



iPhone 11 Pro Max Cracked Screen Repair

iPhone 11 Pro Max Broken Screen Repair

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INTRODUCTION

For iPhone X and later iPhone models, the bracket covering the bottom flex cable bonding area is adhered by cold adhesive. The traditional method with heating assistance when removing bezel might damage the screen. After several attempts, REWA LAB found that the new method with cold assistance can improve the success rate and efficiency of screen refurbishing.

Step 1 — Screen Comparison



- The screen structure of iPhone 11 Pro Max is the same as that of iPhone X series. Therefore, the screen refurbishing process is also similar.
- Different from iPhone X series, the bracket covering the bottom flex cable bonding area of iPhone 11 Pro Max is relatively wide, which increases the difficulty of screen refurbishing.

⚠ Therefore, we need to be extremely careful when removing the bezel.

Step 2 — Screen Testing



- Test the display, touch functionality and Haptic Touch of the screen. All going well.
- Disconnect the front panel sensor assembly flex cable and remove the OLED screen assembly. Then remove the front panel sensor assembly flex cable.

⚠ Tips: it is not easy to remove the front panel sensor assembly flex cable, which can be easily damaged during the operation. And the damage can also affect the function of Face ID. So we need to be extremely careful when operating

Step 3 — Frozen LCD Screen Separator



- Place the OLED screen assembly upside down into the -180°C Frozen LCD Screen Separator.
- Insert a 0.06mm metal pry piece under the bracket and slide back and forth to slice through the cold adhesive here.
- Once done, connect the screen and test. All going well.

Step 4 — Bezel Removing



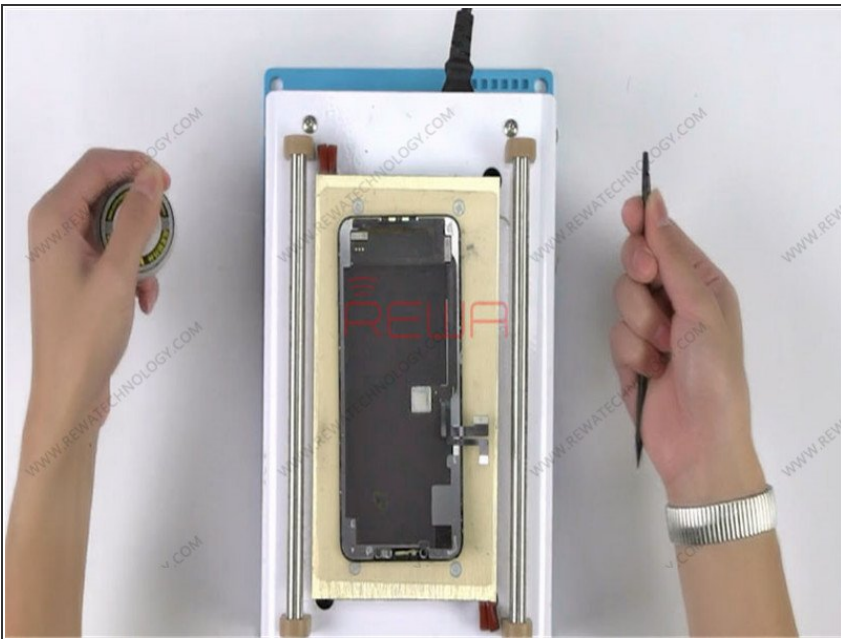
- Put the OLED Screen Assembly on the preheated platform.
- Separate the bezel from the OLED with the Cutting Nipper.

Step 5 — Bezel Tips



- The bezel has been removed completely. As you can see, the area here is adhered by cold adhesive in large amounts.
- To protect the OLED from damage, we'd better freeze the screen during the operation.

Step 6 — Glass Lens Separating



- Next, separate the glass lens from OLED with Cutting Wire.

Step 7 — OCA Glue Removing



- Put the OLED screen upside down on the Heat Platform for 3 minutes.
- Make an incision with the Electric Glue Removing Device. Then continue to tear off the OCA Glue with one hand.

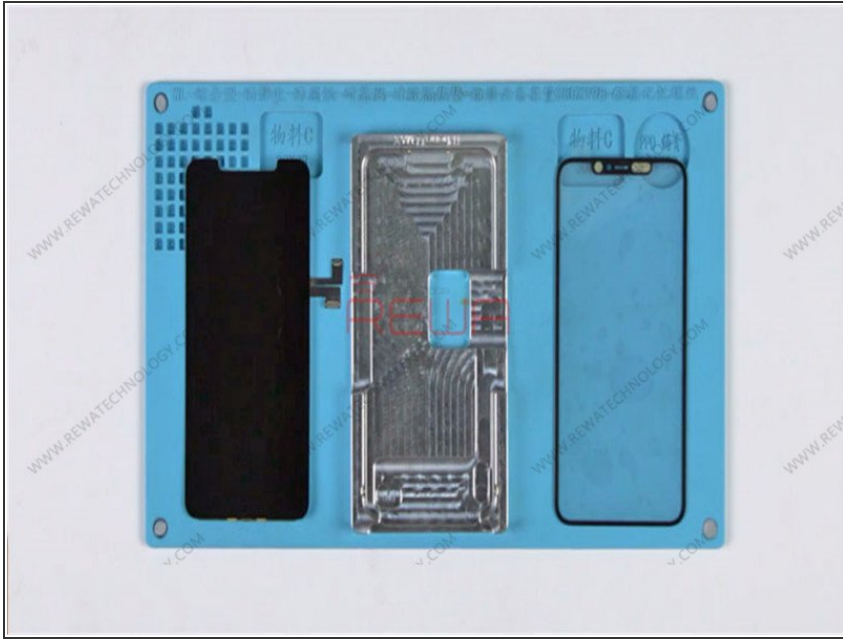
⚠ Also, be careful with force applied. This is to avoid damaging the OLED screen.

Step 8 — OCA+Glass Lens Laminating



- Attach the OCA to the right position of the glass lens.
- Then put the OCA attached glass lens into the bubble removing machine for 5 minutes. Once finished, take out the OCA attached glass lens.

Step 9 — Glass Lens+OLED Screen Laminating



- Place the OLED screen into the OLED aligning mold. Attach the OCA attached glass lens to the right position of the screen.
- Place the OLED Screen Assembly into the laminating machine.

Step 10 — Bubble Removing



- Put the OLED Screen Assembly into Bubble Removing Machine for 10 minutes.

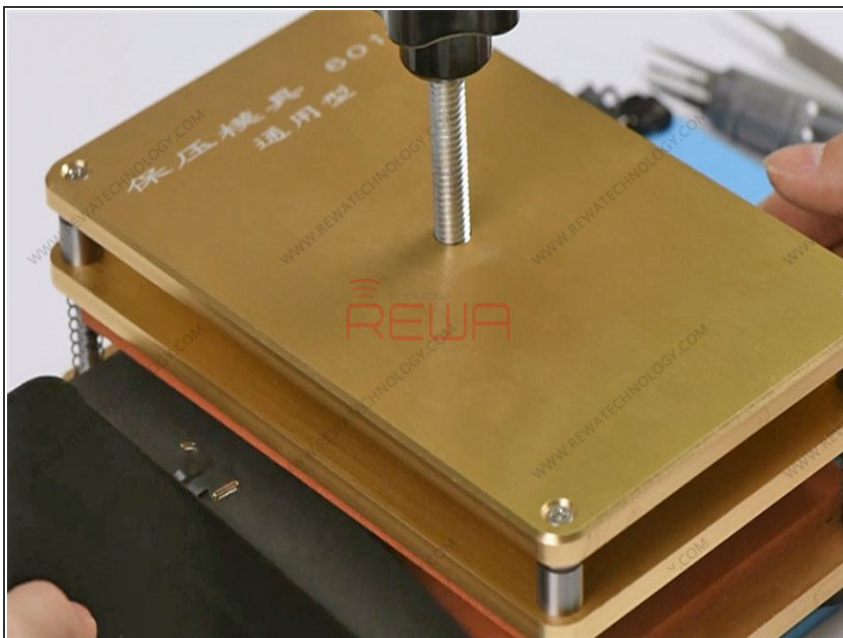
Step 11 — Bezel Attaching



- Apply the specialized glue to the bezel. Then apply pressure to fit the OLED Screen Assembly with the bezel.

⚠ Please be noted the FPC area on the bottom is very fragile. Be careful when operating. Otherwise, you might damage the OLED screen.

Step 12 — Bezel Laminating Mold



- Place the OLED Screen Assembly into the bezel laminating mold and fix it. Tighten the screw and wait for 10 minutes.

Step 13 — Screen Testing



- Run function test.