



# MacBook Air 13" Late 2020 Touch ID Sensor Replacement

Use this guide to replace the Touch ID...

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## INTRODUCTION

Use this guide to replace the Touch ID sensor/power button in a Late 2020 MacBook Air (M1).

**Note that Touch ID will not function after replacing the Touch ID sensor.** The MacBook's original Touch ID sensor is uniquely paired to the logic board at the factory—and without Apple's proprietary calibration process, even a genuine replacement Touch ID sensor from another MacBook Air won't work.

If you replace the Touch ID sensor, you must [install a paired logic board](#) to retain Touch ID functionality.

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### TOOLS:

T5 Torx Screwdriver (1)  
P5 Pentalobe Screwdriver Retina MacBook Pro and Air (1)  
Spudger (1)  
Tweezers (1)  
T3 Torx Screwdriver (1)  
T4 Torx Screwdriver (1)

### PARTS:

MacBook Air 13" (A2337, Late 2020) 8-Core 3.2 GHz CPU 7-Core GPU Logic Board with Paired Touch ID Sensor (1)

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## Step 1 — Remove the screws securing the lower case



- ⓘ Before starting this procedure, you should disable your Mac's **Auto Boot** feature. Auto Boot powers on your Mac when you open the lid, and may be accidentally triggered during disassembly. [Use this guide](#) to disable Auto Boot.
- If your MacBook is running Big Sur v11.1 or later, disabling Auto Boot may not work. You can proceed normally, but make sure to disconnect the battery as soon as you're inside.

⚠ **Completely power off and unplug your MacBook before you start. Close the display and flip the entire laptop upside-down.**

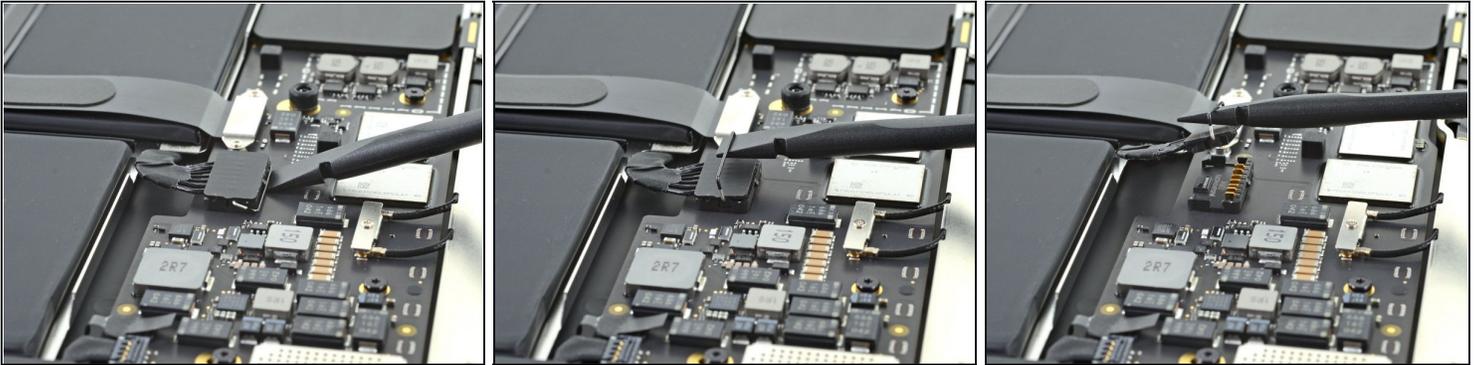
- Use a P5 driver to remove the following screws:
  - Two 7.9 mm screws
  - Two 7.3 mm screws
  - Six 2.6 mm screws
- ⓘ Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from to avoid damaging your MacBook.

## Step 2 — Remove the lower case



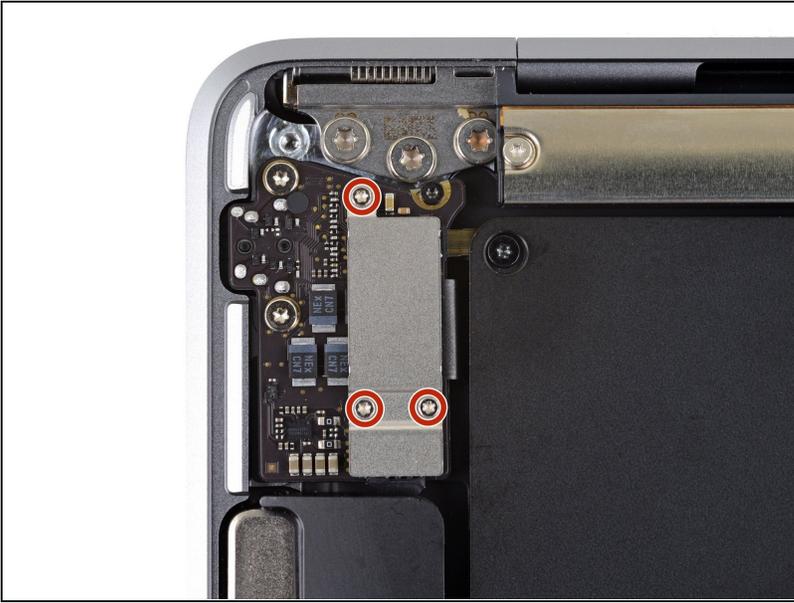
- Wedge your fingers between the display and the lower case and pull upward to pop off the lower case.
  - Remove the lower case.
- To reinstall the lower case:
- Set it in place and press firmly to engage the two hidden clips underneath. You should feel and hear them snap into place.

### Step 3 — Disconnect the battery



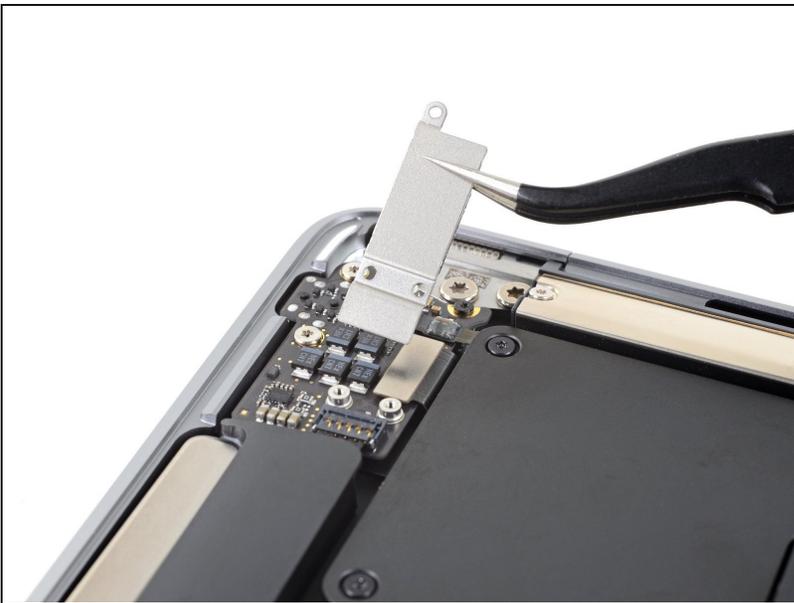
- Use the flat end of a spudger to pry up and unlatch the metal locking arm on the battery connector.
  - ⚠ Make sure the metal arm is completely free of the locking tab before lifting the battery connector. The metal locking arm should easily unlatch.
- Lift straight up on the metal locking arm to pull the battery connector out of its socket on the logic board.
- ☑ During reassembly, press the battery connector straight down into its socket, making sure it sits flush within the socket.
  - If necessary, push the rear, wire side of the connector into place first, then rock the front of the connector into place.

## Step 4 — Remove the audio board connector cover



- Use a T3 Torx driver to remove the three 1.4 mm screws securing the audio board connector cover.
- ⓘ If your T3 bit feels a bit too loose, you may need to use a T4.

## Step 5



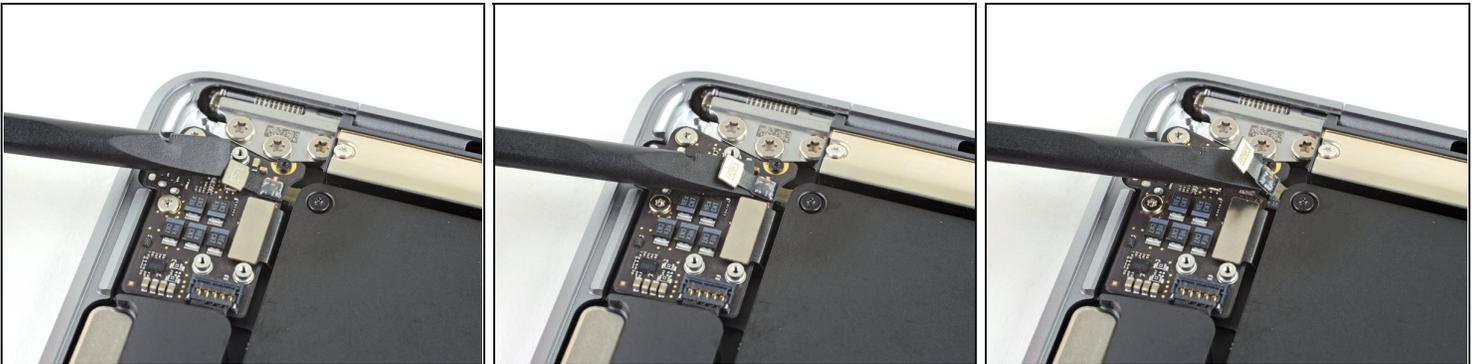
- Remove the audio board connector cover.

## Step 6 — Disconnect the speaker



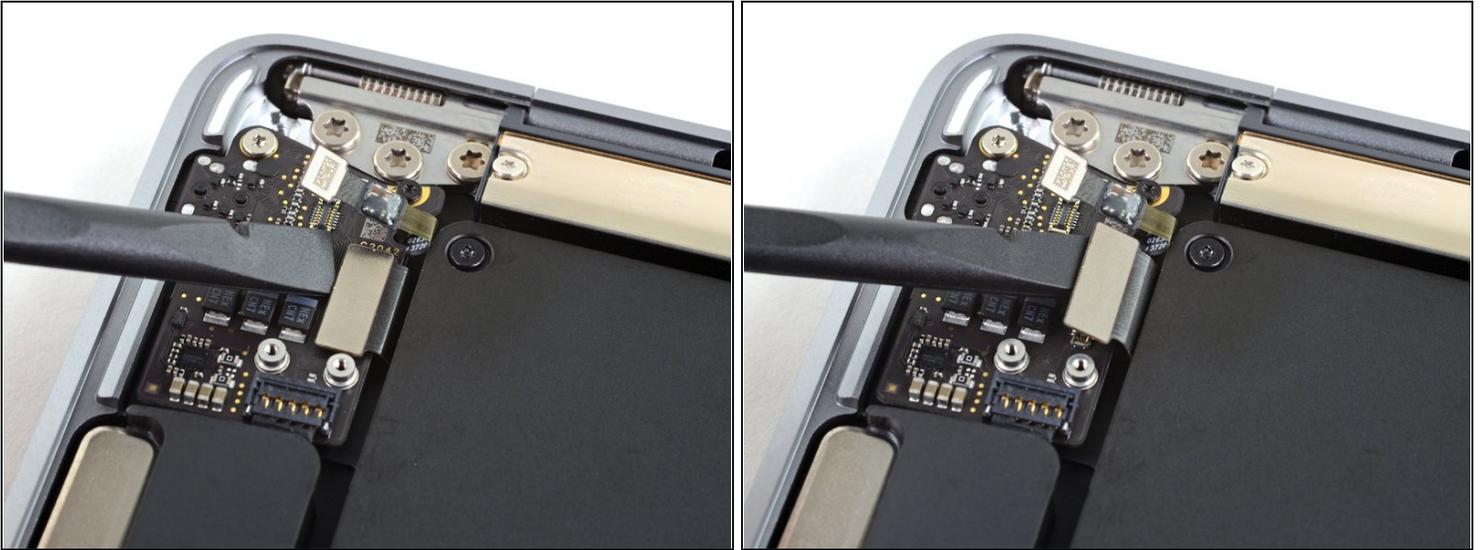
- Slide the pointed end of a spudger underneath the speaker cable and pry straight up to disconnect it.

## Step 7 — Disconnect the Touch ID cable



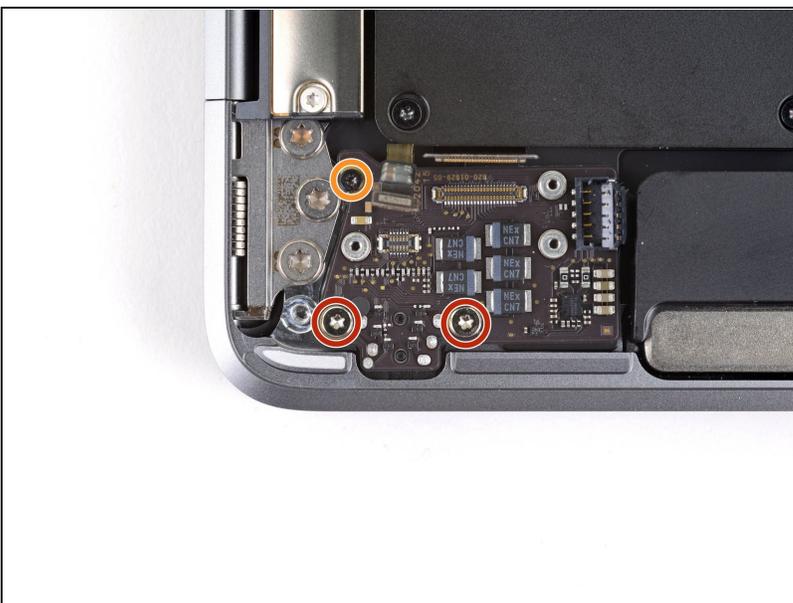
- Use the flat end of a spudger to pry the Touch ID cable straight up to disconnect it from the audio board.
- Continue to slide the spudger underneath the Touch ID cable to release it from the audio board.
- ⓘ The Touch ID cable is secured to the audio board with some light adhesive.

## Step 8 — Disconnect the audio board cable



- Use the flat end of a spudger to pry the audio board connector straight up to disconnect it from the board.
- ☑ To re-attach [press connectors](#) like this one, carefully align and press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is misaligned, the pins can bend, causing permanent damage.

## Step 9 — Remove the audio board screws



- Remove the three screws securing the audio board:
  - Two 4.8 mm T5 Torx screws
  - One 2.5 mm T3 Torx screw

## Step 10 — Remove the audio board



- Use a spudger to pry the audio board out of the upper case until you can grip it with your fingers.
- Remove the audio board.

## Step 11 — Remove the Touch ID sensor screws



- Use a T3 Torx driver to remove the six 1.6 mm screws securing the Touch ID sensor and its bracket.
- ☑ During reassembly, if you want your Touch ID button to be straight, don't tighten down the six screws until you adjust its position on the keyboard.

## Step 12 — Remove the Touch ID bracket



- Remove the Touch ID sensor bracket.
- ☑ During reassembly, make sure the sensor bracket is [oriented correctly](#).

## Step 13 — Remove the Touch ID sensor



- Turn the MacBook right-side up and open the display.
- Remove the Touch ID sensor.

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Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

**To reassemble your device, follow the above steps in reverse order.**

**Once you've completed your repair, your laptop may not power back on until connected to power.**

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Check out our [Answers community](#) for troubleshooting help.