Store from Time Machine Step by step Guider

What you'll need

- MacBook Air(2013-2017)Pro (late 2015-2015)
- Sintech Long Adapter ST-NGFF2013-C
- Sintech USB Mac SSD Case(PA-2013U3C-B) or USB nVME Case
- A P5 Pentalobe & a T5 Torx Screwdriver(ST-NGFF2013-D included)
- PCIe nVMe SSD of your choice(part of tested SSD as following)

512 GB NVME SSDs comparison
(test machine : late 2015 15" rMBP - all others rMPB limited to PCIe 2.0 4x lanes - 1400MB/s)

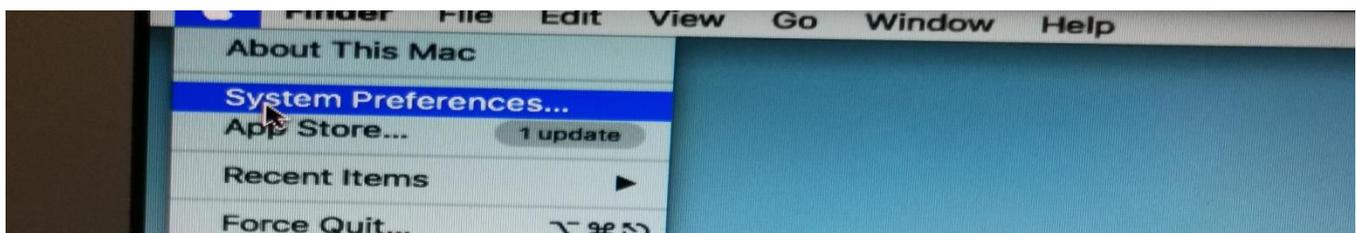|	Manufact. ref.	NAND type	Firmware (as tested)	Price (for 512GB)	Easy to find new	Read Speed (MB/s)	Write Speed (MB/s)	Known issues	512B bloc size	4K block size (works from 10.12)	Max Power (W)
Adata	SX7000NP	TLC	CB1.1.1	$159,00	yes	1089	880	random KP	yes	no	9,00
Apple SSD SM0512L	MZ-KKW5120/0A2	MLC	CXS7CA0Q	$600,00	no (AASP)	2693	2320	no issue	no	yes	6,00
Intel 600P	SSDPEKKW512G7	TLC	PSF109C	$193,00	yes	1480	448	no issue	yes	no	9,00
Kingston KC1000	SKC1000480G	MLC	E7FT04.6	$262,00	yes	2180	1230	no issue	yes	yes	7,90
Samsung 960 Evo	MZVLW500HMJP	TLC	2B7QCXE7	$229,00	yes	2240	1330	random KP	yes	no	
Samsung 960 Pro	MZVKP512HMHQ	MLC	2B6QCXE7	$309,00	yes	2950	2070	random KP	yes	no	6,90
Samsung PM981	MZVLB512HAJQ	TLC	EXA7101Q	$225,00	no (OEM)	2550	fails	random KP	yes	no	7,02
Samsung SM951	MZVP512HEGM	MLC	CXZ7300Q	$500,00	no (OEM)	3000	1100	random KP	yes	no	
Toshiba XG3	THNSN5512GPU7	MLC	5KDA4101	$250,00	no (OEM)	2516	1572	no issue	yes	yes	
Toshiba XG4	THNSN5512GPUK	TLC	5KDA4103	$150,00	no (OEM)	1500	960	no issue	yes	yes	6,00
WD Black	WDS512G1X0C	TLC	B35500WD	$197,00	yes	1520	330	no issue	yes	yes	8,25

Step 1

Update your MacBook to the latest version of macOS available - This
will ensure you have the latest boot ROM firmware loaded.

Step 2

Insert new nVME SSD with adapter into PA-2013U3C-B USB card, erase new
SSD in Disk Ultility and partition as 2 drivers.

Step 3

Go to left-up-corner to find "system reference"->"Time Machine".

Step 4

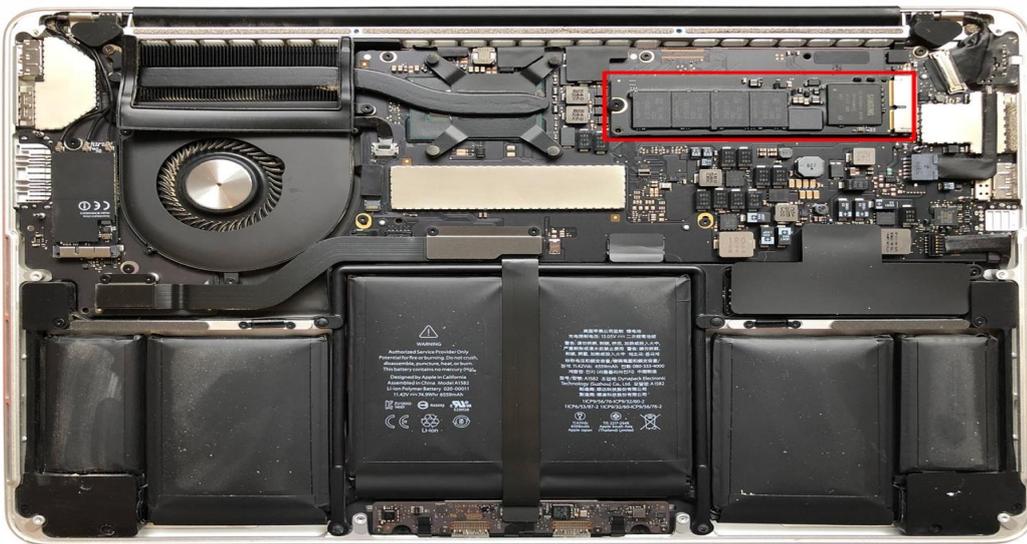Backup to one of partitioned drivers, then power off macbook.

Use P5 screw driver tool to open back case.

Step 5

With the bottom case off, you can now see the logic board and battery of your laptop. The SSD is located in the top right corner (with the batteries at the 'bottom', or closest to you).

Using a Torx T5 screwdriver, remove the screw holding the SSD in place, and pull out the original drive.

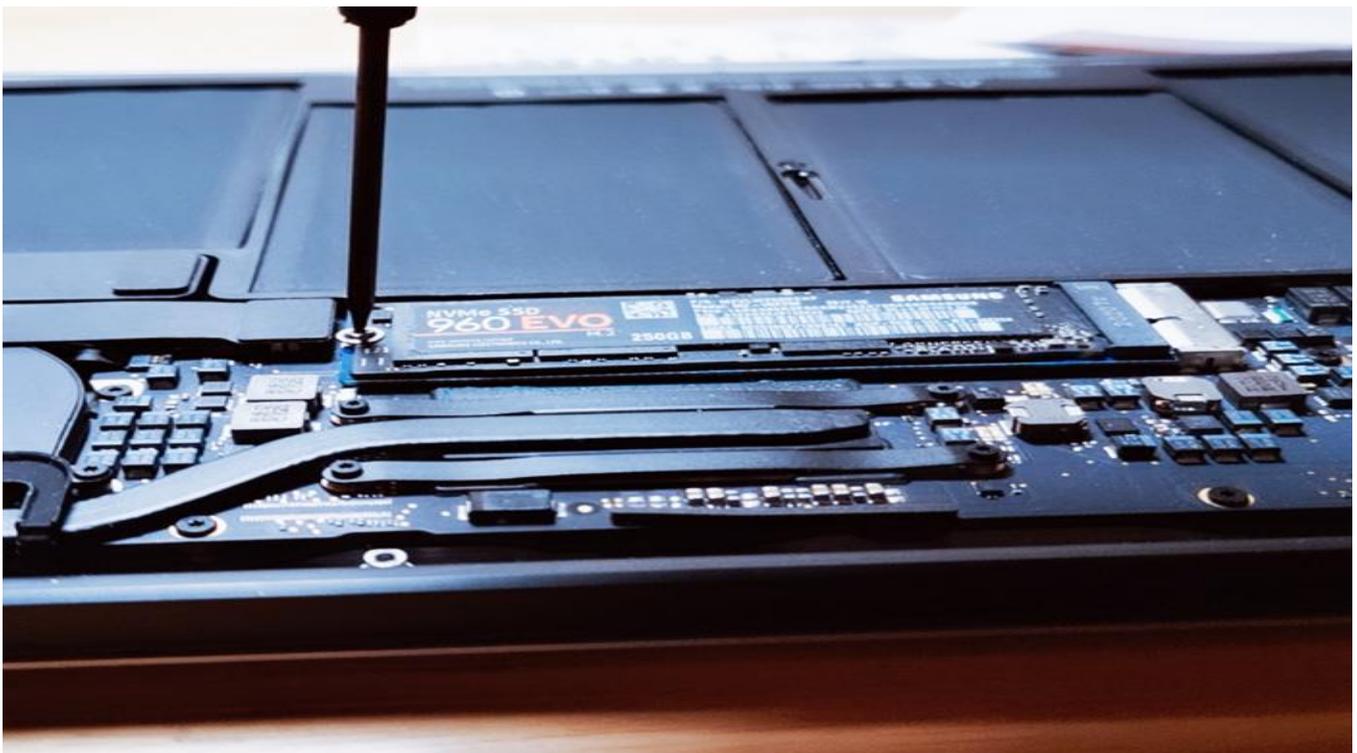## Step 6

Put back PE foam on backside of adapter.

Put Place the NVMe SSD of your choosing into the adapter. The screw cutout should lineup nicely between the two items.

Gently push the adapter and SSD into the empty slot on the logic board. Again, the screw cutout should line up with the hole on the board.
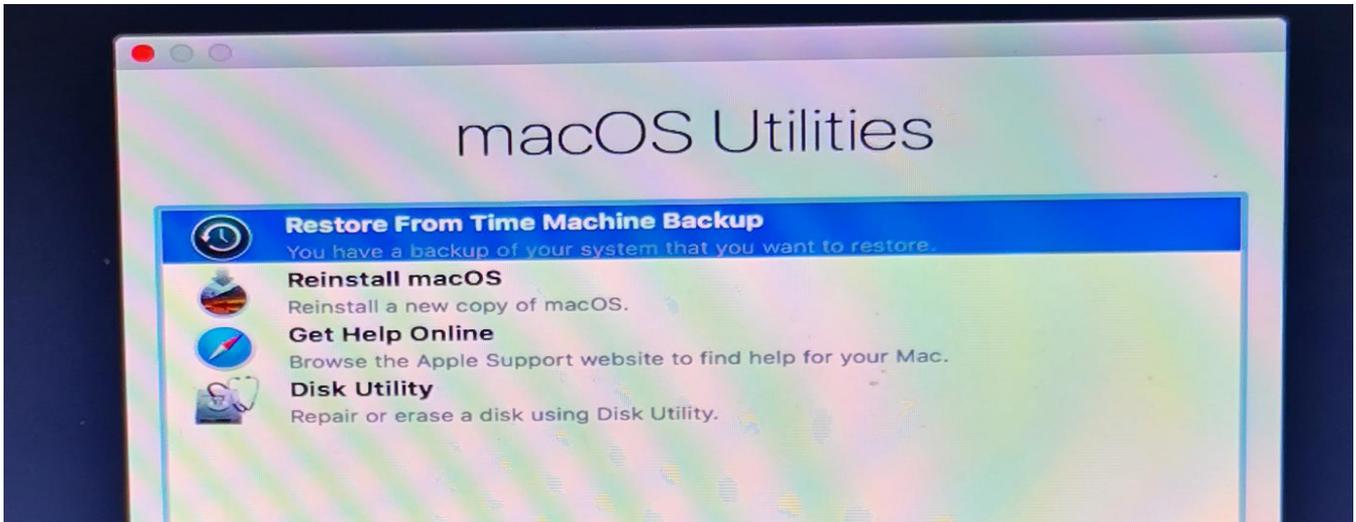
Step 7

Using the longer T5 screw provided by Sintech (and not the original, shorter, T5 screw used by Apple), fix the adapter and NVMe into place.

Step 8

Replace the bottom case, remembering to put the exact screws back from where they came. Switch on the macbook, after it is loaded,you can choose "restore from Time Machine Backup".

Step 9

Our final step, once you have a fully working restoration of macOS, is to set our new disk as the startup disk.

At last,you can put old Mac SSD into USB external Case as USB driver if you have this USB case.