



# MacBook Air 11" Mid 2011 Battery Replacement

Replace the battery on your Mid 2011 MacBook Air 11".

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## INTRODUCTION

Use this guide to replace a worn-out battery.

**Note:** If there is a [thin plastic film](#) on your replacement battery, do not attempt to remove it. It is glued on and protects the battery pack while it is inside the MacBook.

### TOOLS:

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

### PARTS:

- MacBook Air 11" (Mid 2011 to Early 2015) Replacement Battery (1)

## Step 1 — Lower Case



**i** Shut down and close your computer. 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

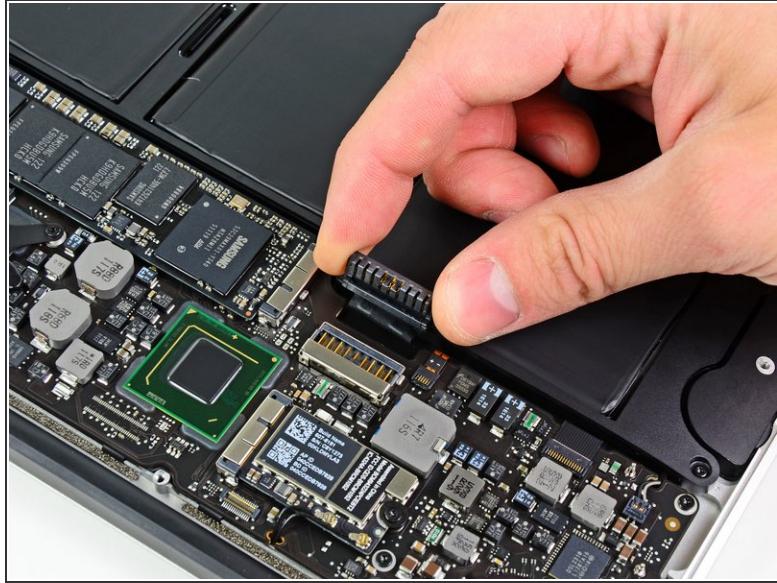
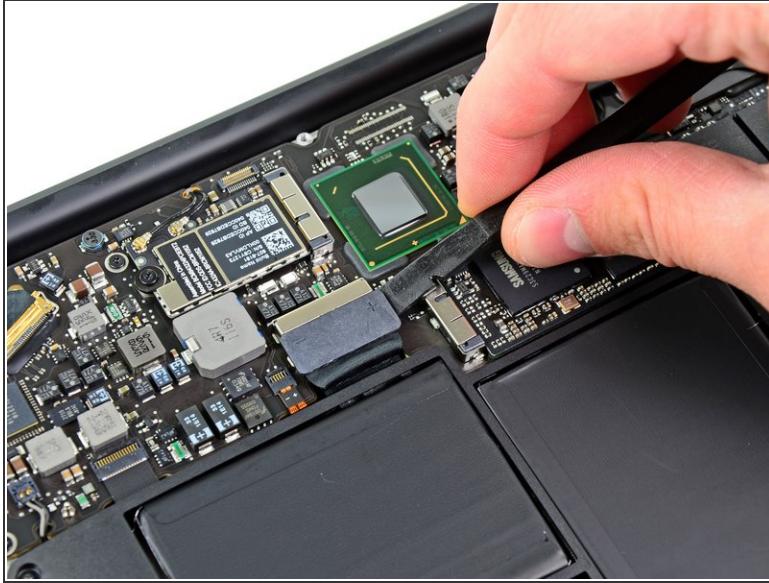
**i** The special screwdriver needed to remove the 5-point Pentalobe screws can be found [here](#).

## Step 2



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

## 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](#).

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