause hidden damage to the battery cell, creating a potential safety hazard. Replace it with a new battery.

To install a new battery:

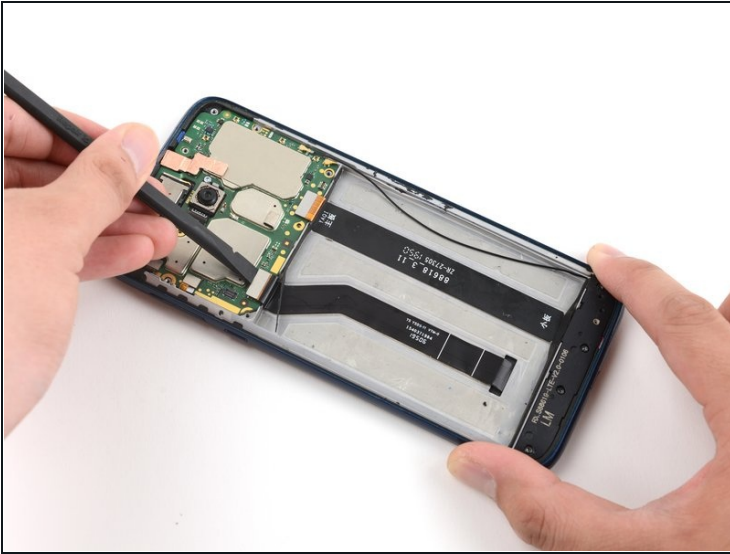
- Remove any remaining adhesive from the phone, and clean the entire area under the battery with isopropyl alcohol.
- Apply a few new strips of [pre-cut adhesive](#) or [Tesa tape](#).
 - ① If you are attaching the battery with a custom-cut adhesive, [follow this guide](#).
- Press the new battery firmly into place for 5-10 seconds.

Step 19 — Screen



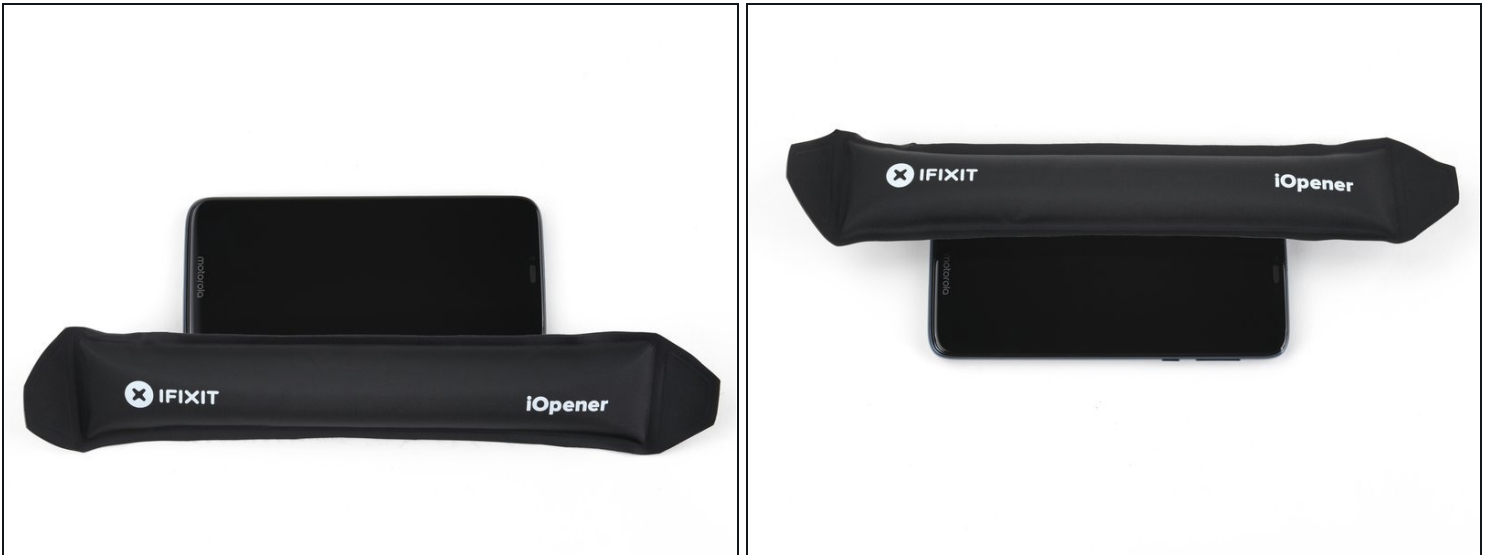
- Use a pair of tweezers to carefully peel back the black rubber tape securing the screen connector to the midframe.

Step 20



- Use the flat end of a spudger to pry up on the screen connector to disconnect it from the motherboard.

Step 21



- Apply a heated iOpener or heat gun to the screen, focusing on the left, right, and top edges of the device.
- ⓘ Depending on the age of your phone, you may need to apply heat for longer than usual. Be careful not to overexpose your device to direct heat, as that can damage it.

Step 22



- Apply a suction cup to the screen, as close to the heated edge at the top of the screen as possible.
- Pull up on the suction cup with strong, steady force to create a gap.
- ⓘ Depending on the age of your device, this may be difficult. If you have trouble, apply more heat and try again.
- Insert an opening pick into the gap.

Step 23



- Leave the opening pick in the gap at the top.
- Insert another opening pick into the top left corner of the screen.
- Slide the pick along the gap on the left side of the screen to slice through the adhesive securing it to the midframe.

Step 24



- Leave the opening pick in the gap at the bottom left of the screen.
- Insert another opening pick into the bottom right corner of the screen.
- Slide the pick along the gap on the right side of the screen to slice through the adhesive securing it to the midframe.

Step 25



- Open the phone from top to bottom to ensure that the screen connector is not damaged.
- Grasp the top edge of the screen and lift it up to loosen it from the frame.

Step 26 — Remove the screen



- Remove the screen from the midframe, taking care not to damage the screen connector cable as you pull it through the midframe cutout.
- ☐ During reassembly, [follow this guide](#) to install custom-cut adhesives for your device.

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? Try some [basic troubleshooting](#), or ask our [Motorola Moto G7 Power Answers community](#) for help.

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.