



iPhone 11 Pro Max Back Glass Replacement

Do you need to repair the back glass on an iPhone 11 Pro Max? Here is the way to replace it without a full teardown.

Written By: RAotom Kim



INTRODUCTION

It's well known that there are many videos and articles about dismantling the iPhone 11 Pro Max by teardown masters. From those teardown videos and articles, we know that the glass back of the iPhone 11 Pro Max is the toughest glass that Apple uses. If the back glass of the phone is broken, we have to remove all the components to fix it. It is very troublesome and difficult for some repairers to refurbish the phone, especially because of the triple lens camera system, which makes it much more difficult to repair the glass.

So, is there a useful and practical method to overcome this repair problem that *doesn't* damage the OLED display?

There are many methods you may have attempted, including hot separation, frozen separation and more, but with little success.

Recently, FORWARD LAB has tried to use a blue light laser separation machine to repair the iPhone 11 Pro Max back glass, let's look at how.



TOOLS:

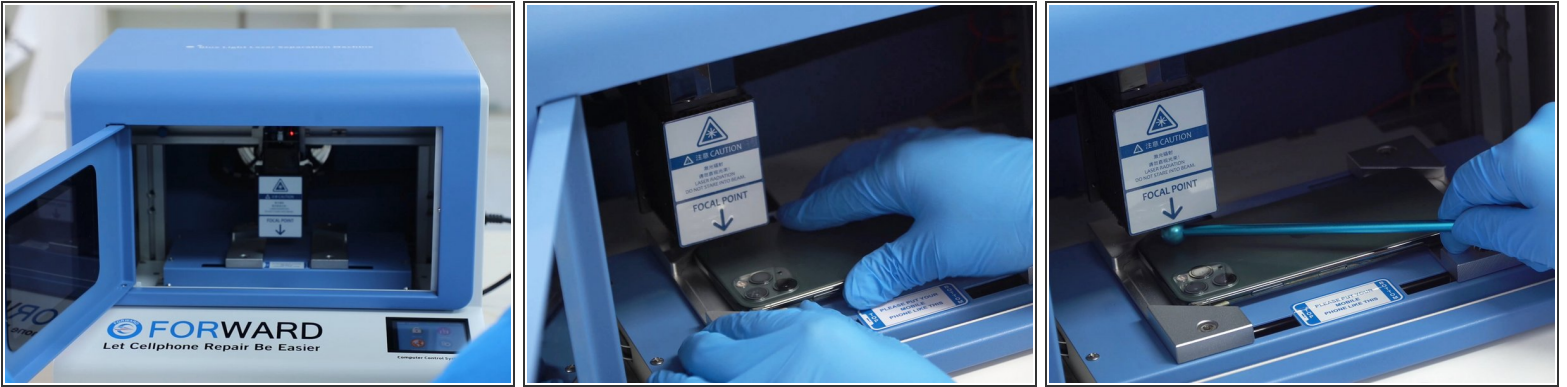
- [Blue Light Laser Separation Machine](#) (1)
- [Dust-free Cleaning Cloth](#) (1)
- [Manual Glue Gun](#) (1)



PARTS:

- [iPhone 11 Pro Back Glass Replacement](#) (1)

Step 1 — Positioning and Adjust the Distance



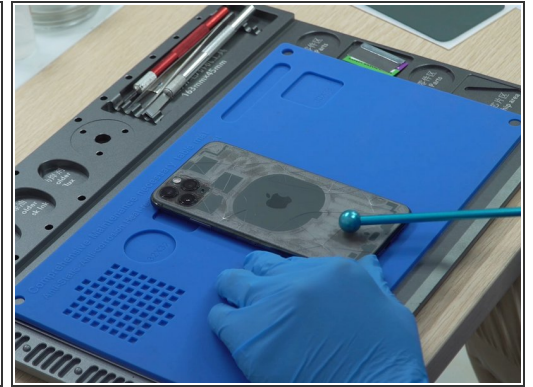
- First, place the iPhone 11 Pro Max back glass into the centered positioning mold.
- Then, use a focal length rod to adjust the distance between the laser head and the back glass.

Step 2 — Scan The Back Glass With Laser




- Close the door. Select the iPhone 11 Pro Max's back cover drawing from the model list, then click the "Figures" key - the machine will laser the back glass automatically.
- Here we can see that the machine is an enclosed structure with a window door and the laser is not exposed. You can observe the laser process at any time and it's 100% safe and reliable during the operation.
- What's more, while the [laser machine](#) is working, you can release your hands to do other repair jobs. It's very convenient.

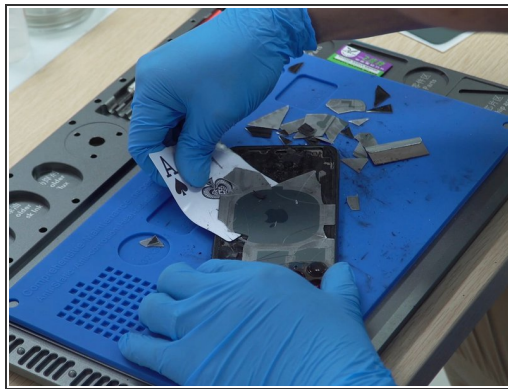
Step 3 — Separate The Back Glass - Part 1




- Once the laser is finished, take out the phone and give the back glass a little tap with a focal length rod. The back glass would appear with some cracks, it would be easier to separate.

 No need for too much force.

Step 4 — Separate The Back Glass - Part 2



- At this time, you can use a blade and a playing card to remove the back glass.
- You can see a wireless charging sensor in the middle of the phone after you remove the back glass.

 Be careful of sharp glass that could cause injury. Wear gloves to avoid cutting your hands.

Step 5 — Separate the Glass Around the Triple-Lens Camera



- The glass around the triple-lens camera is relatively thick and the glass in this area is harder to remove. No matter how hard it is, you still can find a way to overcome it.
- ⓘ If you are not able to tear down the glass in this area, you can laser the glass in this area one more time.
- Here, the engineer is using a blade, a grinding tool, a sculpture knife to remove the glass in this area.
- ⓘ You should be more patient in this step. Finally, you can take out the glass in this area successfully.

Step 6 — Clean up the Residual Glue and Black Dust



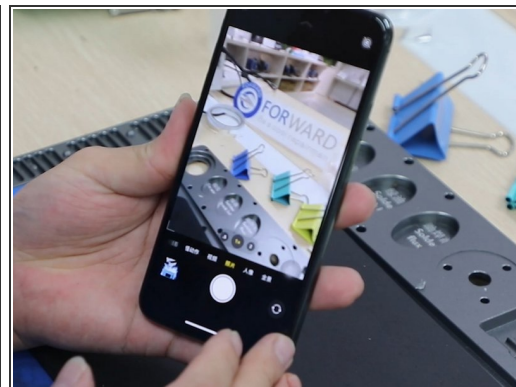
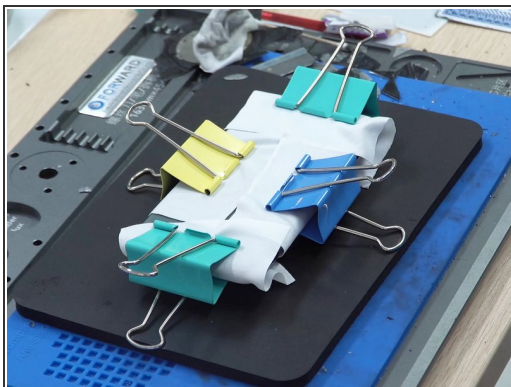
- After finishing the last step, clean up the residual glue and black dust with alcohol and a dustless cloth.
- Now you can see the back stainless steel plate is very clean in the picture. The next step is to install the new back glass.


Step 7 — Change a New Back Glass



- Before installing the new back glass, you have to put the dustproof net back to the microphone area.
- Then, add new glue onto the back stainless steel plate and laminate the new back glass to it.

Step 8



- Finally, clamp it for 30 minutes.
 - You can see the final effect in the below picture, that is so great.
 - Test the camera. Perfect.
-  That's all today. If you want to know more cell phone repair information, you can reply to this post.

To reassemble your device, follow these instructions in reverse order. Save time and money with good tools.