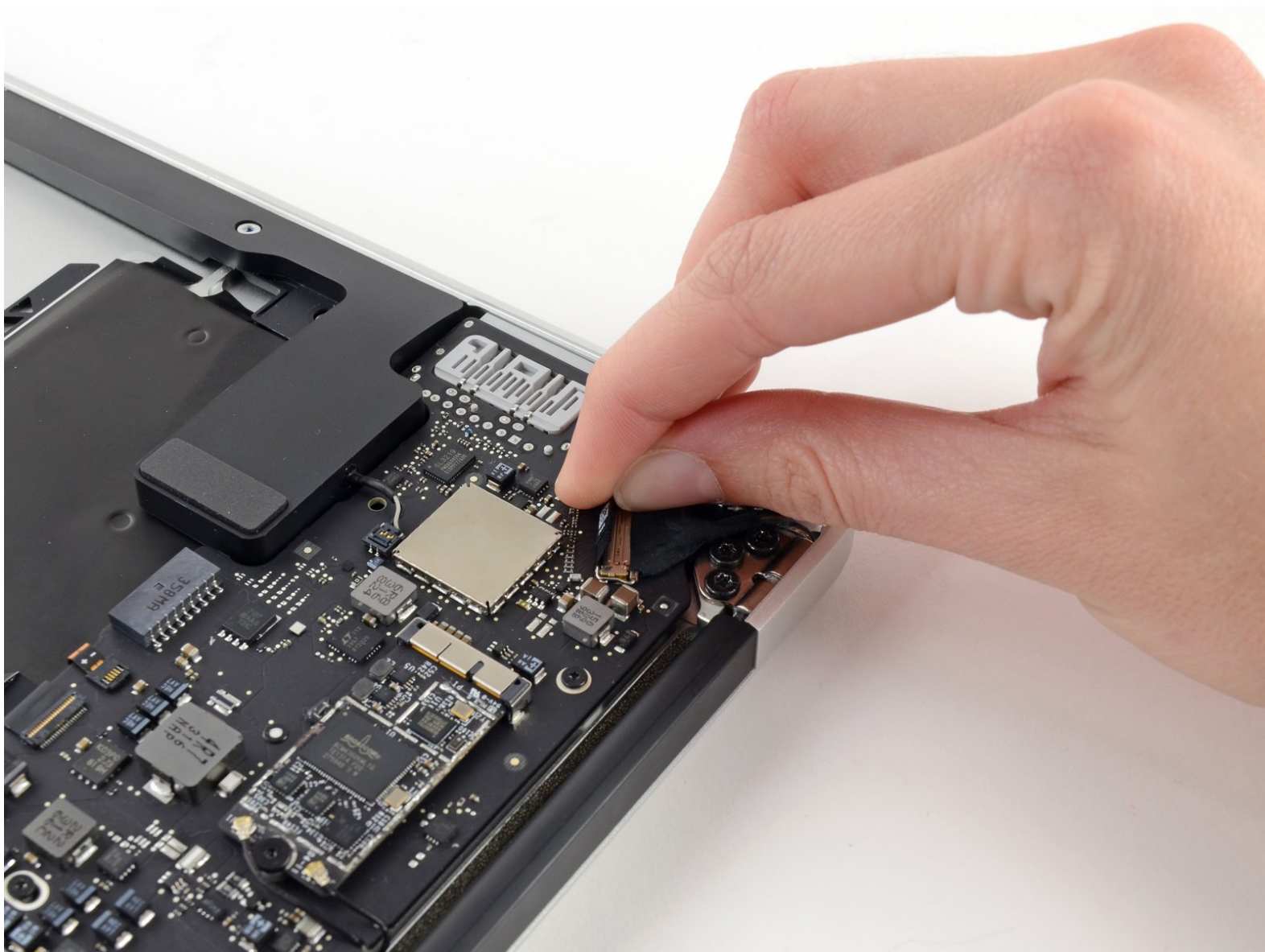




# MacBook Air 13" Mid 2013 Logic Board Assembly Replacement

Internal Prerequisite.

Written By: Walter Galan



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# INTRODUCTION

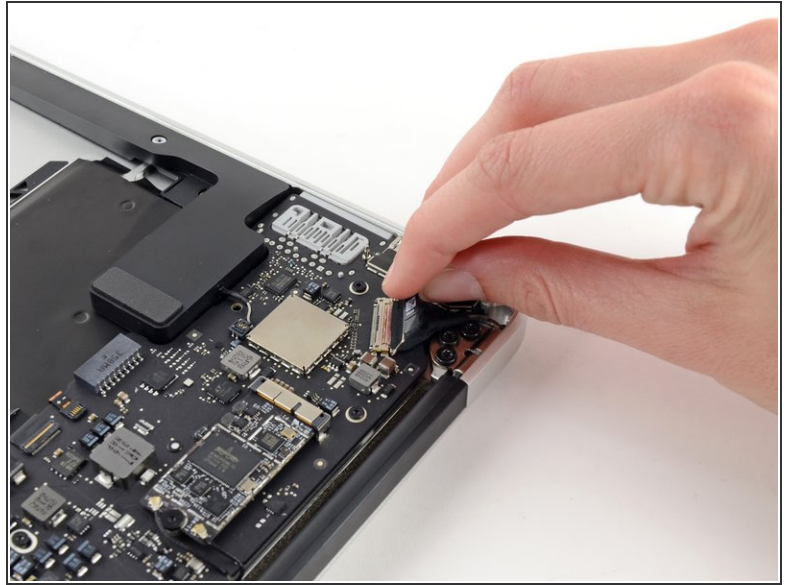
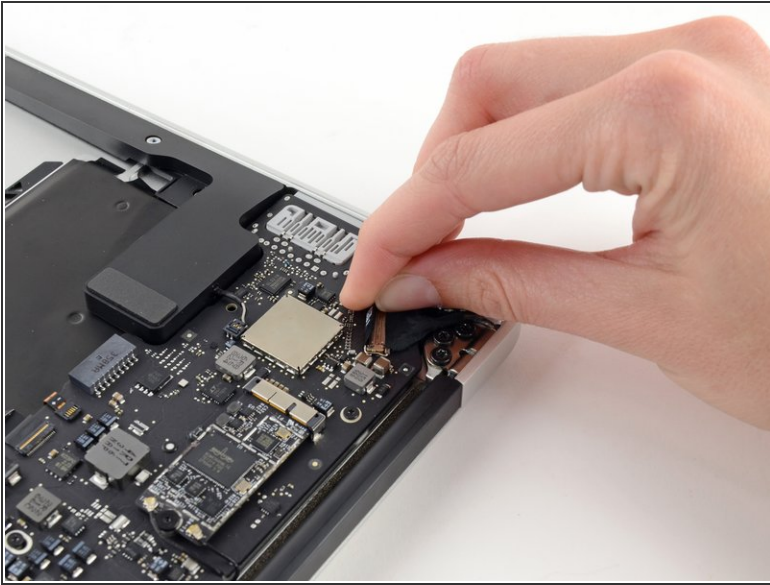
Internal Prerequisite.



## TOOLS:

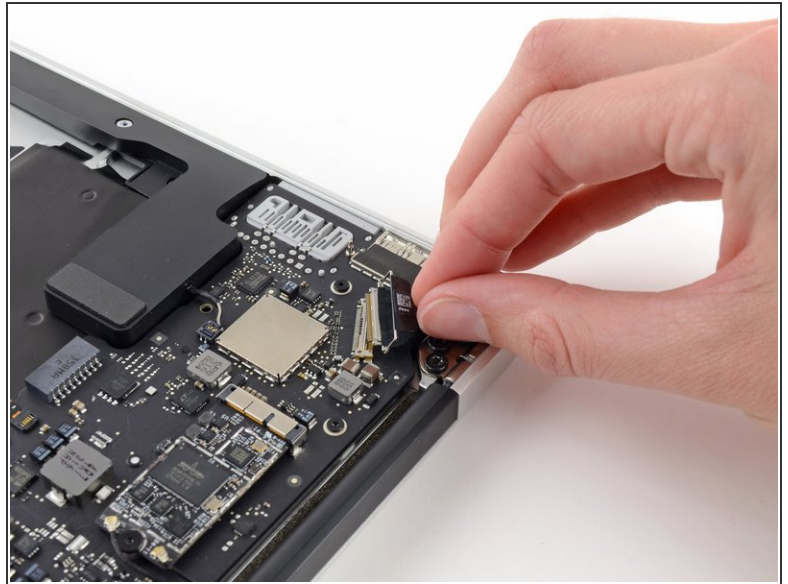
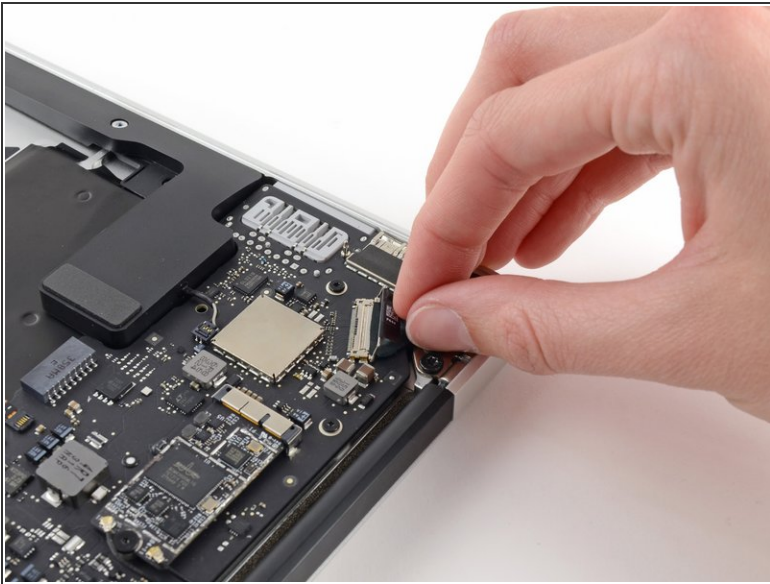
- [Spudger](#) (1)
  - [T5 Torx Screwdriver](#) (1)
  - [T8 Torx Screwdriver](#) (1)
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## Step 1 — Logic Board Assembly



- Grab the plastic pull tab secured to the display data cable lock and rotate it towards the top side of the computer.

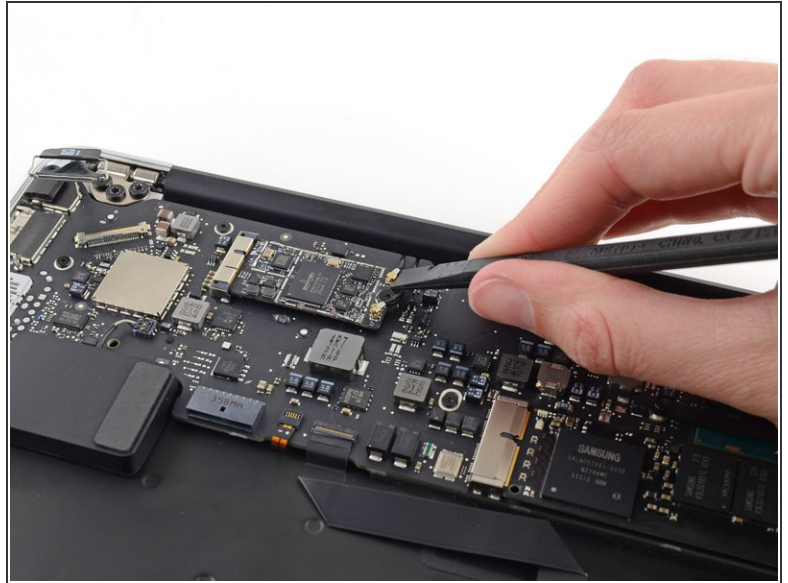
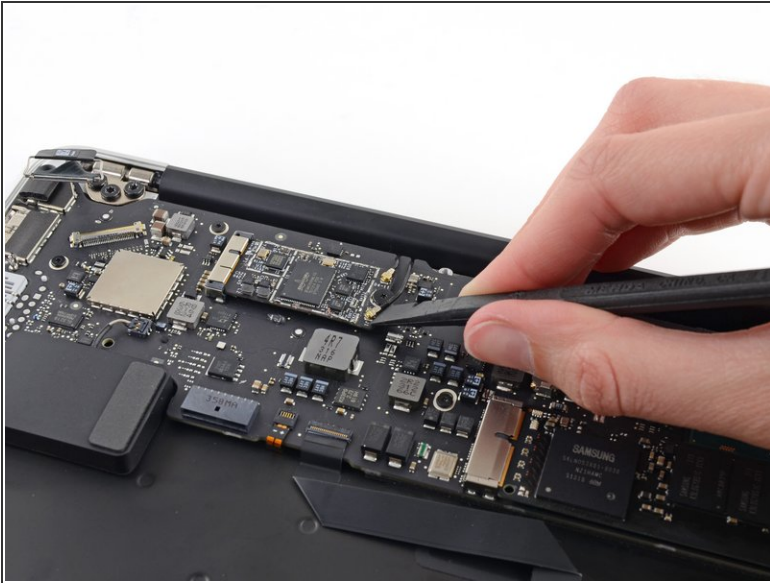
## Step 2



- Pull the display data cable connector straight away from its socket.
- ⚠ Make sure to pull the connector parallel to the logic board, do **not** lift straight up from its socket.

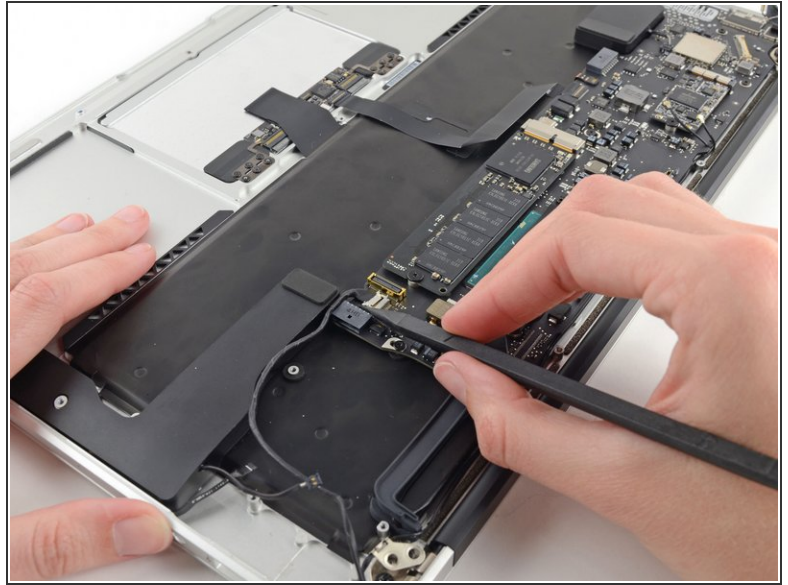
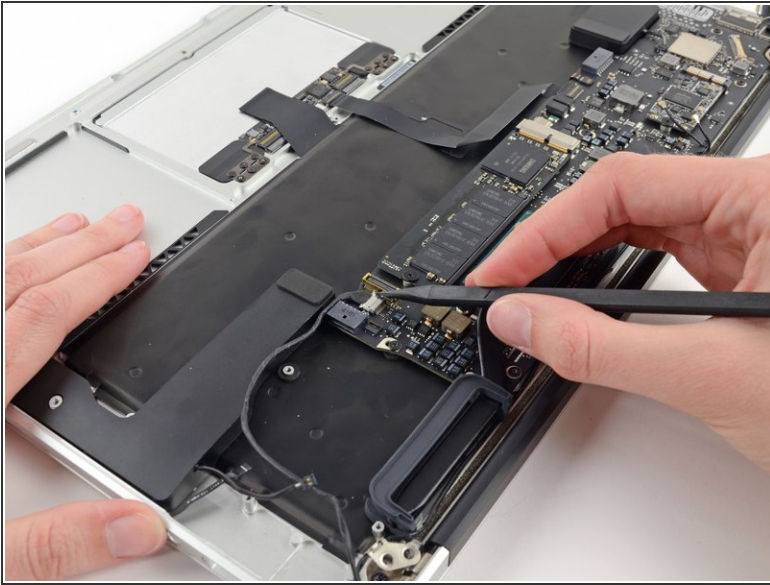


## Step 3



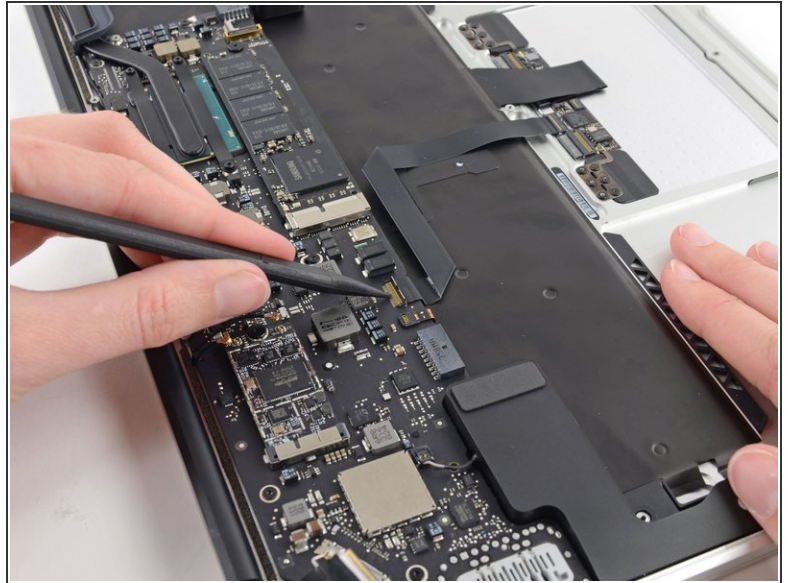
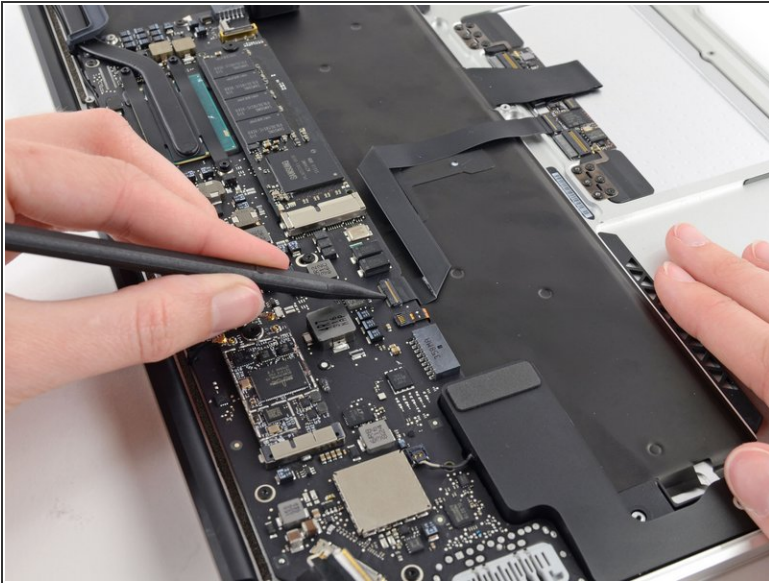
- Use the flat end of a spudger to pry both antenna cable connectors up and off their sockets on the AirPort/Bluetooth card.

## Step 4



- Disconnect the camera cable connector with the tip of a spudger.
- ⓘ Push first on one side of the connector, then on the other side to carefully "walk" it out of its socket.
- Pull the camera cable parallel to the face of the I/O board toward the front 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 5



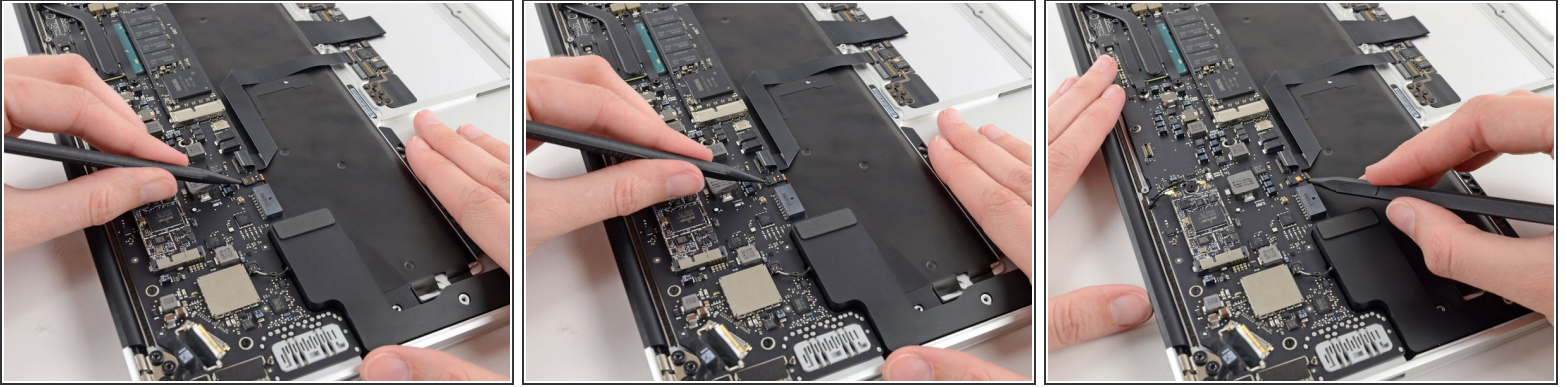
- Use the tip of a spudger or your fingernail to flip up the retaining flap on the trackpad ribbon cable ZIF socket.

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

- Pull the trackpad ribbon cable straight out of its socket toward the front edge of the Air.

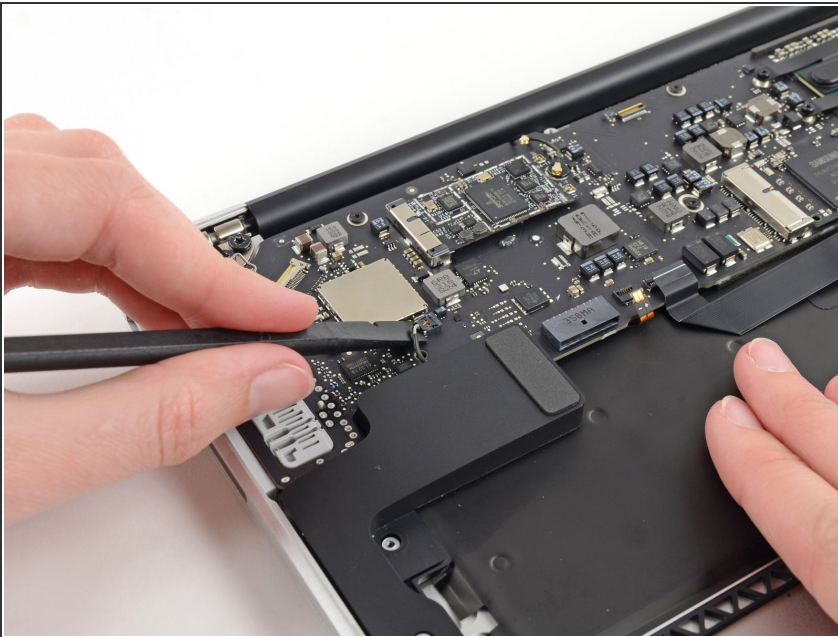


## Step 6



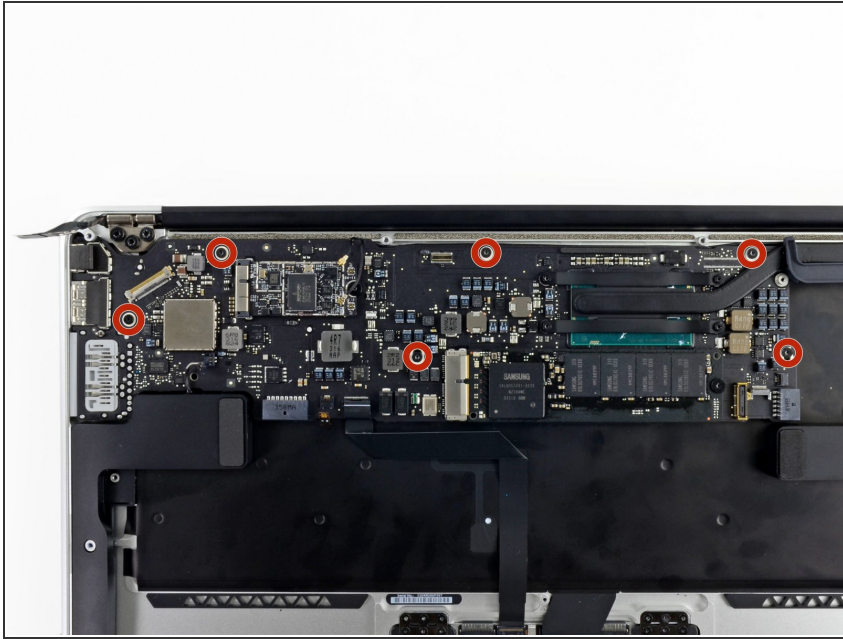
- Use the tip of a spudger to flip up the retaining flap on the keyboard backlight ribbon cable ZIF socket.
- ⚠ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.
- Use your spudger to gently pull the keyboard backlight ribbon cable out of its socket.

## Step 7



- Use the flat end of a spudger to pry the right speaker cable connector up and out of its socket on the logic board.
- ⓘ It is recommended to pry up from beneath the cables.

## Step 8



- Remove the six 6.3 mm T5 Torx screws securing the logic board to the upper case.
- ⓘ On some models these may be 4.1 mm T5 Torx screws.

## Step 9



- Remove the inner two 4.9 mm T8 Torx screws securing the antenna cable retainer and left clutch hinge to the upper case.



## Step 10



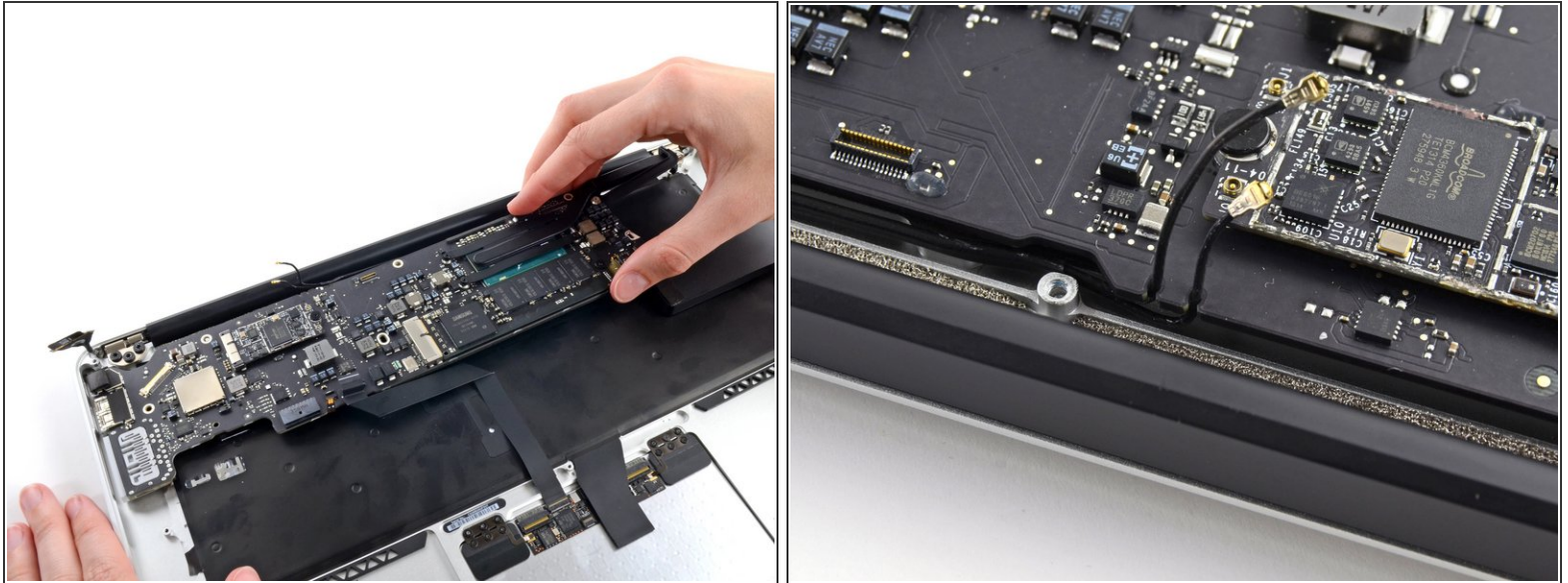
- Push the antenna cable retainer away slightly and remove the 3 mm T5 Torx screw securing the end of the heat sink to the upper case.

## Step 11



- Slide the flat end of a spudger under the right speaker from the end nearest the hinge to the front edge of the Air to loosen the adhesive.
- Remove the right speaker from the upper case.

## Step 12



- Carefully remove the logic board assembly from the upper case, minding any cables that may get caught.
- ✦ During reassembly:
- Keep loose cables clear of the board so they aren't caught under it.
  - Make sure the antenna cables are inserted into their respective notches, as highlighted in the second picture.

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