



Huawei Mate 20 Pro Loudspeaker with Daughterboard Replacement

prereq only Loudspeaker /Daughterboard

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INTRODUCTION

prereq only Loudspeaker /Daughterboard

TOOLS:

- Phillips #00 Screwdriver (1)
- iOpener (1)
- Suction Handle (1)
- iFixit Opening Picks set of 6 (1)
- Spudger (1)
- ESD Safe Tweezers Blunt Nose (1)
- Tweezers (1)

PARTS:

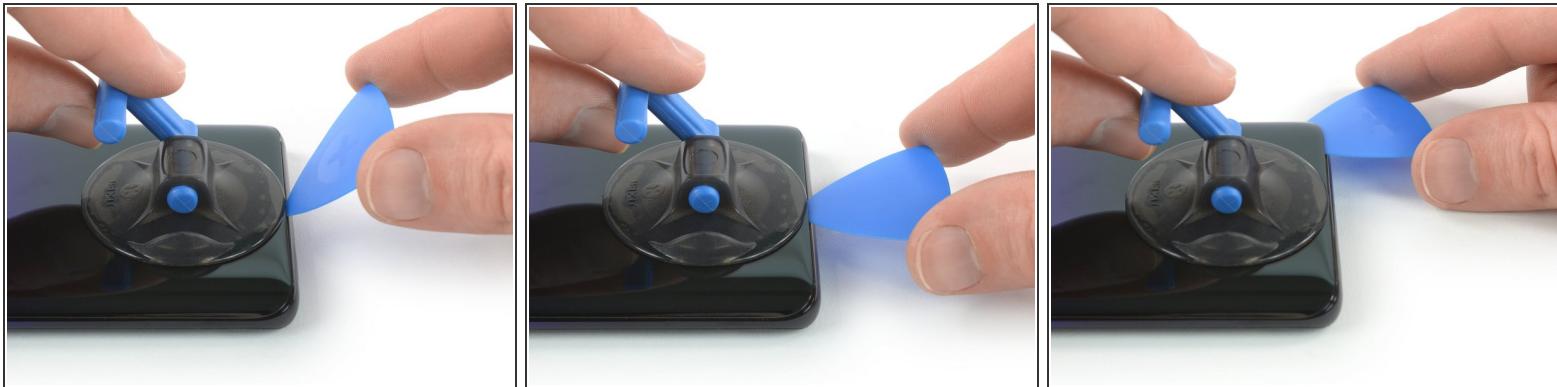
- Tesa 61395 Tape (1)

Step 1 — Rear Glass



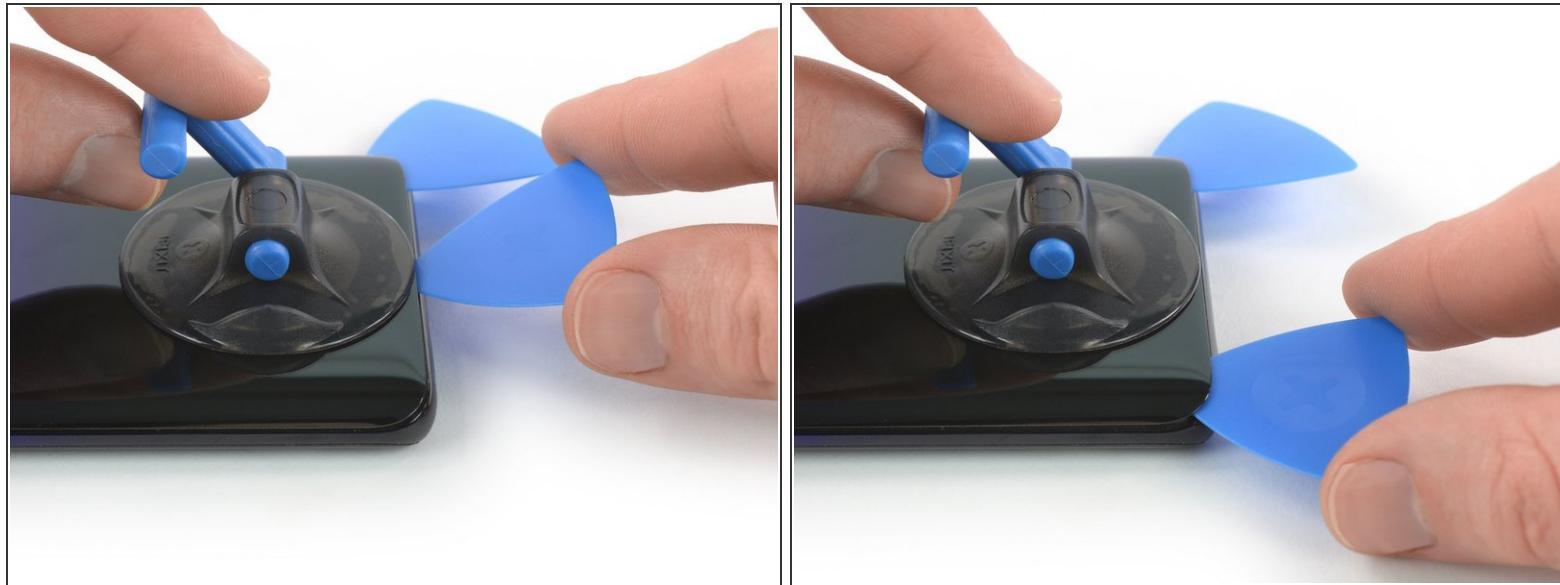
- Before you begin, switch off your phone.
- Apply a [heated iOpener](#) to the back of the phone to loosen the adhesive beneath the back cover. Apply the iOpener for at least two minutes.

Step 2



- Secure a suction handle to the bottom of the back cover, as close to the edge as possible.
 - If the phone's rear glass is cracked, the suction handle may not stick. Try [lifting it with strong tape](#), or superglue the suction handle in place and allow it to cure so you can proceed.
- Lift the back cover with the suction handle to create a small gap between the cover and the frame.
- Insert an opening pick into the gap.
 - If you have trouble, apply more heat to further soften the adhesive. Follow the iOpener instructions to avoid overheating.
- Slide the opening pick to the bottom right corner.

Step 3



- Insert a second opening pick and slide it to the bottom left corner to cut the adhesive.
- Leave the opening picks in place to prevent the adhesive from resealing.

Step 4



- Insert a third opening pick at the bottom left corner.
- Slide the tip of the opening pick from the bottom left corner along the side of the phone to cut the adhesive.
- Leave the opening pick in its place at the top left corner to prevent the adhesive from resealing.

Step 5



- If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) to reheat it.
- Insert a fourth opening pick under the top left corner of the back cover.
- Slide the opening pick along the top edge of the phone to cut the adhesive.
- Leave the opening pick in the top right corner to prevent the adhesive from resealing.

Step 6



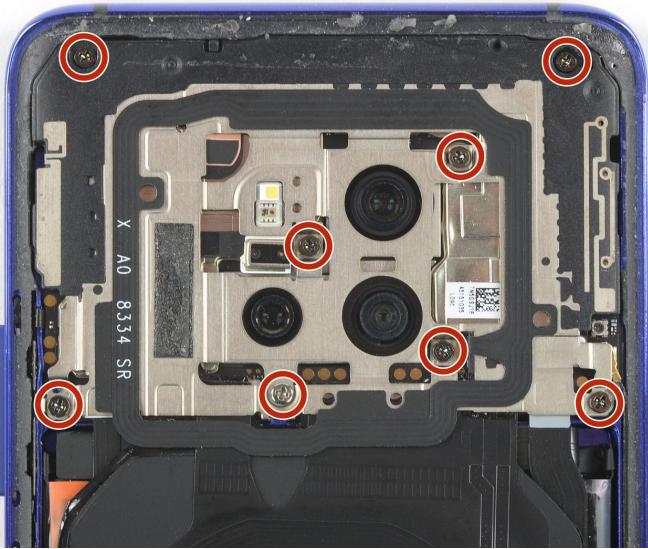
- Insert a fifth opening pick at the top right corner of the phone.
- Slide the opening pick along the right side to cut the remaining adhesive.

Step 7



- Lift and remove the back cover.
- ★ Before installing fresh adhesive and reassembling, remove any remaining adhesive from the phone, and clean the glued areas with isopropyl alcohol and a lint-free cloth.
- ★ During reassembly, this is a good point to power on your phone and test all functions before sealing it up. Be sure to power your phone back down completely before you continue working.
- ★ Secure the new back cover with pre-cut adhesive or double-sided adhesive tape. [After installing the rear glass](#), apply pressure for several minutes to help the adhesive form a good bond, such as by placing it under a stack of heavy books.

Step 8 — Motherboard Cover with NFC & Charging Coil



- Remove the eight Phillips #00 screws (4.3 mm length).

Step 9



- Slide an opening pick under the black adhesive at the bottom left of the charging coil.
- Carefully slide the opening from the left to the right side to loosen the adhesive.

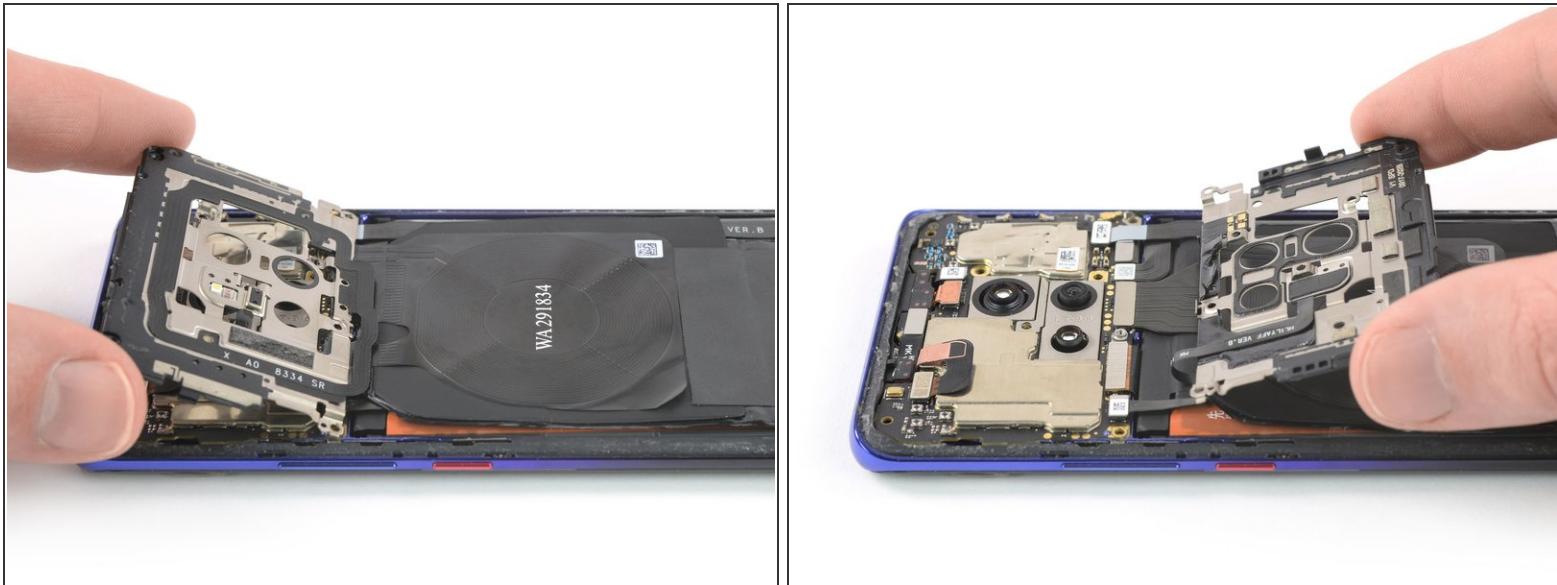
Step 10



- Insert an opening pick under the bottom left corner of the motherboard cover.
- Use the opening pick to pry up the motherboard cover.

⚠ Do not try to remove the motherboard cover all the way yet. The flex cable of the flash assembly is still connected to the motherboard.

Step 11



- Carefully fold the motherboard cover in the direction of the battery.

⚠ Take special care to avoid ripping the flash assembly flex cable as it is still connected to the motherboard.

Step 12

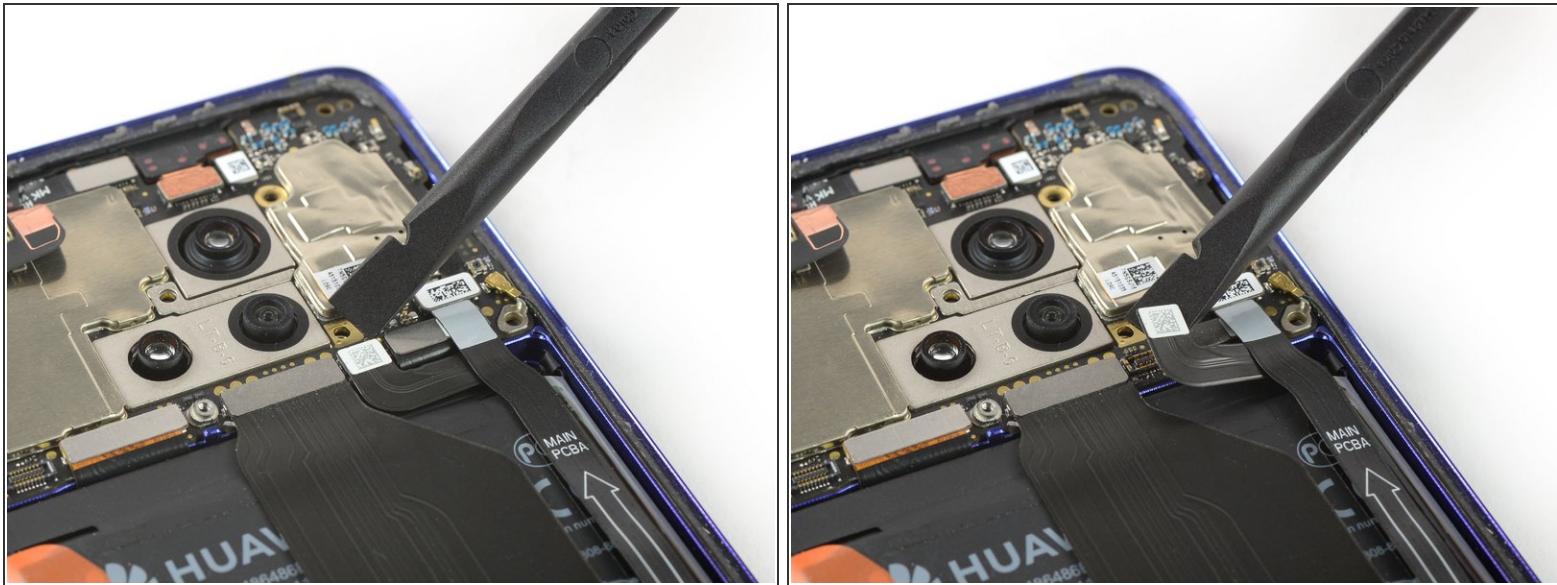


- Use a spudger to pry up and disconnect the flash assembly flex cable.

📌 When you disconnect connectors like these, be careful not to dislodge the small surface-mounted components surrounding the socket.

- Remove the motherboard cover including the NFC and charging coil.

Step 13 — Battery Disconnect



- Use a spudger to pry up and disconnect the battery connector.

Step 14 — Daughterboard Cover



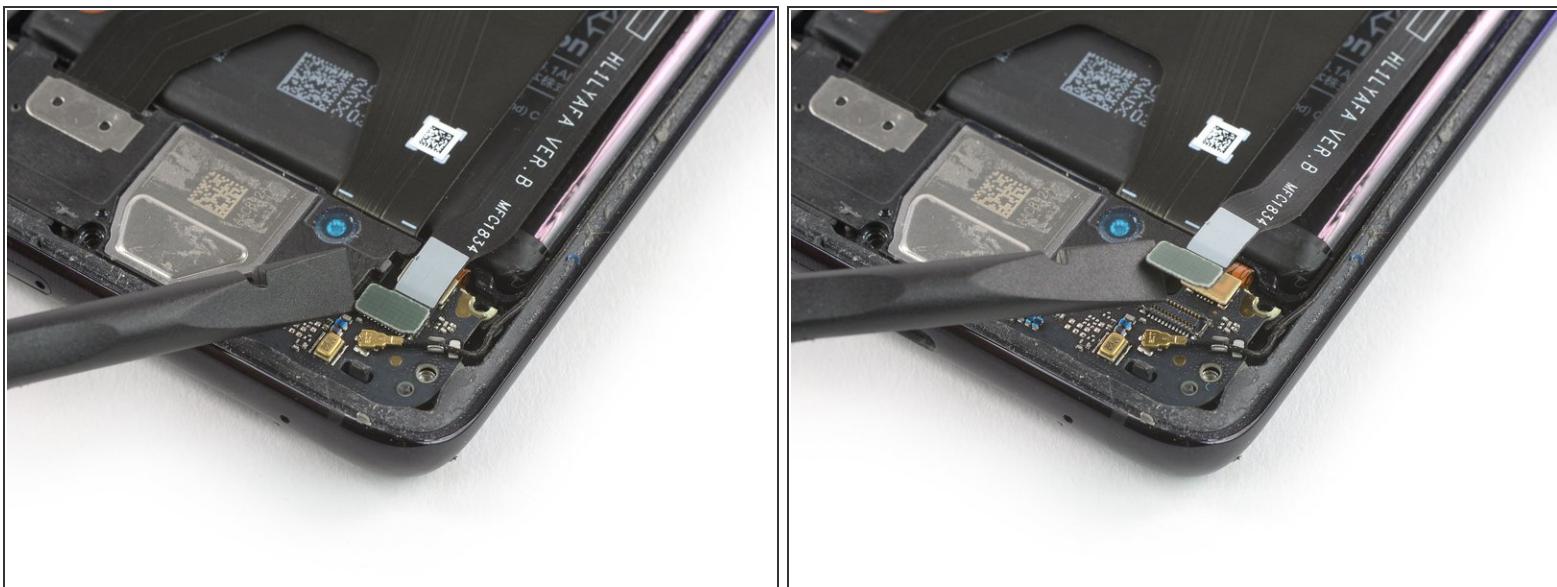
- Remove the three Phillips #00 screws (4.3 mm length).
- If you want to remove or replace the loudspeaker, daughterboard, battery, or the OLED screen, remove the four Phillips #00 screws (4.3 mm length) which hold down the loudspeaker assembly.

Step 15



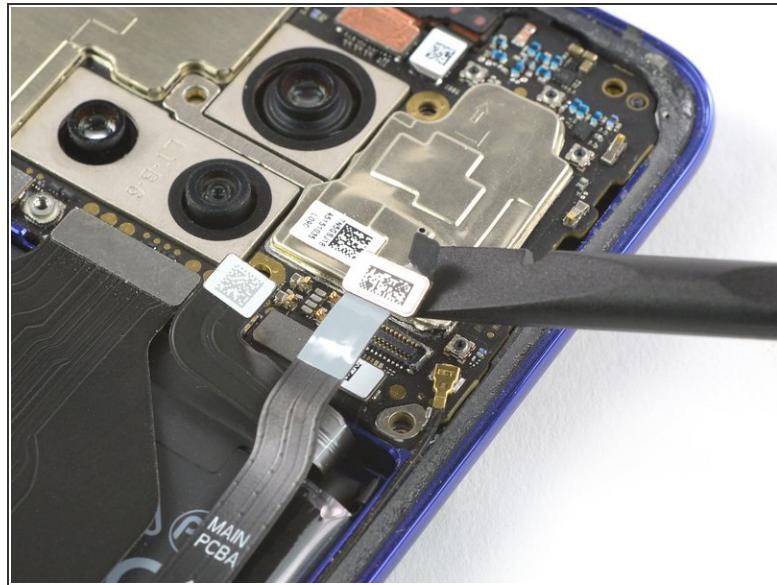
- Slide an opening pick under the top right corner of the daughterboard cover.
- Use the opening pick to pry up the daughterboard cover. Remove the daughterboard cover with tweezers.

Step 16 — Loudspeaker & Daughterboard



- Use a Spudger to pry up and disconnect the interconnect flex cable from the daughterboard.

Step 17



- Use a Spudger to pry up and disconnect the interconnect flex cable from the motherboard.
- Remove the interconnect flex cable.

Step 18



- Use a pair of tweezers to pry up and disconnect the connector of the black coax cable from the daughterboard.
- Unroute the black coax cable from the metal clip on the daughterboard and fold it to the side.

Step 19



- Slide an opening underneath the top left corner of the loudspeaker cover.
- Use the opening pick to pry up the loudspeaker and daughterboard assembly.

Step 20



- Remove the loudspeaker and daughterboard assembly.

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