



LG G6 Rear Glass Panel Replacement

How to remove and replace the rear glass panel on the LG G6.

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INTRODUCTION

Follow this guide to remove or replace the rear glass panel of an LG G6.



TOOLS:

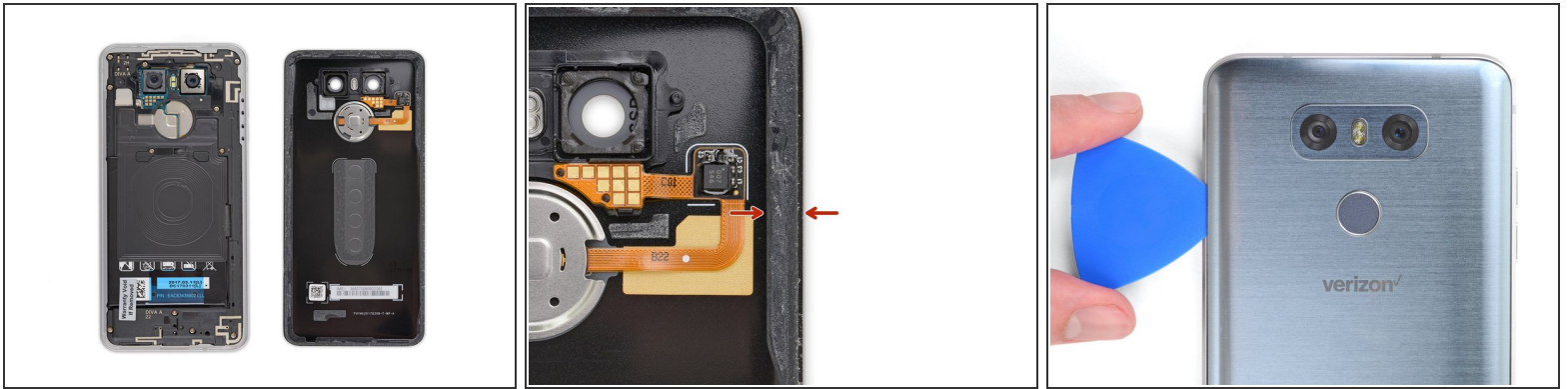
- [iOpener](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Tools](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Tweezers](#) (1)



PARTS:

- [LG G6 Rear Cover Adhesive](#) (1)
- [LG G6 Rear Glass Panel](#) (1)
- [Precut Adhesive Card](#) (1)

Step 1 — Rear Glass Panel



i In the following steps you'll be cutting through the adhesive that adheres the rear glass panel to the phone.

- For reference, the backside of the panel is shown in the first photo. Note the clearance between the edge of the panel and the fragile ribbon cable beside the fingerprint sensor.
- Be careful as you slice and pry to the left side of the fingerprint sensor, as seen from the outside of the phone in the third photo.

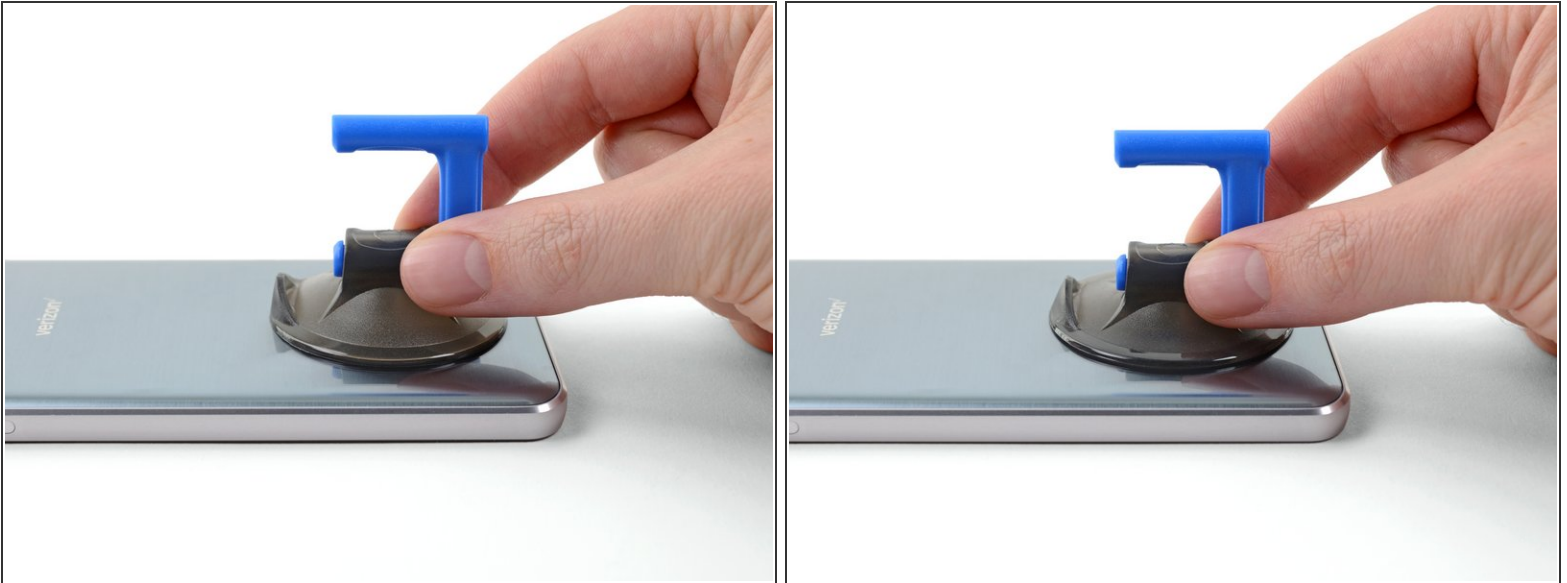
! Inserting an opening tool more than 3 mm into the phone in this area can damage or tear the fingerprint sensor cable.

Step 2



- i** Heating the backside of the G6 helps soften the adhesive securing the rear panel, making it easier to open.
- Use a hairdryer, a heat gun, or [prepare an iOpener](#) and apply it to the lower edge of the G6 for about a minute to soften up the adhesive underneath the rear glass panel.

Step 3



- Secure a suction cup to the rear panel, as close to the heated edge as possible.

Step 4



- ❗ To make this step easier, you can prop up the heated edge of the phone on something that is about 0.5 inches (13 mm) thick, like an eraser. This will angle the phone so that the opening tool is easier to insert.
 - If you don't have a small object for propping, you can (carefully) perform this step at the edge of a desk or table to achieve the same angle of entry.
- Lift the rear panel's bottom edge with your suction cup, opening a slight gap between the panel and the frame.
- ❗ This may require a significant amount of force. If you have trouble, apply more heat to further soften the adhesive, and try again. The adhesive cools very fast, so you may need to heat it repeatedly.
- Once you've created a gap, press the flat end of an opening tool into the gap.
- ⚠ The rear glass panel is fragile and can break if you use too much force or attempt to pry with metal tools.

Step 5



- Slide the opening tool back and forth across the bottom edge of the phone, cutting through the adhesive securing the rear glass panel.
- Once the adhesive is cut and the gap is wide enough, insert an opening pick into the gap to keep the adhesive from re-bonding. Remove the opening tool.

Step 6



- ❗ As you proceed with separating the adhesive, you might need to re-apply heat to each edge before you can slice the adhesive securing it.
 - Additionally, you can use multiple opening picks for this process, [leaving one in place on each side](#) after you finish slicing to prevent the adhesive from re-adhering as it cools.
- Slide the opening pick along the left edge of the phone to slice through the adhesive securing the rear panel.


Step 7



- Re-insert the opening pick into the bottom edge of the phone and slide it up the right edge of the phone, cutting through the adhesive holding it in place.

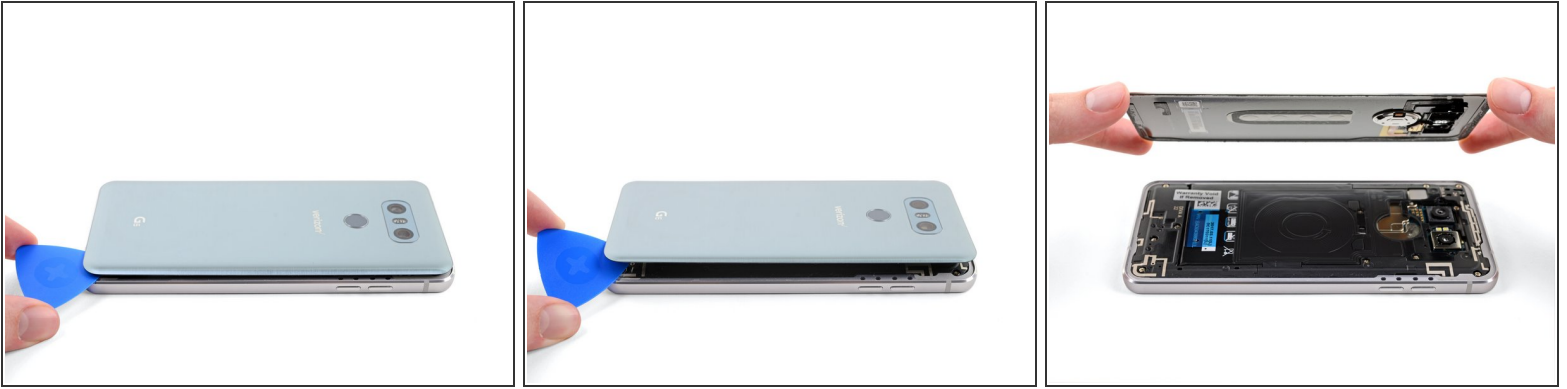
Step 8



 As seen in [Step 1](#), the fingerprint reader cable runs to the left of the camera, fairly close to the edge of the phone. Be careful as you cut through the adhesive in the upper edges of the phone.

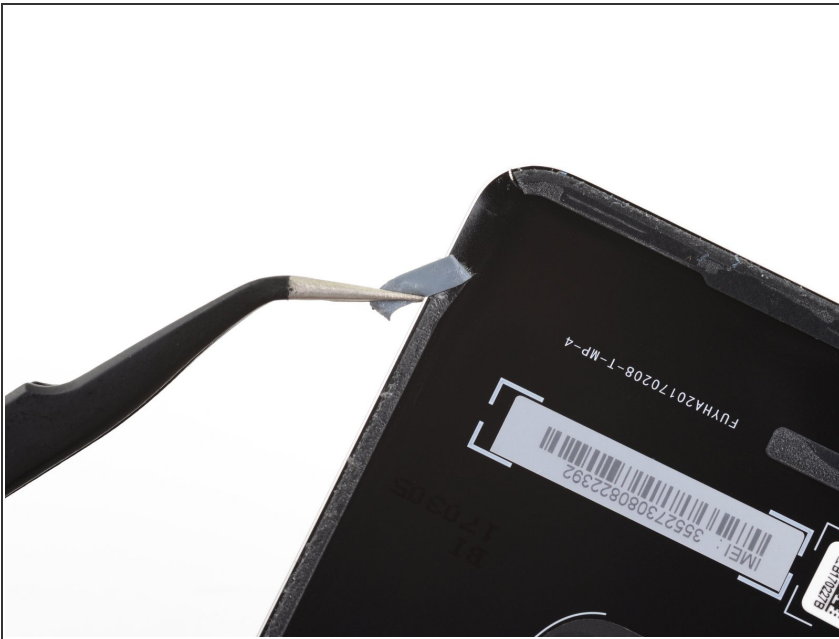
- Carefully slide an opening pick across the top edge of the phone, separating the last of the adhesive securing the rear glass panel.


Step 9




- Once all the adhesive is cut, use an opening pick to pry up the rear glass panel.
- Remove the panel.

Step 10



 If reusing the rear glass panel during reassembly:

- Use tweezers to peel away any remaining adhesive from both the rear panel and the phone's chassis.
- Clean the adhesion areas with high concentration isopropyl alcohol (at least 90%) and a lint-free cloth. Swipe in one direction only, not back and forth. This will help prep the surface for the new adhesive.




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

- Peel away the replacement adhesive's liner, align it with the back of the phone, and press it into place.
- Remove any remaining liners, and replace the rear glass panel.
- After installing the rear panel, apply strong, steady pressure to your phone for several minutes to help the adhesive form a good bond, such as by placing it under a stack of heavy books.

ⓘ You can also reinstall the rear panel without replacing the adhesive. Remove any large chunks of adhesive that might prevent the panel from sitting down flush. After installation, heat the panel and apply pressure to secure it. The phone won't be waterproof, but the residual adhesive is usually more than strong enough to hold.

Step 11 — Rear Glass Panel



-  If replacing the rear glass panel with a brand new one, you will need to transfer the fingerprint sensor and camera bracket over to your replacement glass:
- Slide the blade of a halberd spudger or other plastic pry tool into the opening on the edge of the rear button bracket.
 -  Careful not to push directly against the rear button ribbon cable, to avoid damaging it.
 -  Do not push the spudger in too far, to avoid damaging the rear button.
 - Continue sliding your pry tool around the bracket to cut all the adhesive holding the bracket to the rear case.
 - Remove the bracket.

Step 12



- Slide an opening pick between the rear button membrane and the rear case.
- Slide the pick around the edge of the membrane to separate it from the rear case.
- This might take some force, as the adhesive holding the membrane to the case is tenacious. Pry slowly, to avoid puncturing or stretching the membrane.

Step 13



- Use the blade of a halberd spudger or another plastic pry tool to pry the rear button chip off of the rear case.

Step 14



- Use an opening pick to pry the contact pad off of the rear case.
- Remove the rear button assembly.

Step 15



- Apply an iOpener to the rear glass over the camera area to soften the adhesive under the camera bracket.
- ⓘ A heat gun or hair dryer may also be used here, but be careful to not heat one area of the glass too much to avoid damaging the rear glass assembly.

Step 16



- Insert an opening pick or other plastic cutting tool under the top left corner of the black camera bracket.
- Slide the tool along the top edge of the bracket and around the corner to cut the camera bracket adhesive.

Step 17



- Insert your opening tool under the left side of the camera bracket.
- Slide your tool down the left side of the bracket to continue releasing the adhesive.
- Continue cutting and slicing until you can pry up the bracket.

Step 18



- Remove the camera bracket from the rear glass.
- ★ Check your replacement rear glass panel for new adhesive for the camera bracket and fingerprint sensor assembly. If there is none, you will need to apply your own adhesive during reassembly.
- i If replacing the adhesive, clean all adhesion areas with high concentration isopropyl alcohol (90%+) and a lint free cloth before applying new adhesive from [pre-cut adhesive sheet](#). Wipe in one direction to avoid smearing.

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 installing.

To reassemble your device, follow the above steps in reverse order.

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

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