Surface Studio M.2 SSD Replacement

Do you want a bigger SSD or perhaps a faster...

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INTRODUCTION

Do you want a bigger SSD or perhaps a faster PCIe NVMe SSD? Follow this guide to replace your SSD.

(Note: Surface Studio with Intel Core i5 comes with SATA III SSD while Surface Studio with Intel Core i7 comes with PCIe NVMe SSD.)

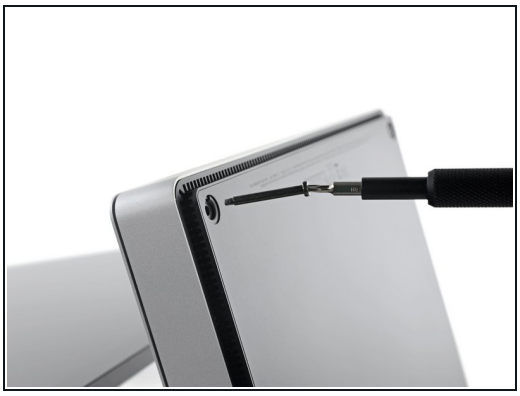
TOOLS:

- Tweezers (1)
- T6 Torx Screwdriver (1)
- TR8 Torx Security Screwdriver (1)
- 5mm Nut Driver (1)
- Heavy-Duty Suction Cups (Pair) (1)
- iFixit Opening Tool (1)

PARTS:

- Samsung 960 M.2 250GB NVME SSD (1)

Step 1 — M.2 SSD

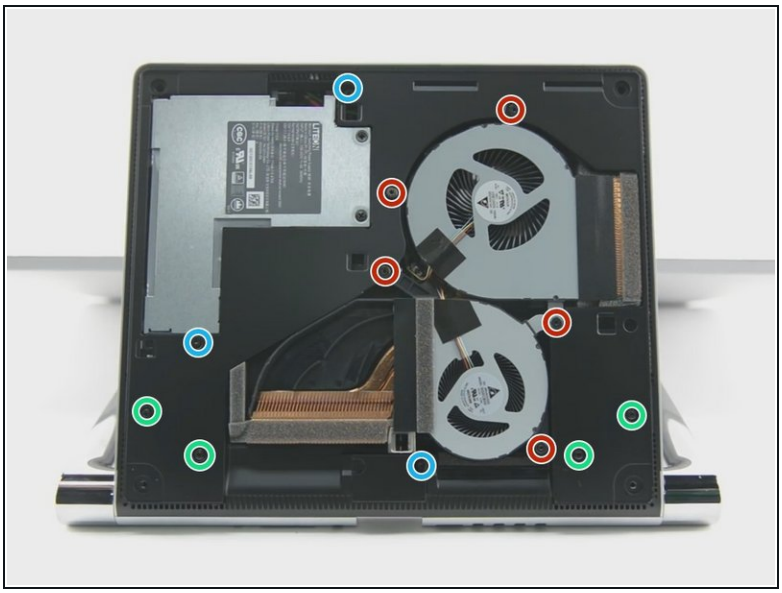


- Lay the Surface face down on a padded surface

⚠ Be careful not to scratch the screen when laying it face down

- Remove the four rubber feet at each corner concealing the Torx screws
- Remove the four Torx screws under the rubber feet.
- Two screws on the upper corners are longer than two screws on the lower corners.
- Attach suction cups to the bottom cover and then pull on the suction cups to free the bottom cover.

Step 2



- Remove five torx screws holding the two fans to the midframe
- Remove the two fans

The fan connectors are behind the midframe and not yet accessible. Let the fans hang loosely until you can access the connectors.

Four large torx screws and four small torx screws hold the midframe to the upper frame.

- Remove four large torx screws holding the midframe
- Remove four small torx screws holding the midframe

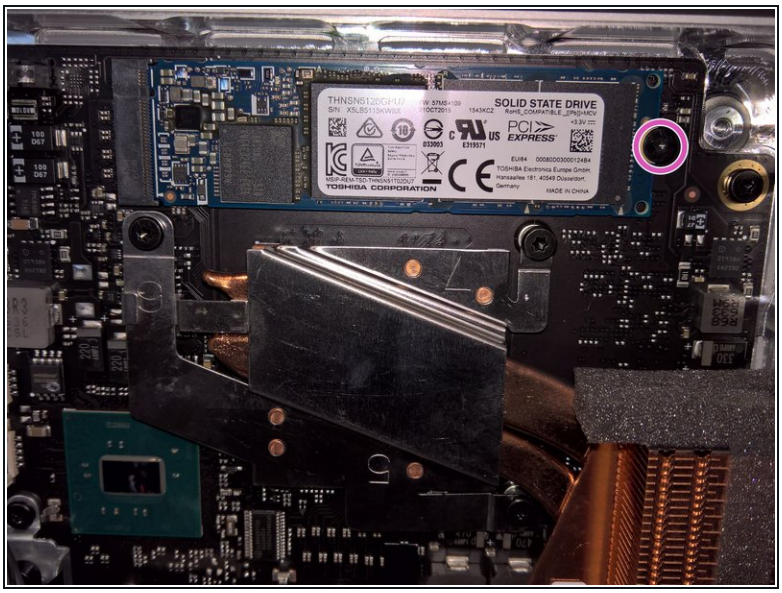
Step 3

- Slowly remove the midframe

⚠ Be careful, the speaker on the midframe is still attached to the motherboard

- Detach the connectors for the two fans and the speaker

Step 4



- With the midframe removed, the M.2 SSD is now accessible
- Remove a torx screw holding the M.2 holding the SSD to the motherboard
- Pull the SSD straight back

⚠ Do not pull the SSD upward or risk damaging the M.2 socket

ⓘ The M.2 socket is compatible with most SATA III, PCIe ACHI, and PCIe NVMe in the M.2 2280 form factor

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