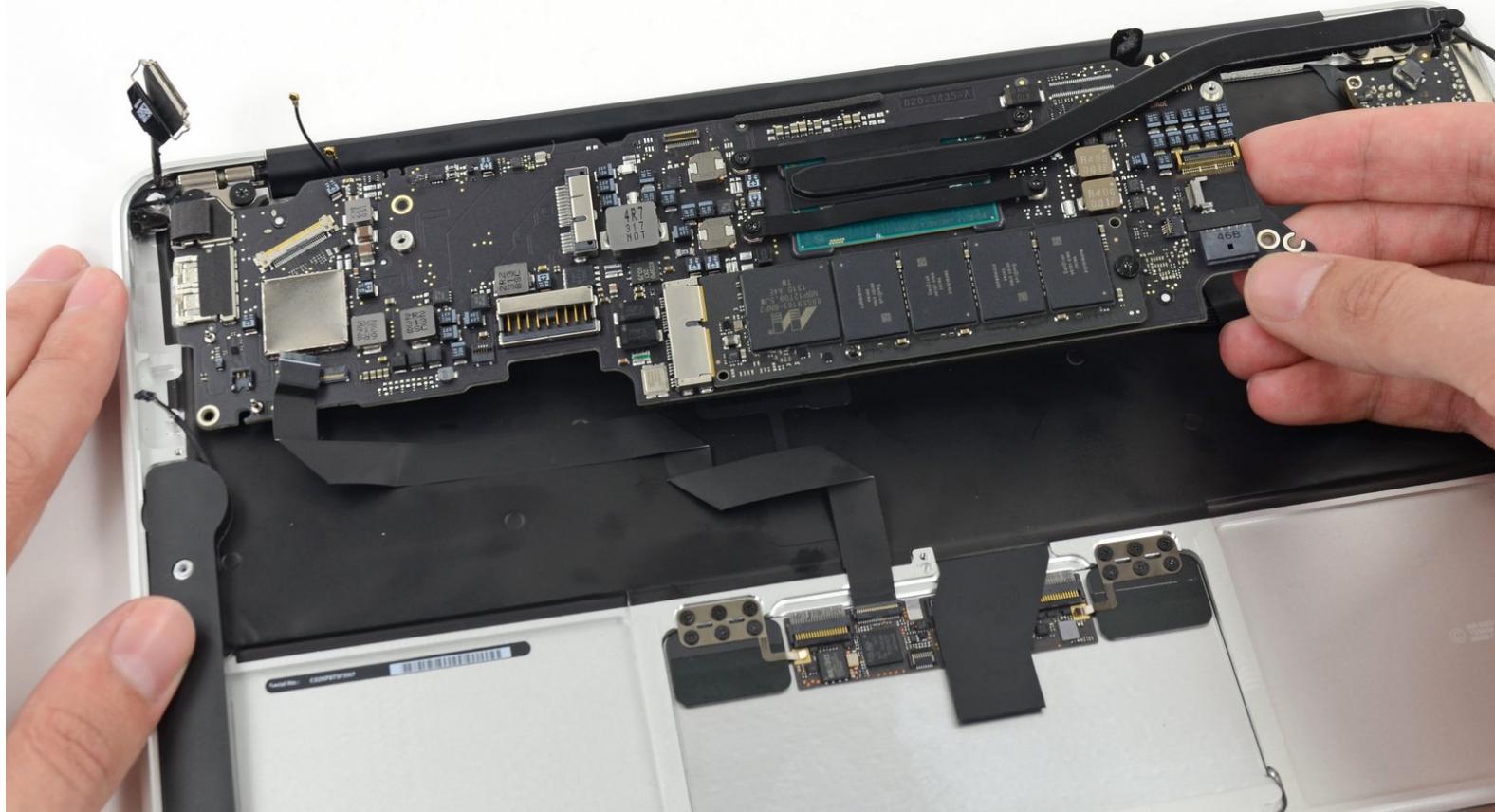




# MacBook Air 11" Mid 2013 Logic Board Assembly Replacement

Prereq to remove the logic board.

Written By: Sam Goldheart



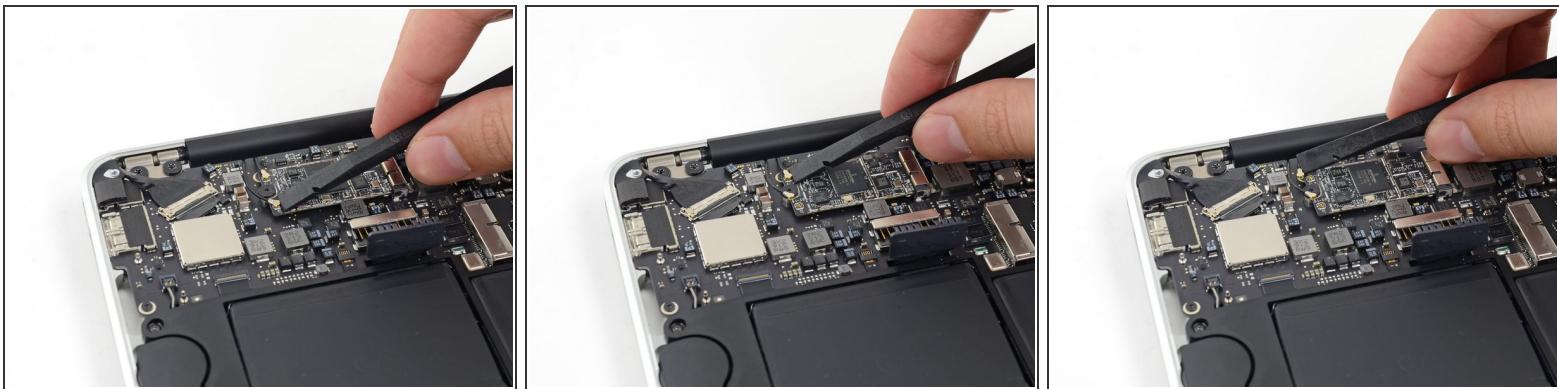
## INTRODUCTION

Prereq to remove the logic board.

### TOOLS:

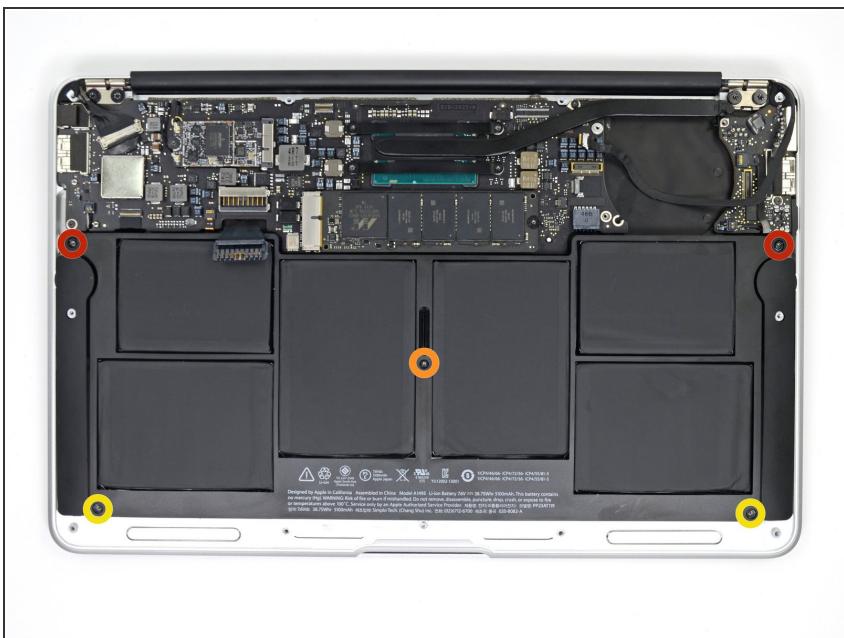
- [Spudger \(1\)](#)
- [T5 Torx Screwdriver \(1\)](#)

## Step 1 — Logic Board Assembly



- Use the flat end of a spudger to pry both antenna connectors up from their sockets on the AirPort/Bluetooth card, and move them out of the way.

## Step 2



- 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

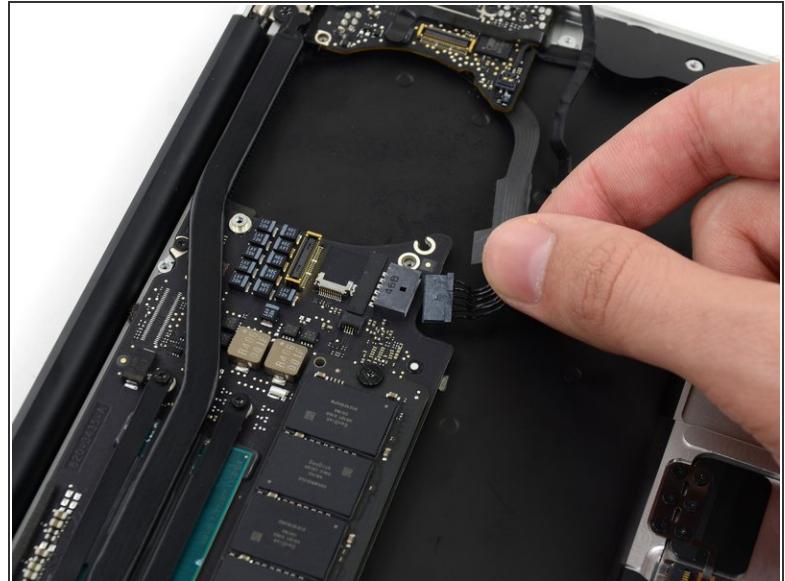
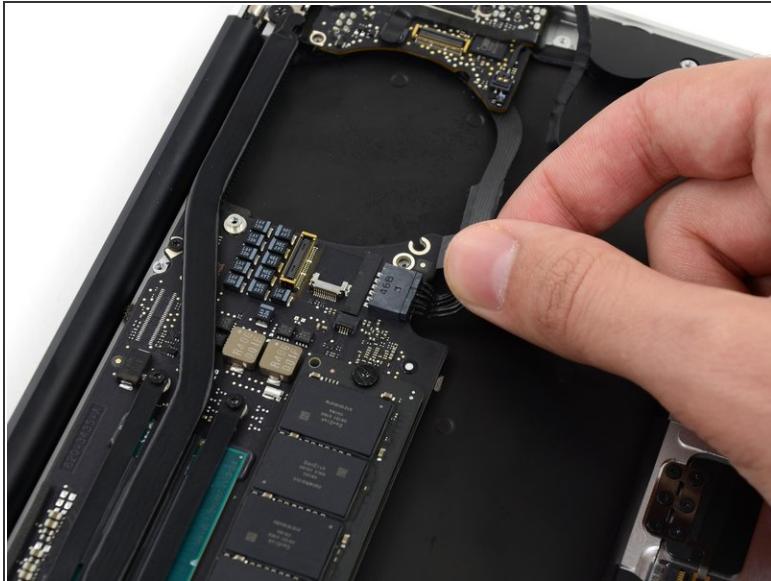
## Step 3



**⚠** When handling the battery, avoid squeezing or touching the six exposed lithium polymer cells.

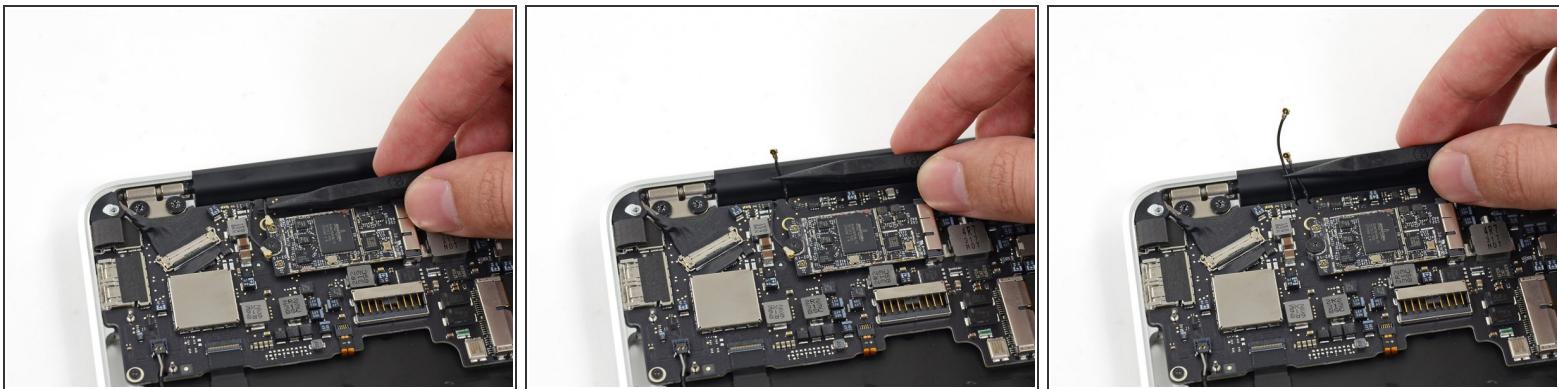
- Lift the battery from its edge nearest the logic board and remove it from the upper case.

## Step 4



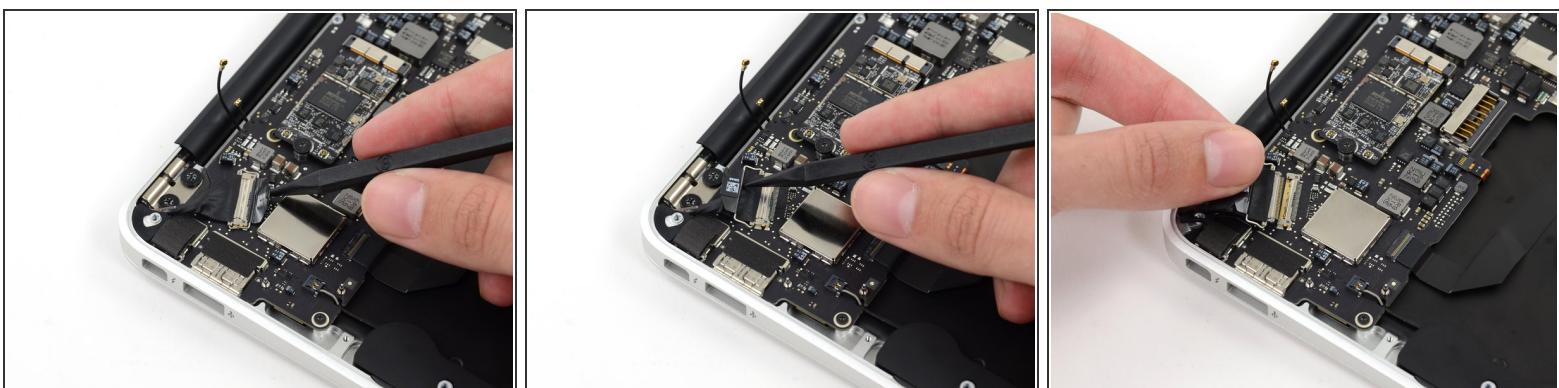
- Disconnect the I/O board by pulling the power cable away from its socket on the logic board.
- *i* Pull the cable parallel to the face of the logic board toward the front edge of the Air.

## Step 5



- Use the tip of a spudger to de-route the antenna cables from their notches in the logic board.

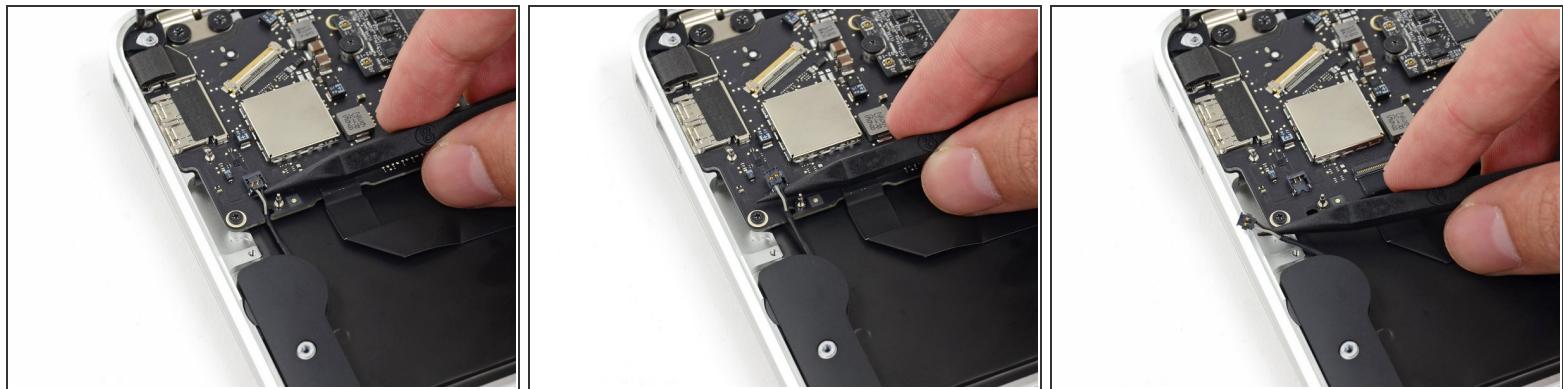
## Step 6



- Gently push the tip of a spudger under the black plastic flap stuck to the display data cable lock to make the lock pop upward and away from the socket.
- While holding the lock away from the socket, gently pull the display data cable out of its socket.

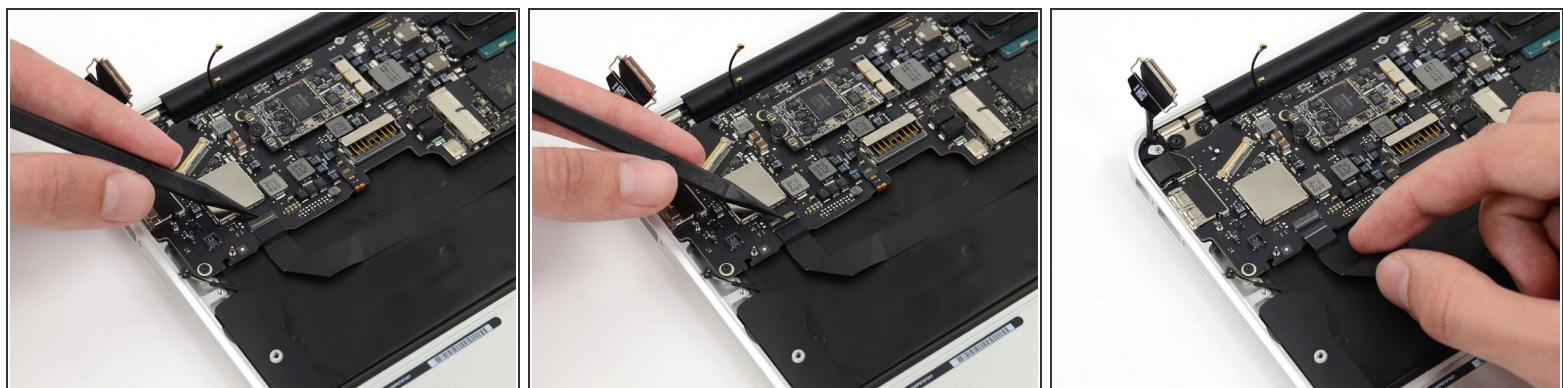
! Do not pull upward on the display data cable as you disconnect it, as its socket may break off the logic board.

## Step 7



- Use the tip of a spudger to pry under the speaker cable connector, lifting it straight up from its socket.
- De-route the cable from its notch in the logic board.

## Step 8



- 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 9

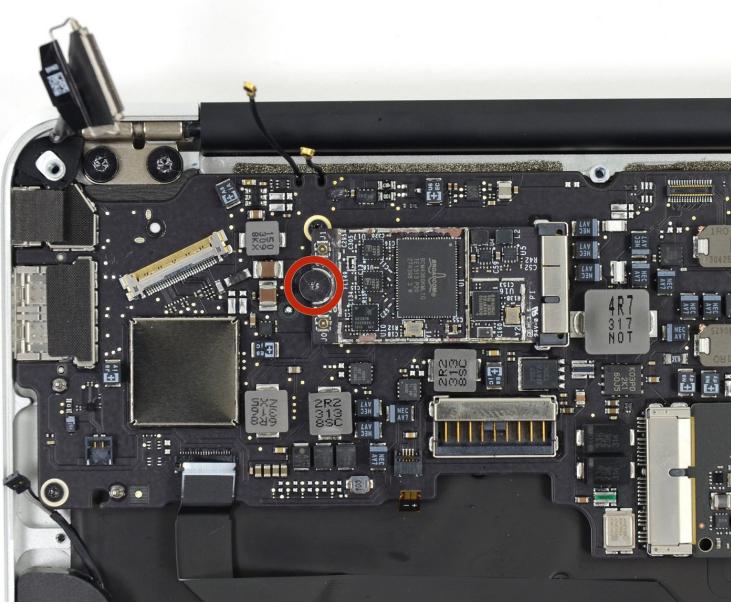


- Use the tip of a spudger to flip up the retaining flap on the keyboard backlight ribbon cable ZIF socket.

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

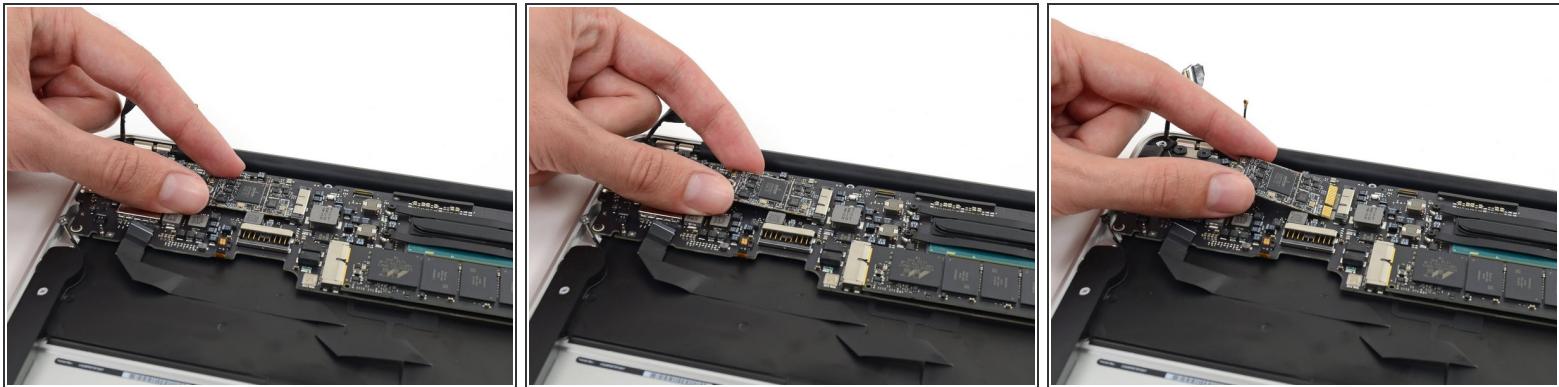
- Pull the keyboard backlight ribbon cable out of its socket.

## Step 10



- Remove the single 2.9 mm T5 Torx screw securing the AirPort/Bluetooth card to the logic board.

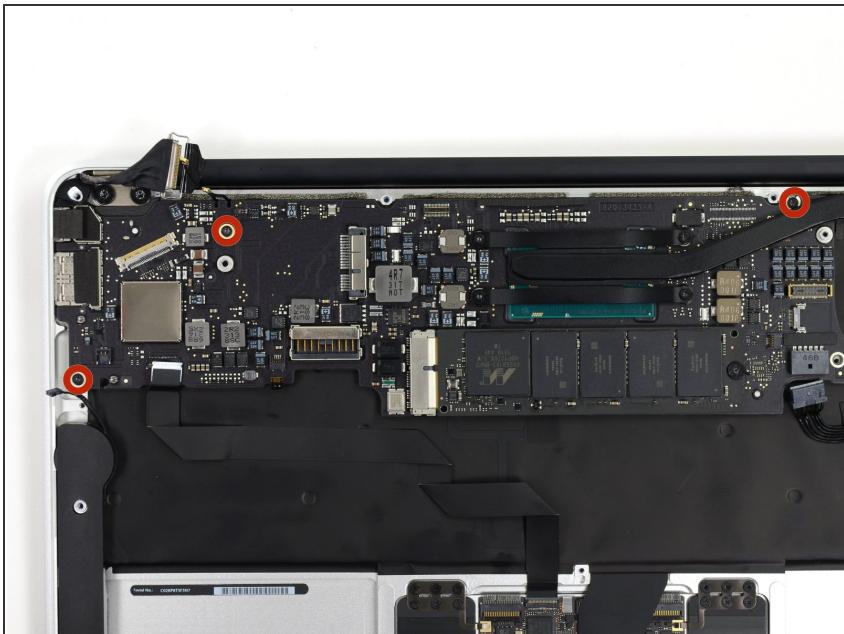
## Step 11



- Slightly lift the free end of the AirPort/Bluetooth board and pull it out of its socket on the logic board.

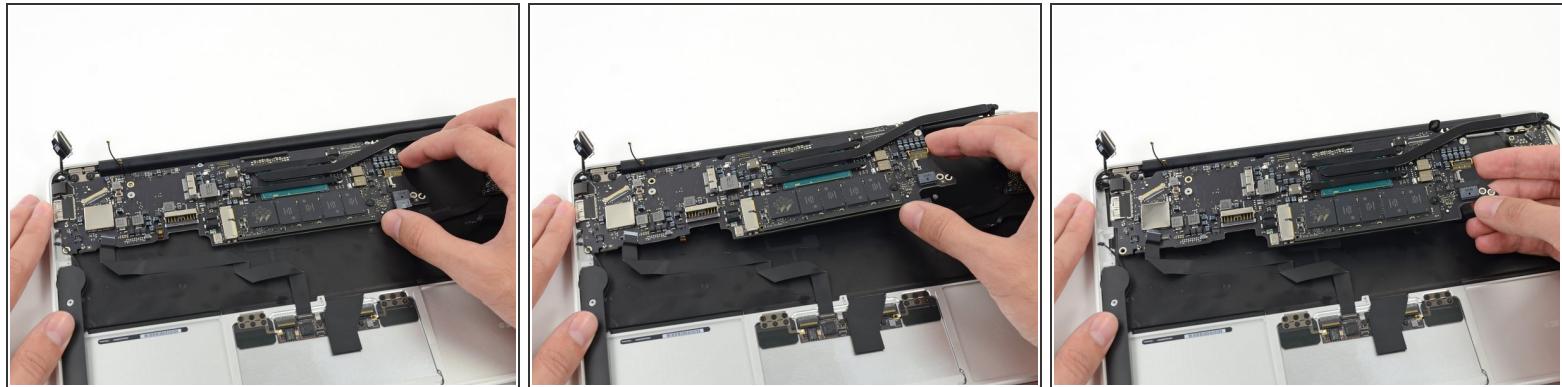
**⚠** To avoid damaging its socket on the logic board, do **not** excessively lift the free end of the AirPort/Bluetooth card.

## Step 12



- Remove the three 3.6 mm T5 Torx screws securing the logic board to the upper case.
- In some models these are 3.1 mm T5 Torx screws.

## Step 13



- Gently lift the logic board assembly from the heat sink end and pull it away from the port side of the case to remove it from the Air.
- ☒ When replacing the logic board, insert the board's rubber edge under the port-side rubber gasket, then lower the board into place.

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