AORUS 590X M.2 SSD Replacement

This guide will show the installation method for an onboard M.2 SDD in the AORUS 590X desktop gaming computer.

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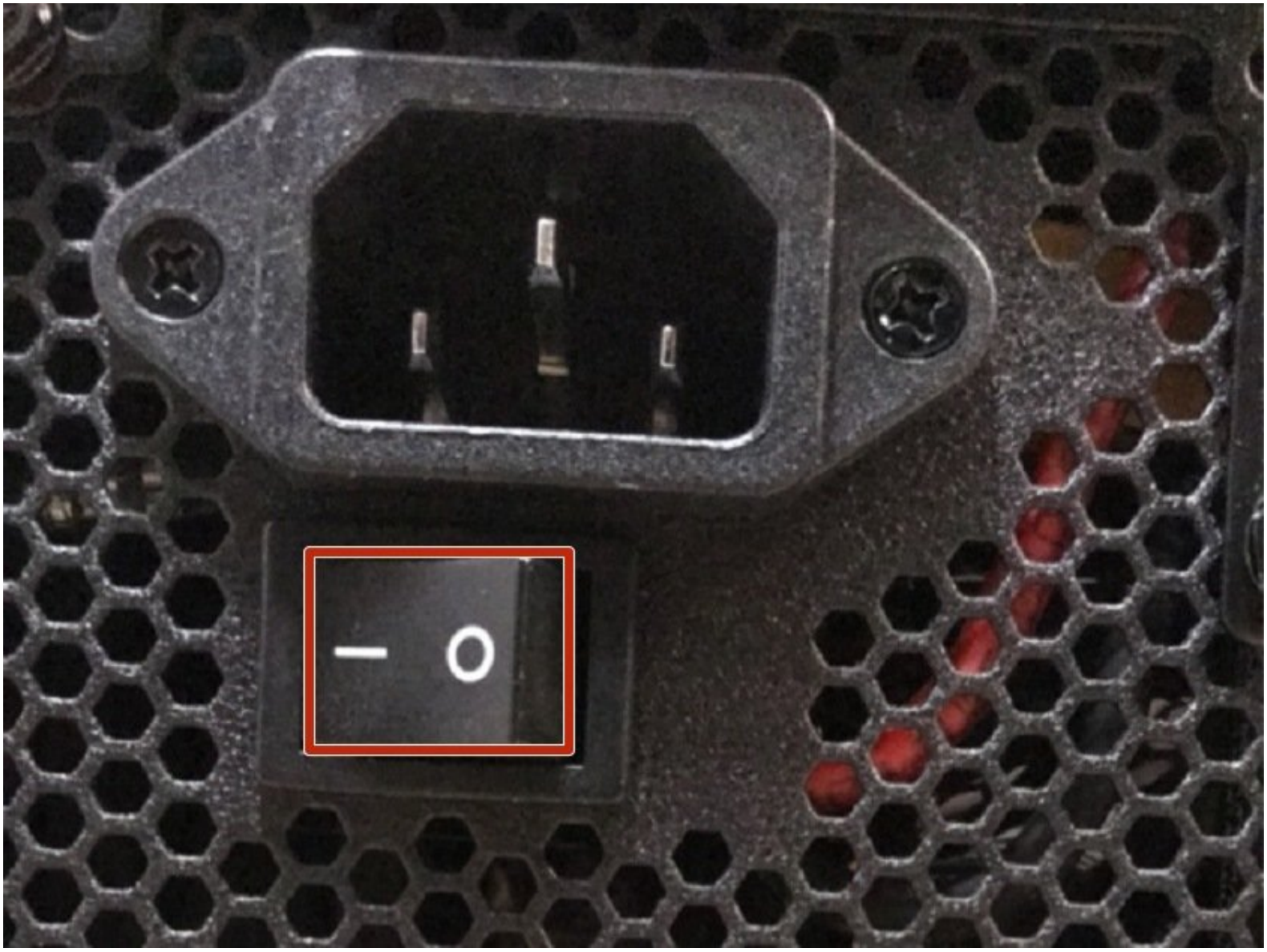


INTRODUCTION

In the occurrence that you have a corrupted memory storage compartment in your computer or require more computer storage space. Then the M.2 SSD (solid state drive) should be considered to replace and or fill this compartment. In the case your computer storage has been corrupt it may be results of using an old HDD (Hard Disk Drive) as they use mechanical parts that wear down over time. The beneficial advantages SSDs have over HDDs is their reliability and sustainability. They are comprised of less and smaller components while providing more storage space on your computer. This guide will go over the basic procedure to open your computer and install an M.2 SSD onto your motherboard. The instructions are universal towards pre-built and bare bone motherboards (mother board by itself). This will address the problem associated with corrupted storage space, and the requirements to fill this space. It will go over the procedures to install this fast and advantageous memory storage component, adding more storage space to your computer.

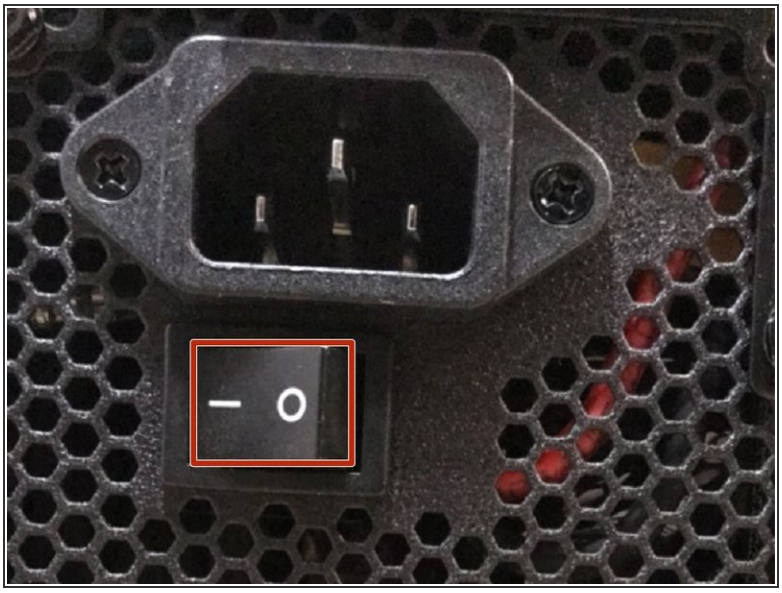
TOOLS:

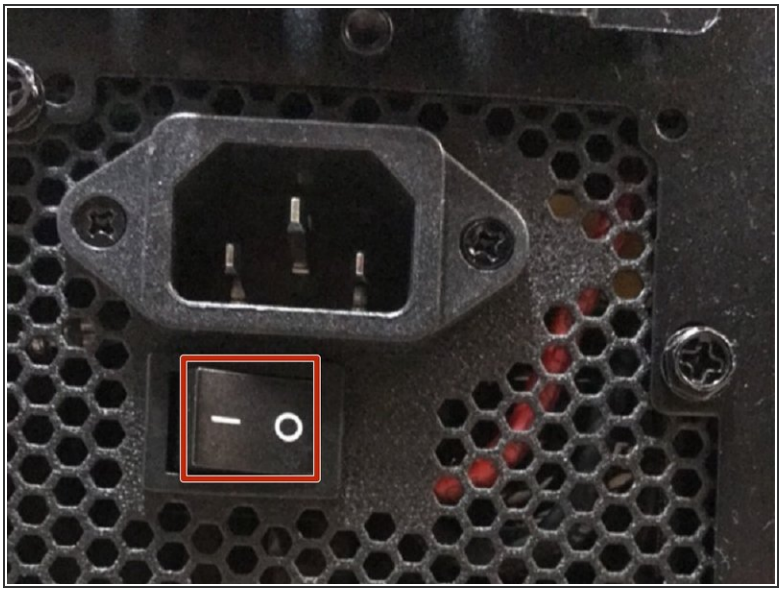
- Anti-Static Wrist Strap (1)
- Phillips #0 Screwdriver (1)

PARTS:

- m.2 SSD (1)

Step 1 — M.2 SSD



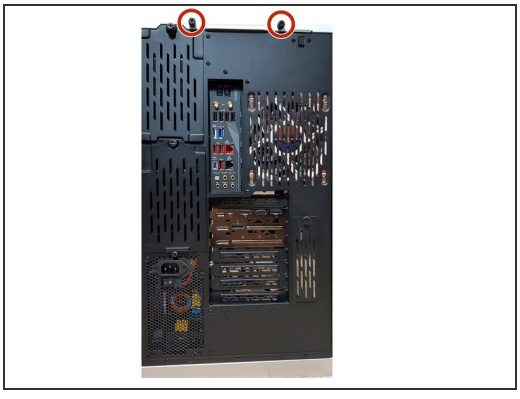


- Switch off your computer and unplug the power supply cord.

Different PC towers have various outlays for disassembly and reassembly purposes. This guide will demonstrate a general procedure.

Refer to your specific computer tower guides for disassembly purposes on the iFixit community or other online resources.

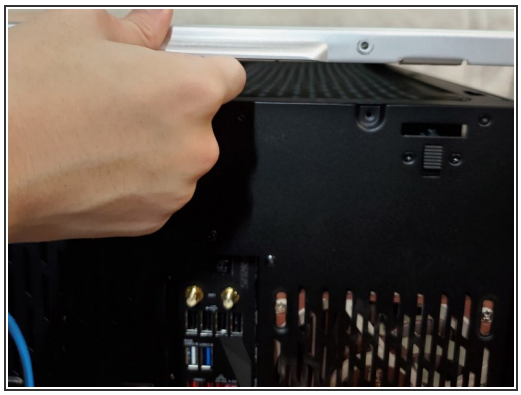
Step 2



- Unplug any additional ports that are still plugged in.
- Take a Phillips #0 screwdriver and remove two top panel screws.

Step 3





- Press down the latch pin and pull the top tower cover towards yourself at the same time.
- When the latch pins are disconnected, slide the cover upwards towards the ceiling.

⚠ Do not immediately pull upwards, this will bend and damage the pins for reassembly purposes.

Step 4

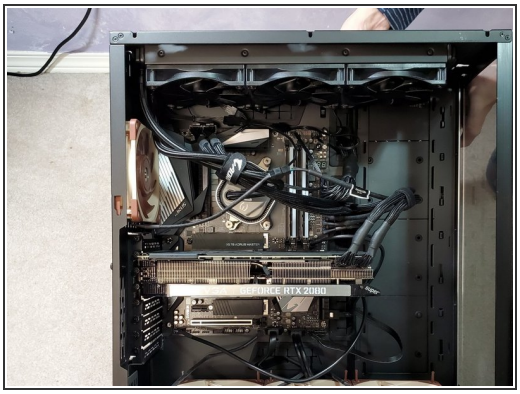


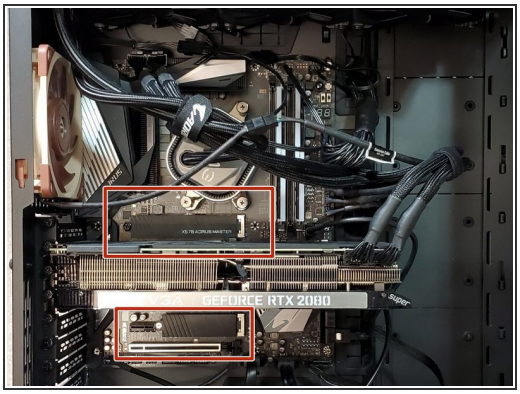
- Use both hands to gently grab the top and bottom portion of the glass side panel. Then pull upward towards the ceiling to remove the panel.

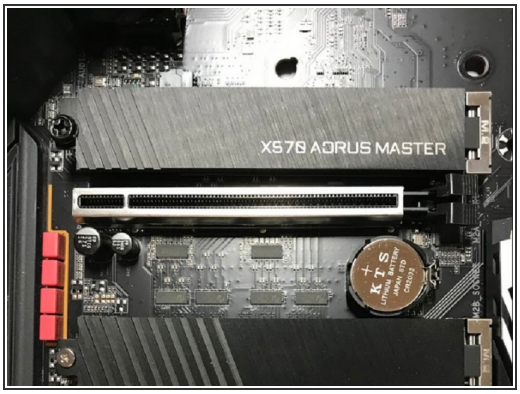
⚠ When removing glass from a modern high end PC, make sure to distribute pressure away from resistance (pins, latches, and tabs).

ⓘ Most steel and metal computers will follow this general procedure.

Step 5







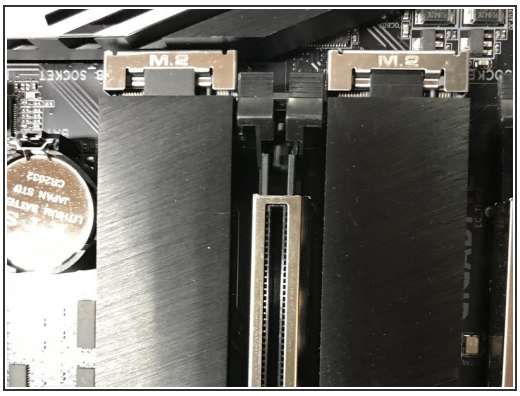
- Tilt the computer tower using both hands to lay the tower horizontally flat to get a complete view of the motherboard.
- Locate the SSD slot labelled M.2. The slots will on the center to bottom portion of the motherboard.

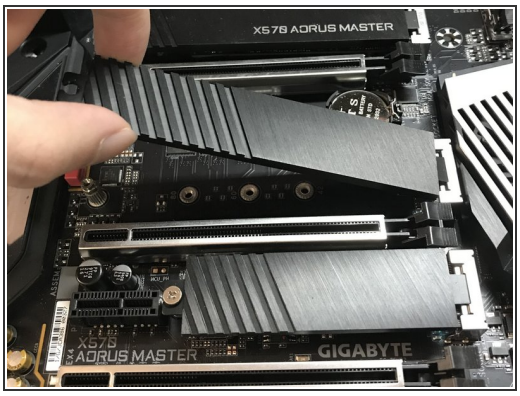
Step 6

- Before working on the motherboard component, make sure to clip an anti static wristband to the computer tower to ground yourself.

⚠ In the case you do not have ESD or anti static discharge equipment, make sure to touch a metal object before proceeding into further steps. This will reduce chances of you unintentionally frying your motherboard.

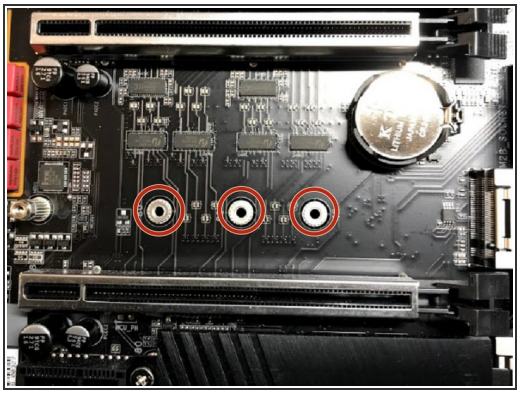
Step 7





- Unscrew the opposite end of the M.2 cover and gently pull diagonally to reveal the SSD slot.

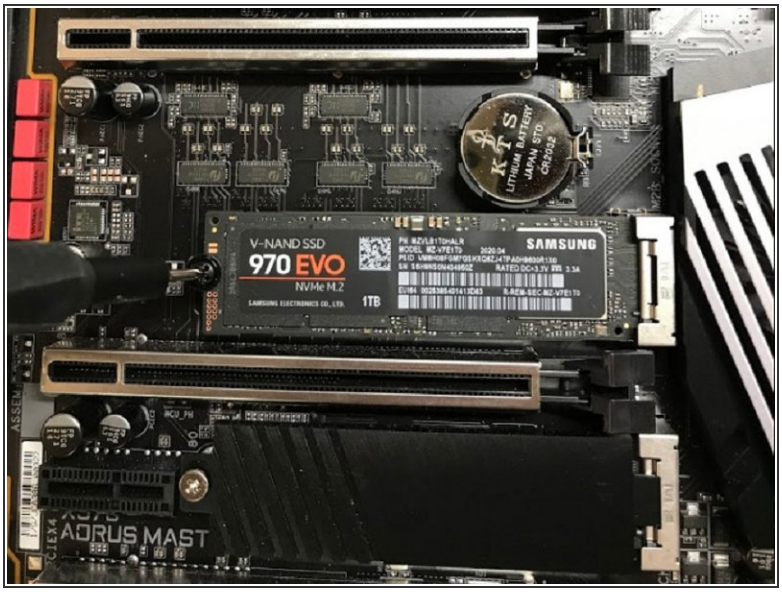
Step 8




- Once you have removed the cover, you should see three silver screw mounts. Your SSD size will align correctly to the appropriate length hole.
- Align the M.2 SSD pin with the correct connector slot and gently push in.

⚠ The M.2 port has a specific pin shape to correctly align the SSD.

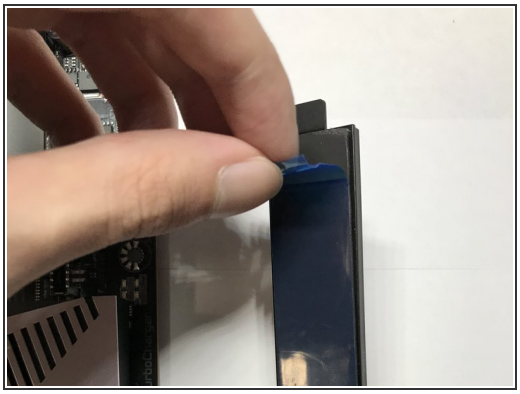
Step 9

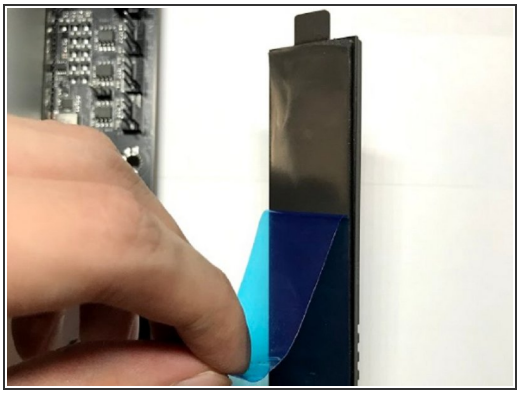


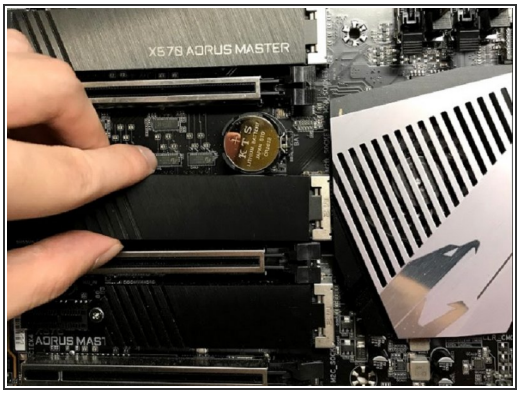
- Use the computer supplied (2.0 x 3.0 mm) Phillips #0 screws to secure the SSD in place.

ⓘ The M.2 SSD is now installed. You can reassemble your tower or mount the motherboard onto the PC now. Further steps is to insure the SSD is covered from dust.

Step 10







- Peel off the plastic film on the underside of the M.2 dust cover to reveal the adhesive.
- Place the dust cover end edges first into the area label M.2. Then slowly press down throughout the cover ensuring adhesive contact.

⚠ Do not place the adhesive in the center or on the SSD first. This can cause complication aligning it correctly.

ⓘ The plastic film may get stuck in chucks. Do not use finger nails or sharp objects to pick at the film. The adhesive cover is soft and spongy. Use a blow dryer to soften the adhesive then grab it gently pulling towards yourself.

Step 11

- Use the computer supplied (2.0 x 3.0 mm) Phillips #0 screw to secure the SSD dust cover.

To reassemble your device, follow these instructions in reverse order. These steps will vary if you are dissembling your own computer.

