



MacBook Air 11" Late 2010 Microphone Replacement

Replace a blown microphone on your MacBook Air 11" Late 2010.

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INTRODUCTION

Use this guide to replace a damaged microphone.



TOOLS:

- [P5 Pentalobe Screwdriver Retina MacBook Pro and Air](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)



PARTS:

- [MacBook Air 11" \(Late 2010/Mid 2011\) Microphone](#) (1)

Step 1 — Lower Case



- ✦ Before proceeding, close your computer and lay it on a soft surface top-side down.
- Remove the following ten screws:
 - Two 8 mm 5-point Pentalobe screws
 - Eight 2.5 mm 5-point Pentalobe screws
- ⓘ The special screwdriver needed to remove the eight 5-point Pentalobe screws can be found [here](#).

Step 2



- Wedge your fingers between the display and the lower case and pull upward to pop the lower case off the Air.
- Remove the lower case and set it aside.

Step 3 — Battery



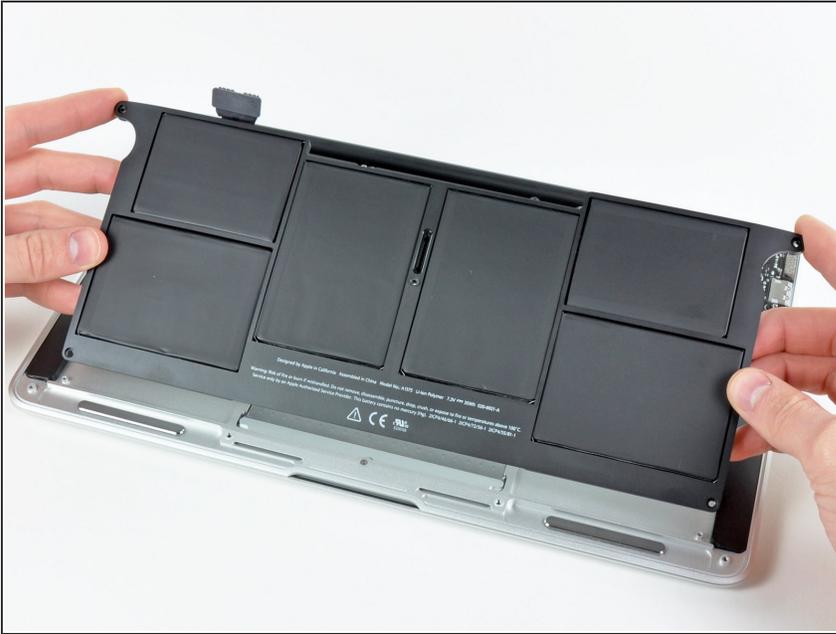
- Use the flat end of a spudger to pry both short sides of the battery connector upward to disconnect it from its socket on the logic board.
- Bend the battery cable slightly away from the logic board so the connector will not accidentally contact its socket.

Step 4



- Remove the following five screws securing the battery to the upper case:
 - Two 5.2 mm T5 Torx screws
 - One 6 mm T5 Torx screw
 - Two 2.6 mm T5 Torx screws

Step 5



-  When handling the battery, avoid squeezing or touching the six exposed lithium polymer cells.
- Lift the battery from its edge nearest the logic board and remove it from the upper case.
-  If you're installing a new battery, you should [calibrate](#) it after installation:
 - Charge it to 100%, and then keep charging it for at least 2 more hours. Next, unplug and use it normally to drain the battery. When you see the low battery warning, save your work, and keep your laptop on until it goes to sleep due to low battery. Wait at least 5 hours, then charge your laptop uninterrupted to 100%.
 - If you notice any unusual behavior or problems after installing your new battery, you may need to [reset your MacBook's SMC](#).

Step 6 — Left Speaker



- Use the flat end of a spudger to pry the I/O board cable connector upward out of its socket on the I/O board.

Step 7



- Use the tip of a spudger to flip up the retaining flap on the microphone ribbon cable ZIF socket.
- ⚠ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.
- Pull the microphone ribbon cable straight out of its socket.

Step 8



- Use the tip of a spudger to de-route the left speaker cable from the notch cut into the edge of the I/O board.

Step 9



- Use the flat end of a spudger to pry the left speaker connector up and out of its socket on the I/O board.
- ⓘ Pry upward from beneath the wires.

Step 10



- Use the flat end of a spudger to pry the left speaker off the adhesive securing it to the upper case.
- ⚠ Only pry up on the speaker from the areas of bare aluminum on the upper case. Prying up from the keyboard area may damage the keyboard and the speaker itself.
- Remove the left speaker from the upper case.

Step 11 — Microphone



- Use the tip of a spudger to pry the microphone away from the side of the upper case.
- Remove the microphone from the upper case.

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