



iPhone Camera Repair

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INTRODUCTION

[video: https://www.youtube.com/watch?v=jQ-c_GR7_kA&t=66s]

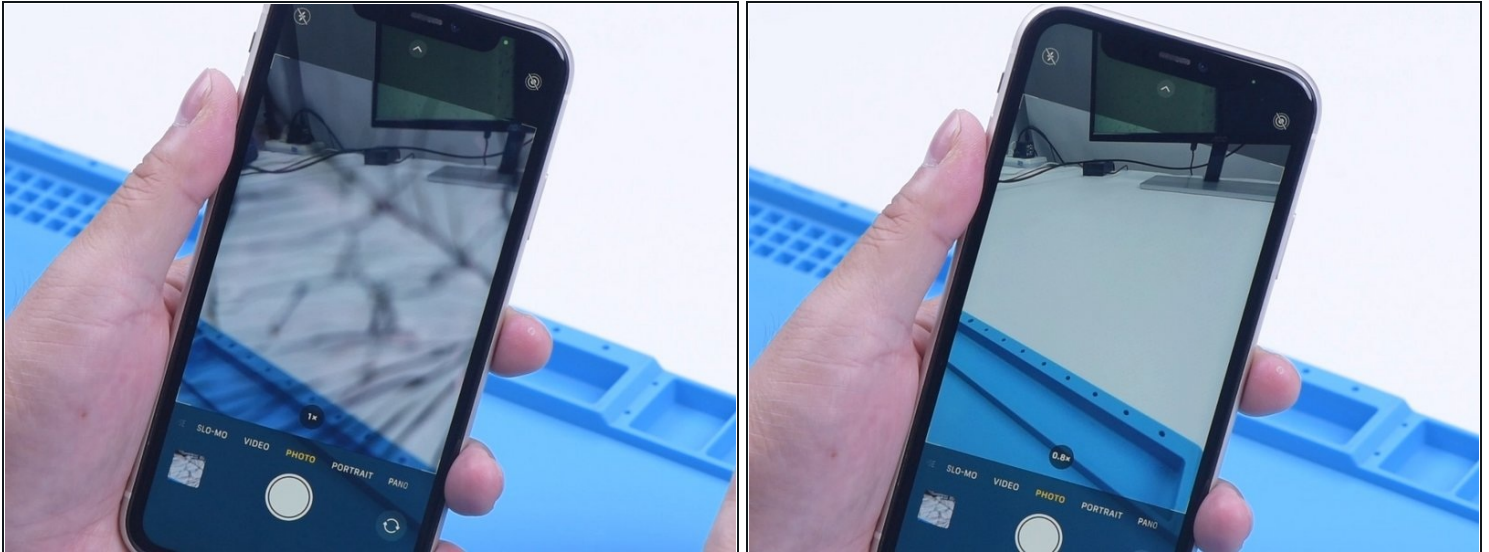
TOOLS:

[Pro Tech Toolkit](#) (1)

PARTS:

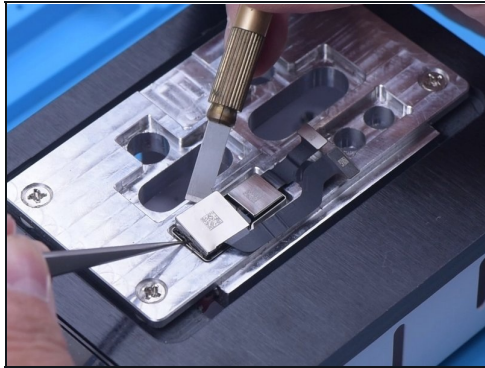
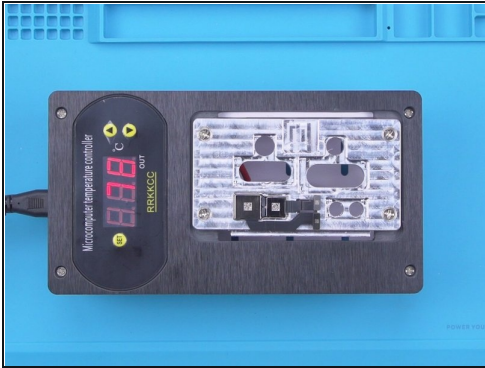
[iPhone 11 Rear Camera](#) (1)

Step 1 — main camera



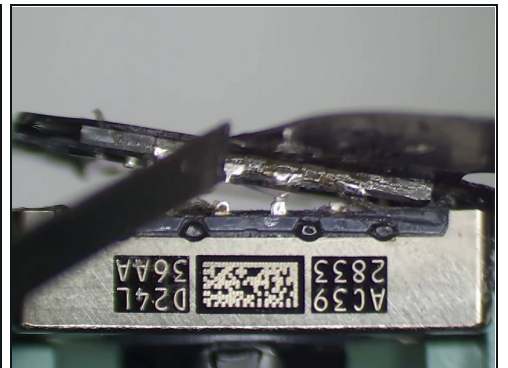
- Today, REWA LAB will share with you a repair case of an iPhone camera and walk you through some knowledge of iPhone camera repair.
- Open the phone camera. When taking photos with the wide-angle camera, cracks appear. The ultra-wide camera works fine. We can judge that the optical filter of the wide-angle camera is damaged.

Step 2



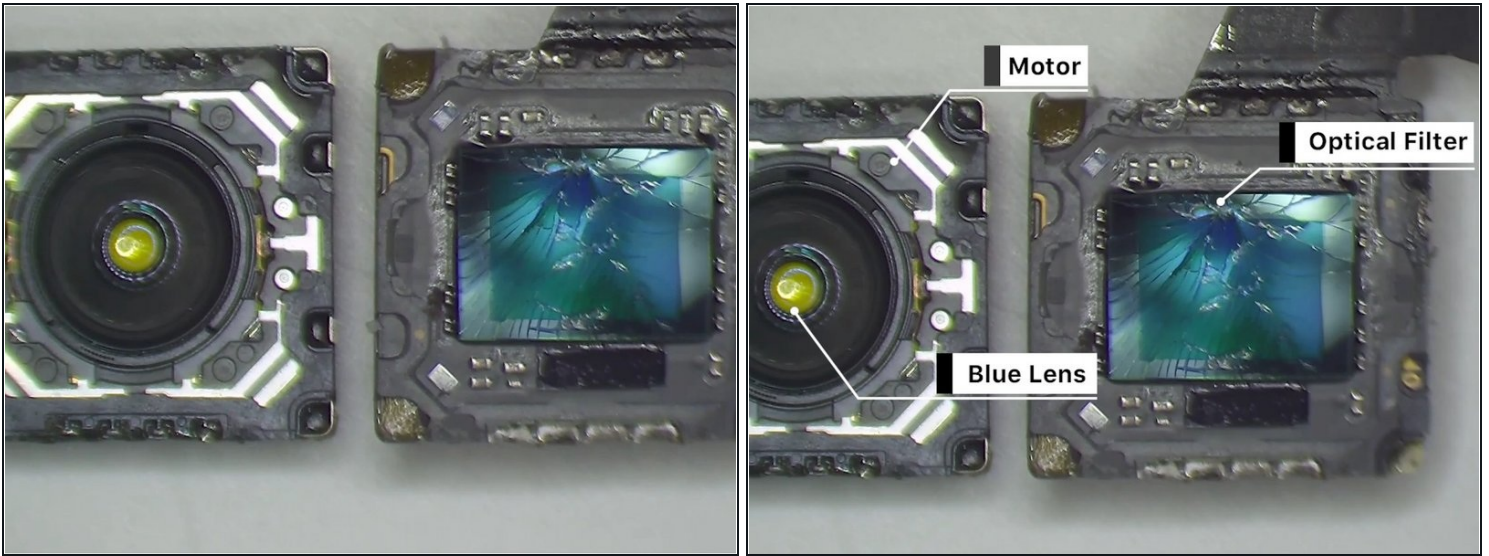
- We can judge that the optical filter of the wide-angle camera is damaged. Then we disassemble the phone and try to repair the camera. First of all, put the camera on the specialized Heating Platform at 100 °C.
- When the temperature reaches 100 °C, remove black adhesive around the camera with a Sculpture Knife. Then pry up the wide-angle camera.
- Attach the camera to the specialized holder. Before repair, apply protection tape to the camera.

Step 3



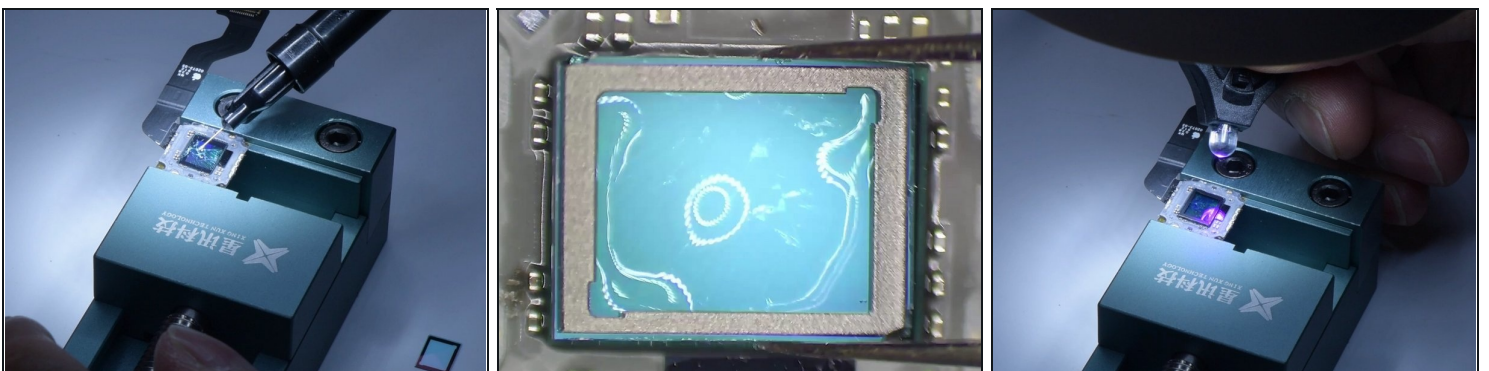
- Separate the camera edges with a Sculpture Knife. Next, remove the metal cover with Hot Air Gun at 120 °C.
- Keep heating with Hot Air Gun at 120 °C. Remove black adhesive with [Tweezers](#). Apply some Paste Flux.
- Separate the motor from the CMOS with ultrathin Soldering Iron at 380 °C

Step 4



- It can be seen that the optical filter is broken while the motor and blue lens are good. If the motor is damaged, the camera will fail to focus or shake. A motor replacement can help you solve the problem.
- The middle part of the motor is the blue lens. If the blue lens is damaged, the camera will become blurry. The solution is to replace the blue lens.
- Then we replace the cracked optical filter with a new one.

Step 5



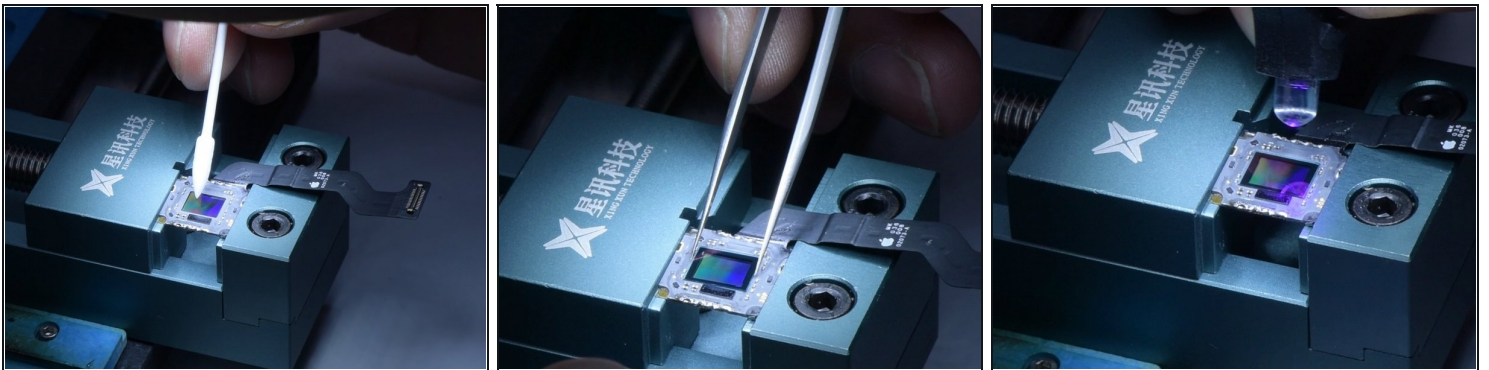
- Apply some UV adhesive to the broken optical filter.
- Put the new optical filter in position.
- Solidify with a UV Lamp.

Step 6



- Remove side adhesive with Hot Air Gun.
- Then push the cracked optical filter out with the specialized holder.
- Remove residual shards and black adhesive with Hot Air Gun.

Step 7



- Then remove dust spots with a specialized swab. Please be extremely careful not to damage the CMOS during operation. If the CMOS is damaged, the camera will be unrepairable.
- Then apply some UV adhesive and a new optical filter. Solidify with UV Lamp.

Step 8



- Then we assemble the camera. Apply some Paste Flux around the motor. Solder the motor with the CMOS with Soldering Iron. Clean the camera with alcohol.
- Next, we install the wide-angle camera for testing. The camera works fine. Apply B7000 to fix the wide-angle camera. That's all for the optical filter replacement of iPhone camera.

To reassemble your device, follow these instructions in reverse order.