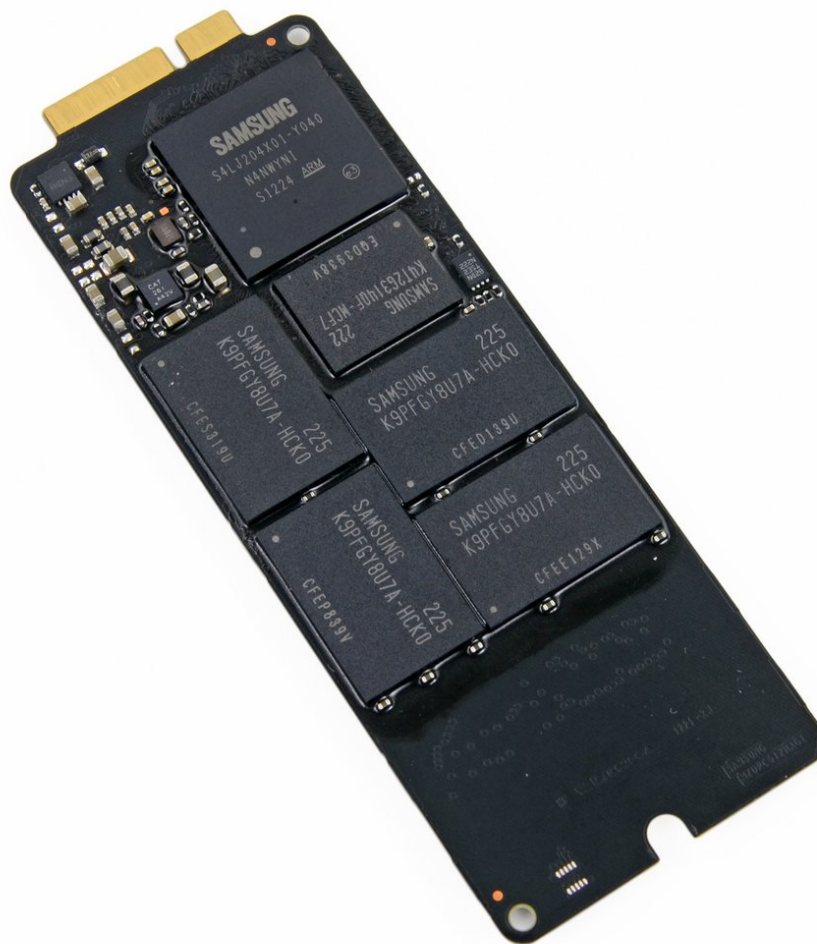




# MacBook Pro 13" Retina Display Early 2013 SSD Replacement

Replace the SSD in your MacBook Pro 13" Retina Display Early 2013.

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## INTRODUCTION

Use this guide to upgrade or replace the solid-state drive in a MacBook Pro 13" Early 2013. This MacBook Pro uses a [proprietary storage drive connector](#), and is therefore **not compatible** with common M.2 drives without the use of an adapter.

**Before you perform this repair**, if at all possible, [back up your existing SSD](#). Then, either familiarize yourself with [internet recovery](#) or [create a bootable external drive](#) so you'll be ready to install macOS onto your new drive and migrate your data to the new SSD.

Finally, we strongly recommend installing macOS 10.13 High Sierra (or a later macOS) before replacing the original SSD from your MacBook Pro. Most new SSDs require updated storage drivers not found in versions of macOS prior to High Sierra.



### TOOLS:

- [MacBook Pro and Air 5-Point Pentalobe Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [T6 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)



### PARTS:

- [OWC Aura Pro 6G SSD](#) (1)

## Step 1 — Lower Case



- Remove the following ten screws securing the lower case to the upper case:
  - Two 2.3 mm P5 Pentalobe screws
  - Eight 3.0 mm P5 Pentalobe screws
- ☑ Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from to avoid damaging your device.

## Step 2



- Wedge your fingers between the upper case and the lower case.
- Gently pull the lower case away from the upper case.
- Remove the lower case and set it aside.

## Step 3



- ✦ During reassembly, gently push down the center of the lower case to reattach the two plastic clips.
  - The lower case is connected to the upper case at the center, with two plastic clips.

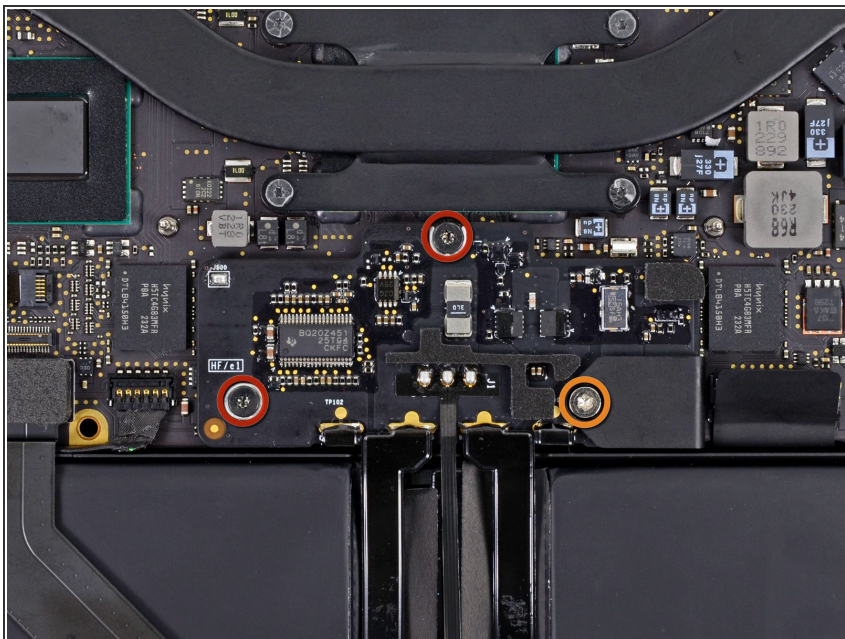
## Step 4 — Battery Connector



- Remove the plastic cover adhered to the battery contact board.

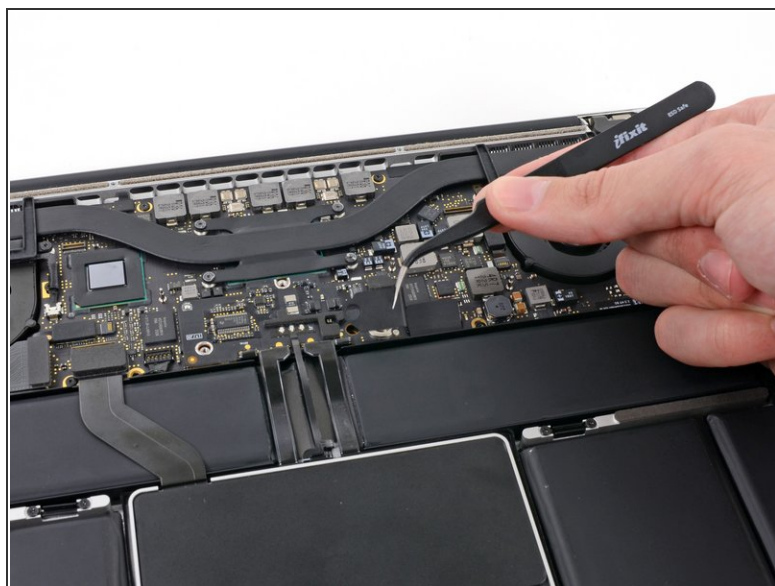


## Step 5



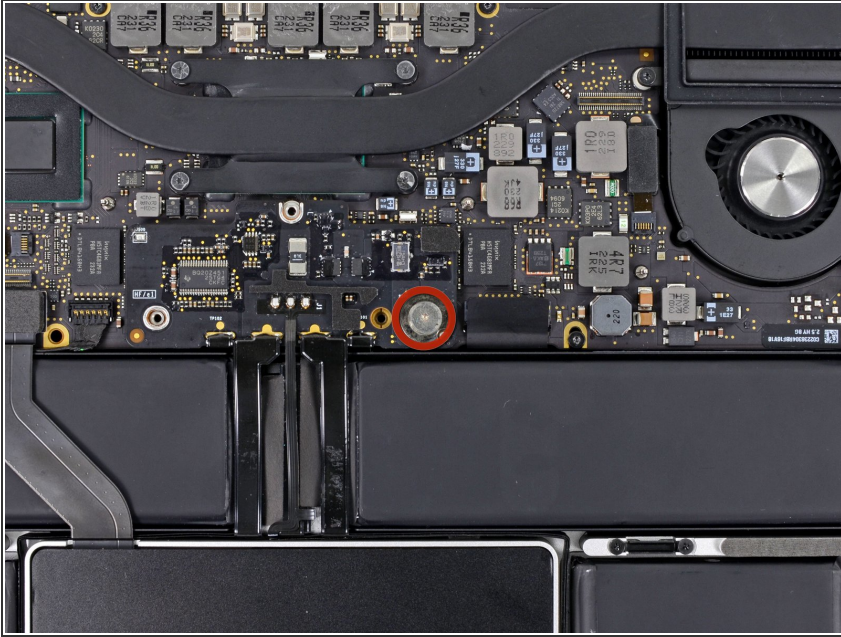
- Remove the following screws securing the battery connector board to the logic board:
  - Two 2.8 mm T6 Torx screws
  - One 7.0 mm T6 Torx shouldered screw

## Step 6



- Use tweezers to remove the small plastic cover located near the bottom right of the battery connector board.

## Step 7




- Remove the wide head 6.4 mm T6 Torx screw securing the battery connector to the logic board assembly.

## Step 8



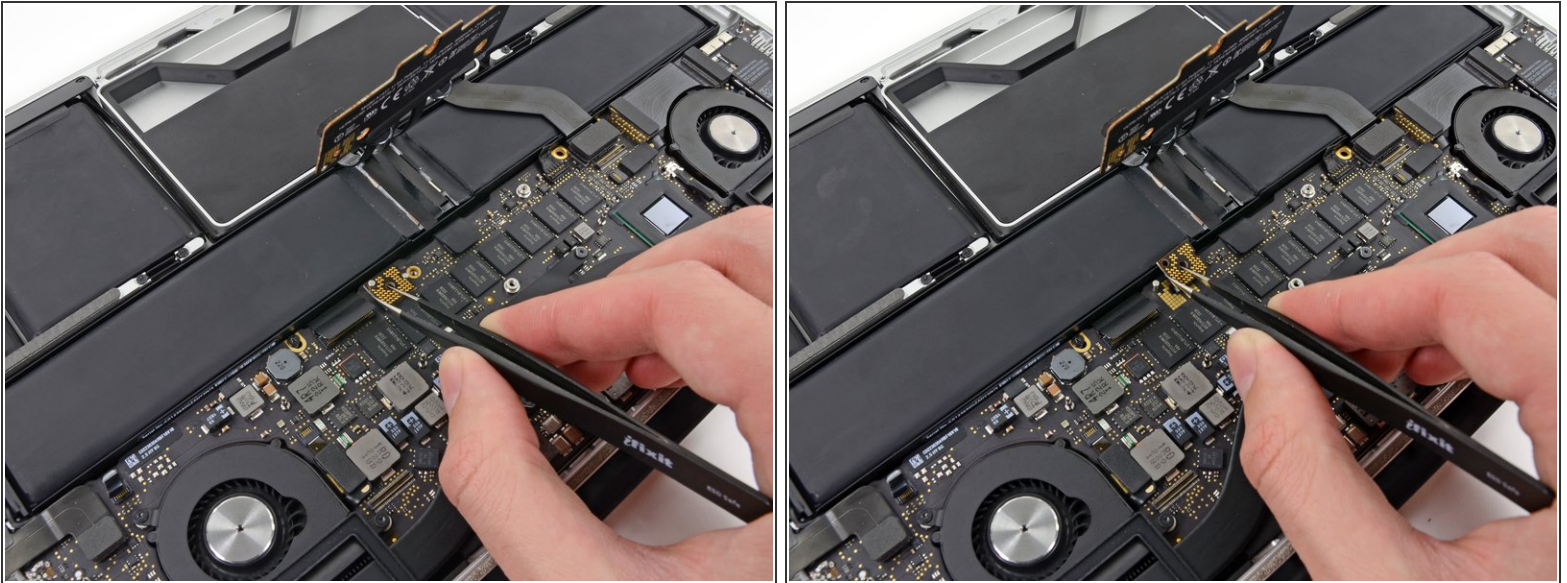
- Carefully lift the battery connector board up off the logic board.
- It is recommended to bend the battery cables just slightly, to keep the board suspended up above the logic board and out of the way.

 Do not fold the board completely over, or crease the cables, as this may damage the battery.

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## Step 9 — Battery Contact Board



- Grasp the Interposer with tweezers.
  - ❗ An interposer is the name for an interface that links one electrical connection to another. In this repair, it is the board connecting the battery to logic board.
- Lift the Interposer off the logic board and remove it.
  - ⚠ Removing this board will ensure that the battery remains disconnected throughout your repair, preventing your computer from accidentally powering on. It's also a good idea to take it out so it doesn't fall out unexpectedly.

## Step 10 — SSD Assembly



- Use the flat end of a spudger to pry the SSD cable connector up from its socket on the logic board.

## Step 11



- Use your thumb or finger to bend the plastic spring bar on the SSD tray, freeing the two clips at the front side of the device.
- While holding the spring bar depressed, tilt the SSD assembly up out of its cavity.



## Step 12



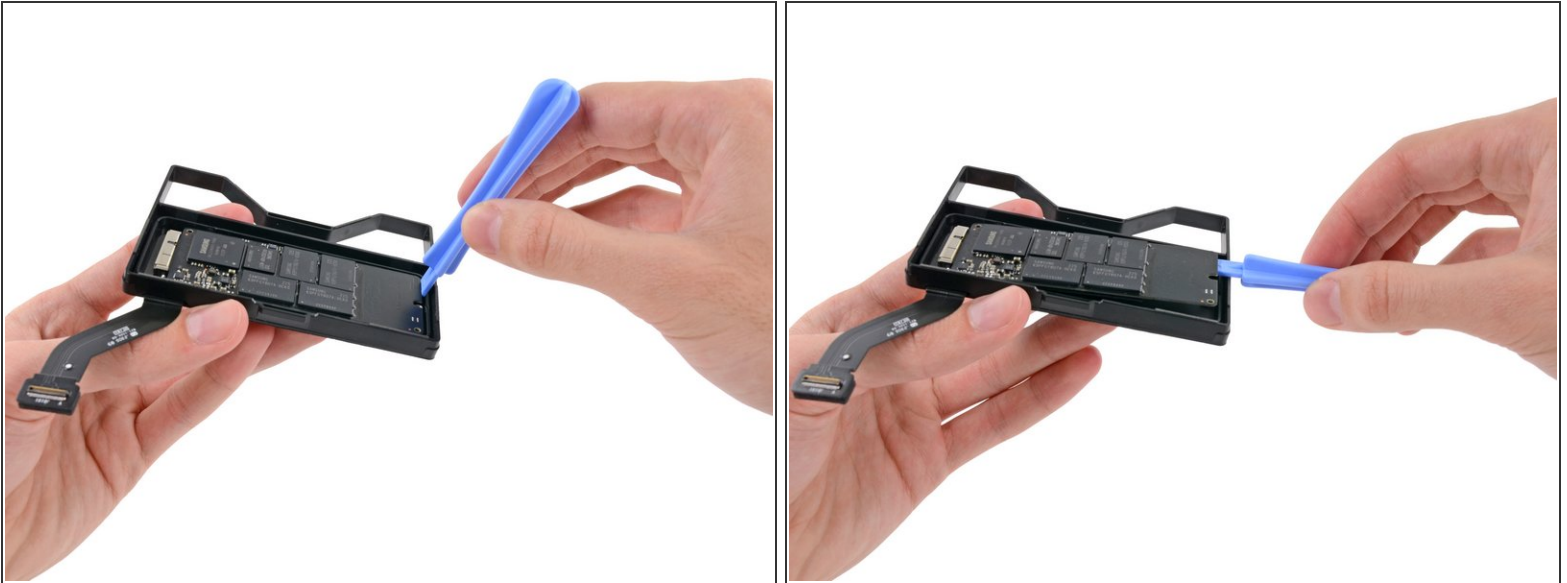
- Remove the SSD assembly from the upper case.

## Step 13




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

## Step 14



- Insert the edge of plastic opening tool between the SSD and the SSD tray, opposite to the socket side of SSD tray.
- Pry the side of the SSD opposite the SSD tray socket out of the SSD tray.

 Only lift the SSD up far enough to grab the sides of it with your fingers. Lifting it any more may damage the card or socket.

## Step 15



- Carefully pull the SSD straight out of its socket on the SSD tray.

## Step 16 — SSD



- SSD remains.

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