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iPhone 11 Pro Teardown

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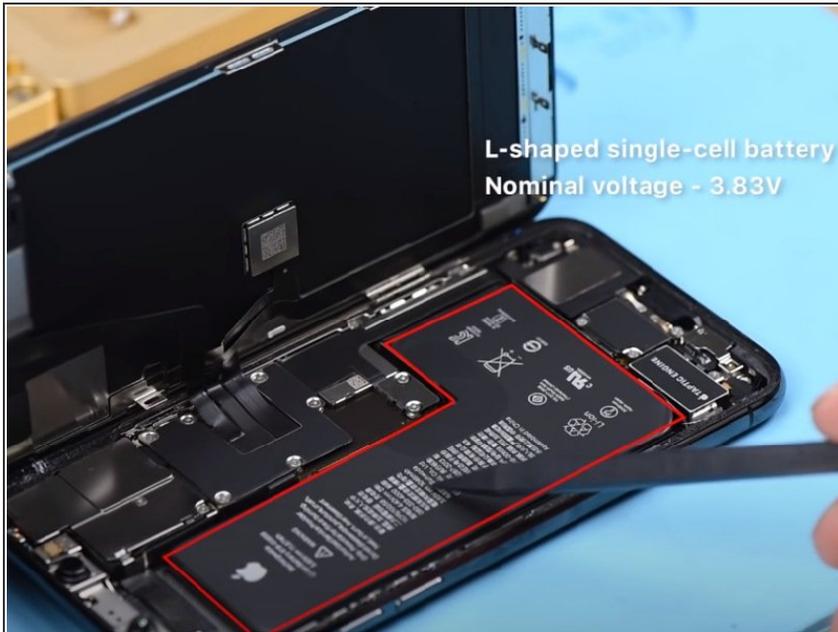Written By: Phryne

INTRODUCTION

As the old saying goes, laymen are overwhelmed by the fun, while professionals try to find out the trick. Apple has impressed the repair industry again with its new iPhone series. What does the new design mean to our repair work?

Step 1 — iPhone 11 Pro Teardown

- Remove the two pentalobe screws at the bottom edge of the phone. Heat with the Hot Air Gun along edges of the screen evenly for 1 minute to soften up the waterproof seals.

- Press the suction cup firmly onto the screen. Hold the phone with one hand and pull the ring-pull of the suction cup with the other hand.

- When the screen is lifted, there should be a tiny gap. Insert a plastic pry piece into the gap to get it stuck in the middle. Insert a new pry piece into the gap and slide along edges of the screen to free the screen from the rear housing.

- ⓘ Tips: the pry piece shouldn't go too deep inside and we should swing the screen up from the left side. Otherwise, flex cables on the screen might be damaged

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Step 2 — Battery

- iPhone 11 Pro has a bigger battery capacity than iPhone X series. We can see clearly that the battery is a little thicker.

- There is a newly added module on the charging port flex cable. Therefore, the Taptic Engine of iPhone 11 Pro is smaller than iPhone X series.

Step 3 — iPhone 11 Pro Teardown

- Continue to remove the connector bracket.

- Disconnect the battery and remove the screen. The lack of the 3D touch layer of iPhone 11 Pro makes the screen slightly slimmer. The newly added bracket protection on the bonding area of the screen also increases the difficulty of screen repair.

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- Unlike iPhone X series, Face ID flex cables of iPhone 11 Pro are no longer trapped under the battery. They are arranged between the

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battery and the motherboard. Which
makes the removal much easier
than before

Step 4 — Face ID Parts

- Continue to disconnect the rest flex cables and take out the motherboard.

- Remove the Face ID parts. iPhone 11 Pro's Face ID parts is designed just like iPhone X series. So it can still be hardly repaired once malfunctioned

Step 5 — The newly added module

- Continue to remove the shielding cover on the newly added module. We can see that there are four flex cables connected to the module.

- One is the flex cable of the Taptic Engine. One is the flex cable of the battery. One is the flex cable of the wireless charging coil. And one is the flex cable of the speaker.

Step 6

- To fully understand Face ID, check Face ID Teardown - Why Face ID Not Working After Repair.

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