MacBook Air 11" Late 2010 I/O Board Replacement

Replace the I/O board on your MacBook Air 11" Late 2010. The I/O board integrates the MagSafe DC-In socket, a USB port, and the headphone jack onto one board.

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INTRODUCTION

Use this guide to replace the I/O board to remedy a broken headphone jack, left USB port, or MagSafe DC-In socket.

TOOLS:

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

PARTS:

- MacBook Air 11" (Late 2010) I/O Board (1)

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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
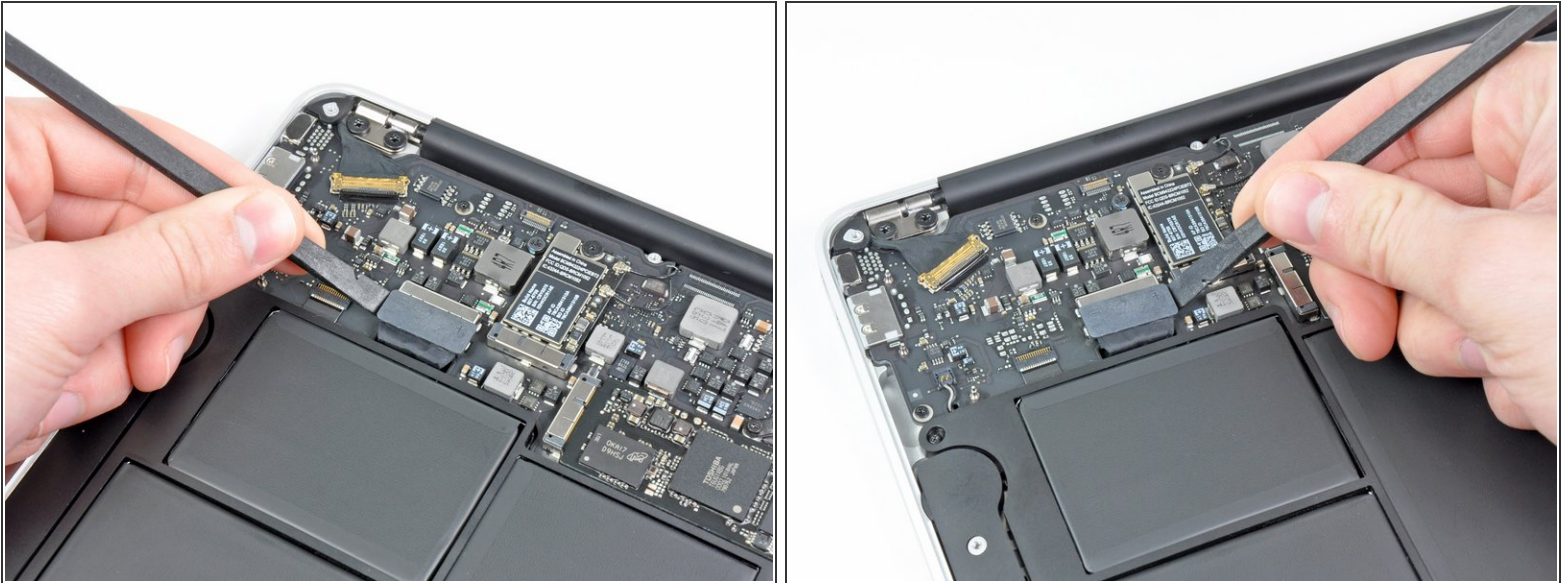
  ● Eight 2.5 mm 5-point Pentalobe screws

ⓘ 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.
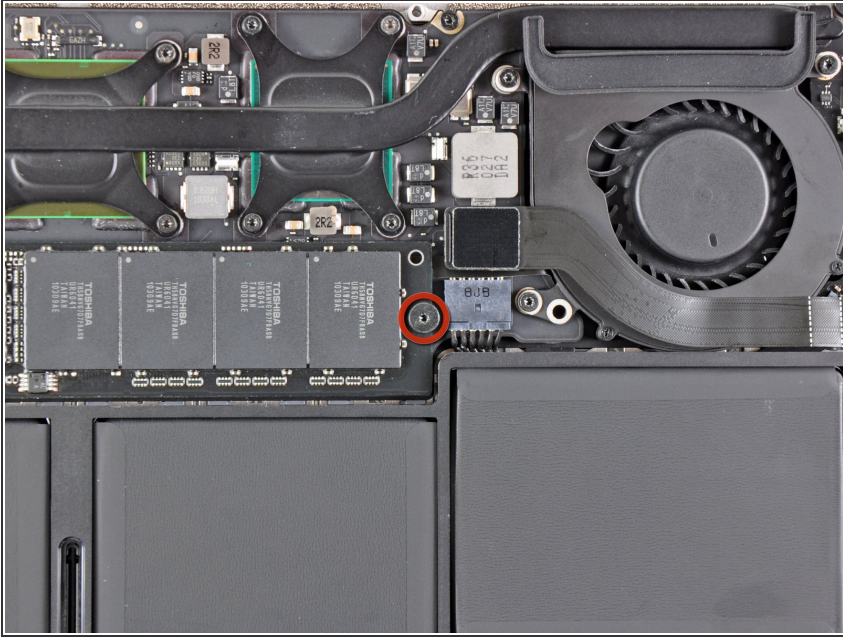
● Remove the lower case and set it aside.

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Step 3 — Battery

⚠️ In this step you will disconnect the battery to help avoid shorting out any components during service.
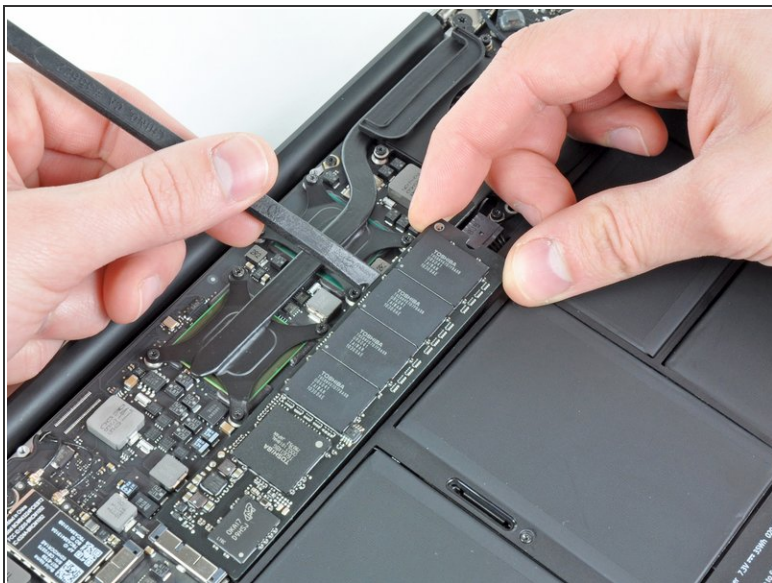
- Use the flat end of a spudger to pry both short sides of the battery connector upward to disconnect it from its socket on the logic board.

- Bend the battery cable slightly away from the logic board so the connector will not accidentally contact its socket.

Step 4 — Solid-State Drive

- Remove the single 2.9 mm T5 Torx screw securing the SSD to the logic board.

Step 5

- Use a spudger to help lift the free end of the SSD just enough to grab it with your other hand.

⚠️ Do not lift the end of the SSD excessively.

- Pull the drive straight out of its socket and remove it from the logic board.
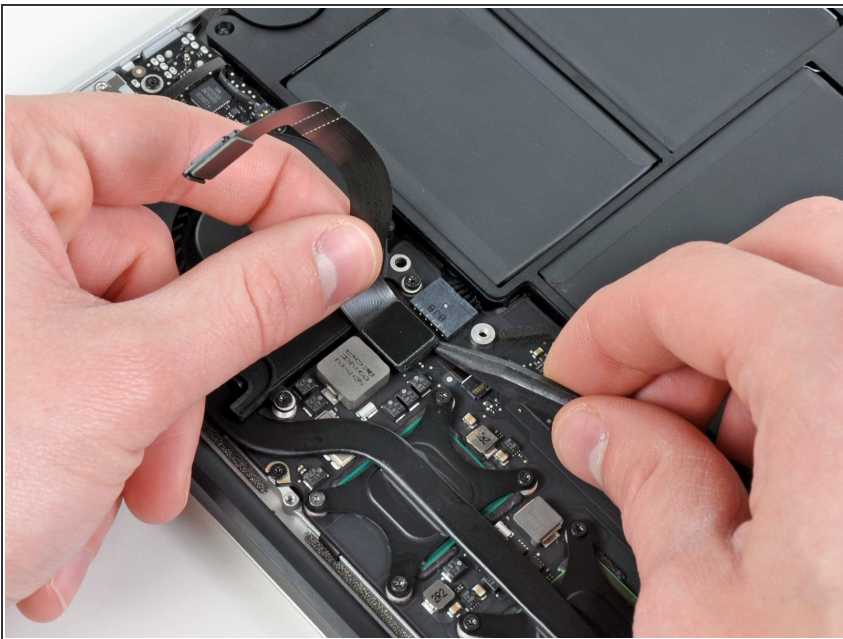
📌 When reinstalling the SSD, be sure it is properly seated before reinstalling its retaining screw.

Step 6 — I/O Board Cable

- 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

- ⚠️ The following connector has an especially deep socket. Use care when disconnecting it.

- While gently pulling the I/O board cable upward near its connection to the logic board, use the tip of a spudger to pry upward on alternating sides of the connector to help "walk" it out of its socket.
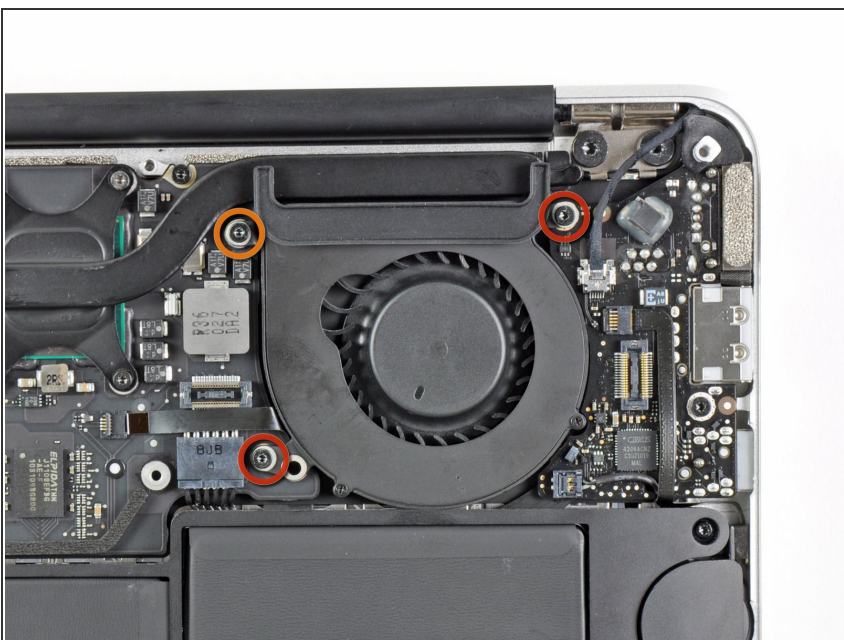
- Remove the I/O board cable.

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Step 8 — Fan

- Use the tip of a spudger to carefully flip up the retaining flap on the fan cable ZIF socket.

- ⚠️ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.
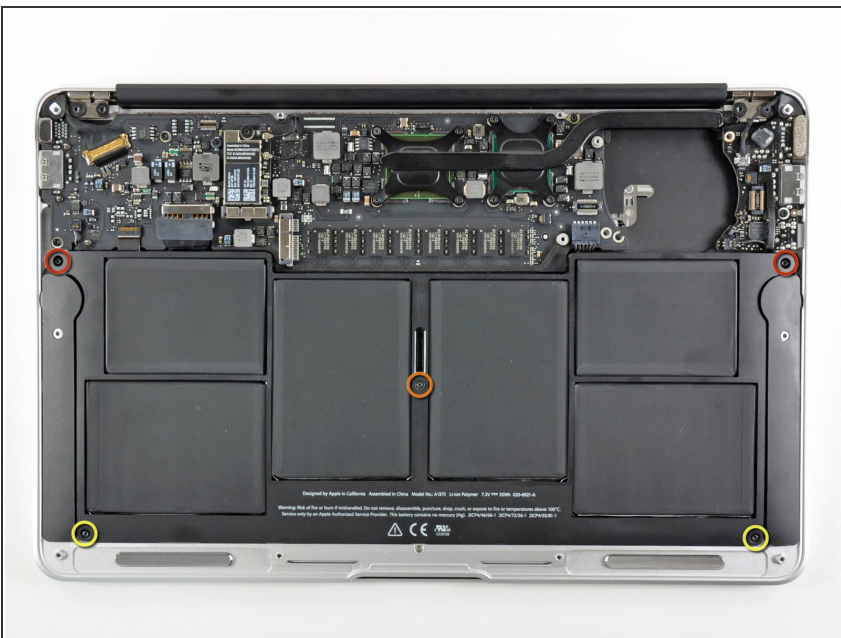
Step 9

- Remove the following three screws securing the fan to the upper case:
  - Two 5.2 mm T5 Torx screws
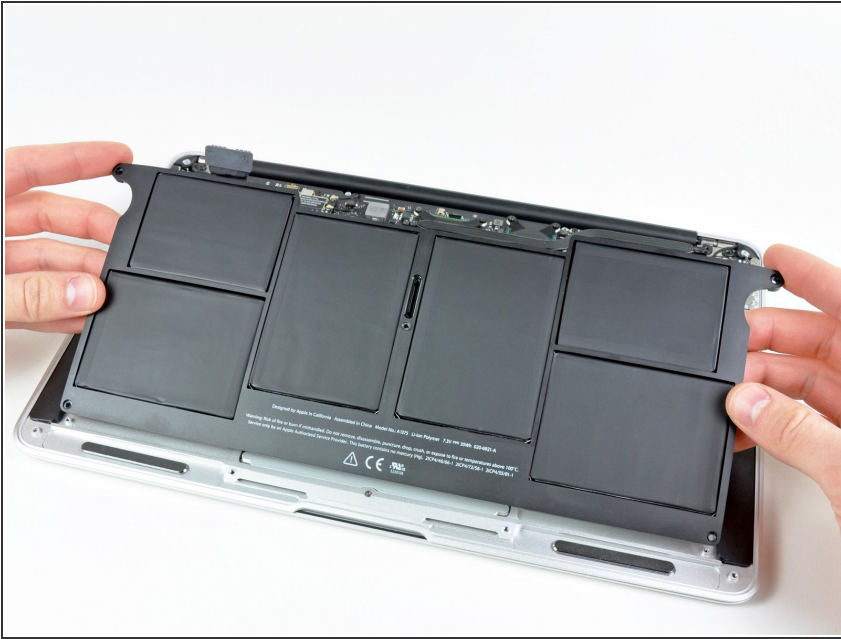 - One 3.6 mm T5 Torx screw

Step 10

- Lift the fan out of the upper case and carefully pull the fan ribbon cable out of its socket as you remove it from the Air.

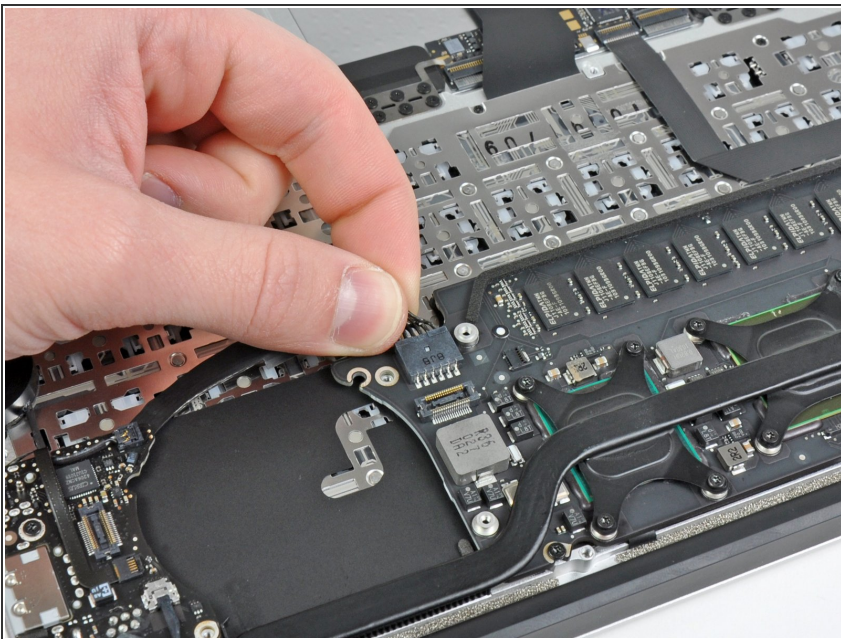## Step 11 — I/O Board

- 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

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Step 12

⚠️ Do not touch or squeeze the six lithium polymer cells when handling the battery.

● Lift the battery from its edge nearest the logic board and remove it from the upper case.

Step 13

● Disconnect the I/O board by pulling the power cable away from its socket on the logic board.

ⓘ Pull the cable parallel to the face of the logic board toward the front edge of the Air.

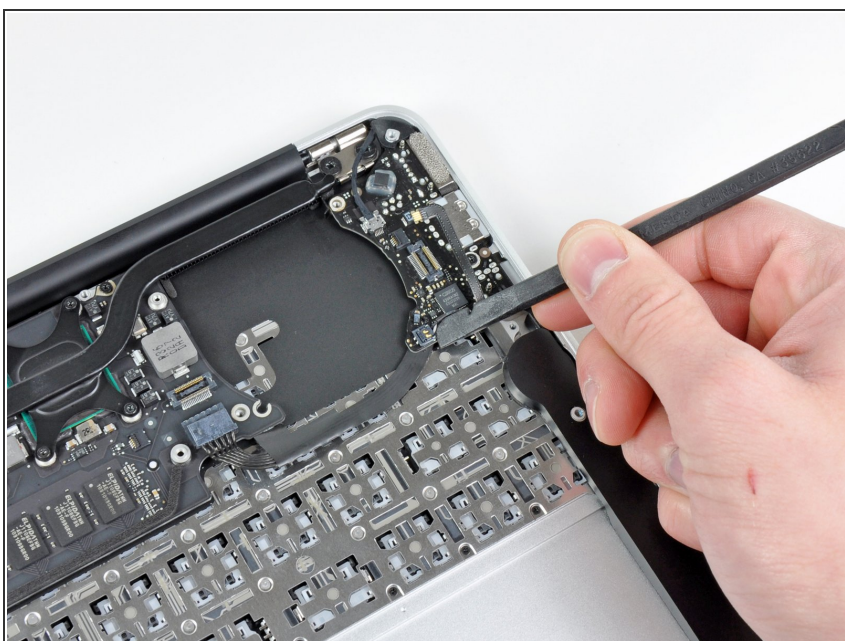This document was generated on 2020-11-17 02:25:37 AM (MST).

Step 14

- Use the tip of a spudger to carefully flip up the retaining flap on the microphone cable ZIF socket.

⚠️ Be sure you are prying up on the retaining flap, **not** the socket itself.

- Pull the microphone ribbon cable straight out of its socket.
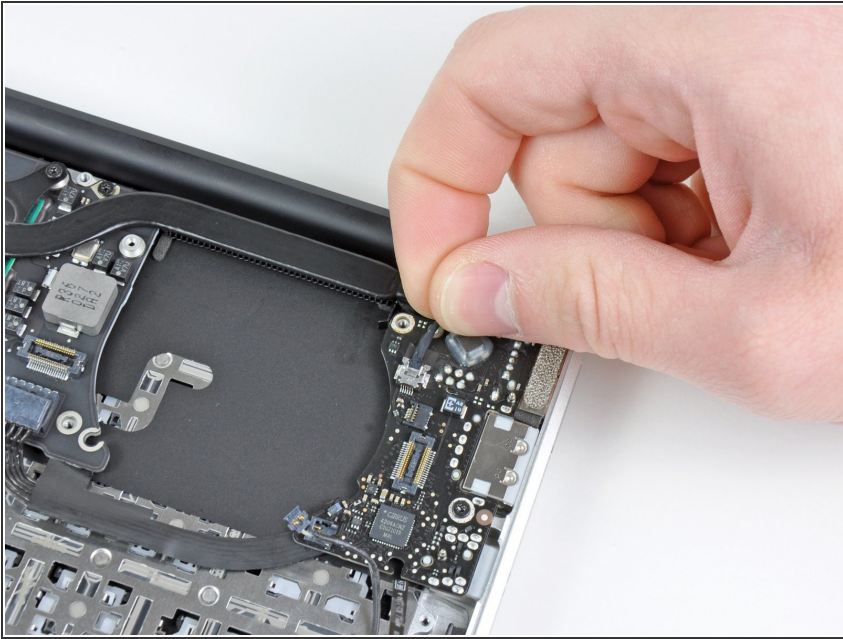
Step 15

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

ⓘ Pry up from beneath the wires.

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Step 16

- Pull the camera cable parallel to the face of the I/O board toward the rear edge of the Air to disconnect it from its socket.

⚠️ Do not lift upward on this cable as you disconnect it, as its socket may break off the logic board.

Step 17

- Remove the small rubber gasket from the corner of the upper case nearest the I/O board.

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Step 18

- Remove the single 3.6 mm T5 Torx screw securing the I/O board to the upper case.

Step 19

- Carefully lift the I/O board from its edge nearest the logic board and remove it from the upper case.

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

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