

The following instructions and pictures are provided to assist your installation of the EVGA FTW3 Hybrid Cooling Kit to the EVGA GeForce RTX™ 3090 and 3080 FTW3 graphics cards. Please be careful installing the Kit; there are several very small fasteners used that can be stripped if you are not careful.

Please be sure to keep your original shroud, heatsink, and screws so your card can be returned to its original condition in case you ever need to submit for warranty.

All steps include removing the original shroud, heatsink, and screws, and then replacing those with the included new shroud, heatsink, waterblock, and provided screws, with a few exceptions. Several included accessories may include extras. EVGA recommends a Phillips #1 screwdriver for all screws.

All suitable P/N for HYBRID installation are listed below. Please refer to the following table.

# Graphics Cards	Part Number
RTX™ 3090 FTW3 ULTRA	24G-P5-3987-KR
RTX™ 3090 FTW3	24G-P5-3985-KR
RTX™ 3080 FTW3 ULTRA	10G-P5-3897-KR
RTX™ 3080 FTW3	10G-P5-3895-KR

Included Accessories:

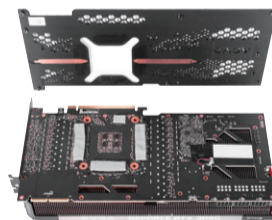
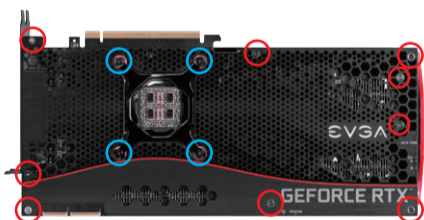
1	EVGA HYBRID Shroud with VRM Heatsinks/Fan Bracket	7	M2 x 5mm screws (PCB + tube bracket). 8 pcs screws. PN: BAA120050054
2	GPU & Memory Baseplate	8	Rubber plugs. 3 pcs. PN: BGB030007002
3	EVGA HYBRID Pump and Radiator	9	Tube Bracket. 1 pc. PN: ALA2226071001
4	M2.5 x 6.9mm spring screws (GPU). 7 pcs. PN: BAA125069001	10	Zip ties 4pcs and EVGA Cable ties 2pcs
5	M2 x 8.5mm Backplate screws (BP). 10 pcs. PN: BAA120085039	11	8pcs screws and 8pcs washers to mount radiator
6	Mylar washers for spring screws. 5 pcs. PN: BGD100000003	12	Thermal Grease 1 pack



Instructions:

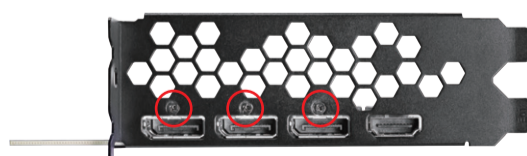
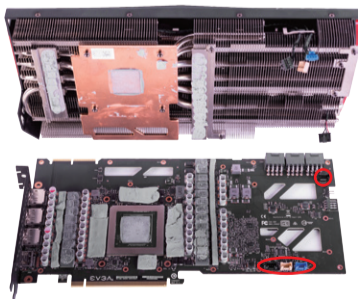
1. Remove the 9 BP screws circled in red and carefully remove the backplate. Next, remove the 4 GPU screws circled in blue and remove the GPU bracket.

For RTX 3090 FTW3 ULTRA and FTW3 cards: Removing the backplate may require some force to loosen up the thermal pads. Make sure to place the thermal pads on the backplate as shown in the image below, as you will reuse the backplate and thermal pads.

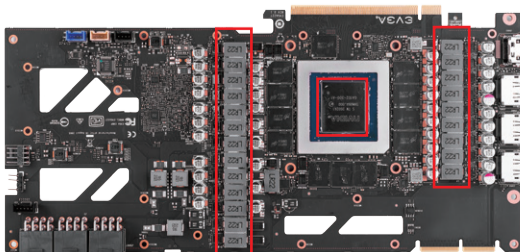


2. Turn the card over and remove the heatsink from the card. Remove the fan connectors (blue, beige, and black) first, and then the LED connector (black) as you lift the heatsink off the card.

3. Remove the 3 screws on the I/O bracket and set them aside. You will reuse them later.



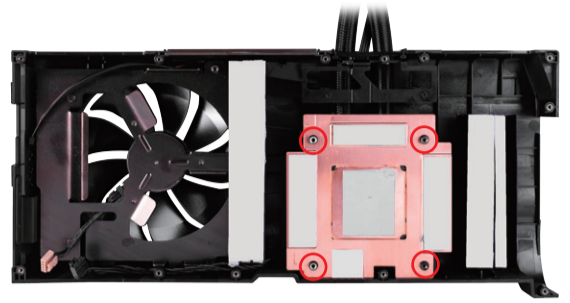
4. Using a lint-free cloth and high-percentage isopropyl alcohol, carefully clean the GPU and remove any leftover thermal putty on the graphics card in the regions marked in the image. Try to replace any loose thermal pads back onto the original heatsink/cooler in case you need to restore the card to its original condition.



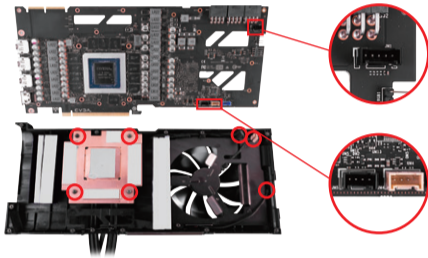
5. Set the card aside for now, and remove the shroud, pump/waterblock, and the tube bracket from the HYBRID kit. Place the pump in the notched locations in the shroud, then secure the tubing with the tube bracket. Use two tube bracket screws in the location marked below. Remove the plastic cover over the pump/waterblock before proceeding to the next step.



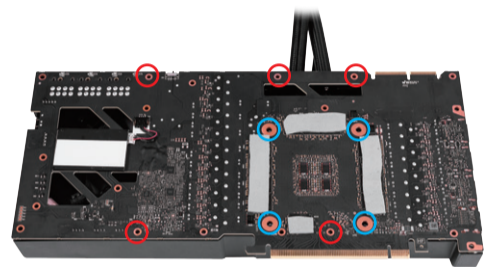
6. Remove the GPU/Memory heatsink from the HYBRID kit and place it over the 4 mounting holes over the pump/waterblock as seen in the image below. At this time, remove any protective covering/tape over the thermal pads before moving to the next step.



7. At this time, you will install the PCB onto the HYBRID cooler. First, you will need to reconnect the fans and LED connector. Connect the LED connector first, then connect the beige and black fan connectors to their respective headers. The blue header will remain empty. Lastly, line up the screw holes and lower the PCB onto the HYBRID cooler.



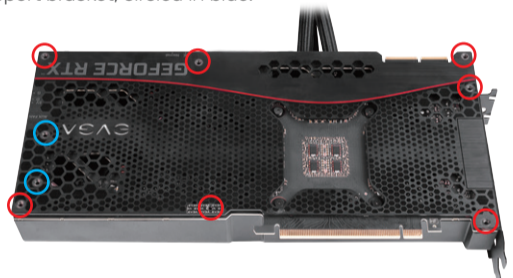
8. Place a paper washer under the 4 GPU screws, circled in blue, and fasten them loosely. Next, fasten the 5 PCB short screws, circled in red. Fully fasten the GPU screws at this time.



9. Reinstall the I/O bracket and loosely fasten the 3 screws you removed earlier.



10. Line up the screw holes and place the backplate on the card. Fasten the 7 BP screws, circled in red. Next, fasten the 3 screws on the I/O bracket. Lastly, install the rubber plugs into the holes designed for the NVIDIA support bracket, circled in blue.



Mounting the Radiator

1. To mount the radiator, it is recommended that the radiator be installed at a level above the HYBRID graphics card. This will reduce pump noise and the potential to create an air bubble in the loop.
2. The radiator will fit mounting holes designed for a 120mm x 120mm case fan, but the radiator will need a mounting area of 120mm x 240mm (approximately two 120mm case fans).
3. The default setting for the HYBRID's radiator/fan is to blow through the radiator and outside the chassis. For that reason, we recommend installing the radiator at the top of the chassis. If you plan to mount the radiator at the front of the chassis, you may wish to consider moving the fans to the opposite side of the radiator before mounting.
4. Make sure that you leave some slack in the tubing lines to prevent damage to the tubing or internal fittings. If the tubes are twisted too much or pulled too tightly, you may cause damage to the pump/radiator or cause the HYBRID kit to begin leaking.
5. When ready, line-up the radiator with the mounting holes on the chassis. On the outside of the chassis use #11 washers and screws to fasten the radiator to the chassis.

Important Information

EVGA FTW3 HYBRID Kit is an AIO Water Cooling System. You do not need to add any coolant, and the system is completely self-contained. EVGA FTW3 HYBRID Kits have been leak-tested at the factory before shipping to customers.

EVGA FTW3 HYBRID Kits are exclusive only to EVGA GeForce RTX 3090 and 3080 FTW3 graphics cards and were not designed to fit on any other graphics cards.

Important Information

Your EVGA FTW3 HYBRID Kit comes with a 1 (one) year warranty. Refer to your EVGA GeForce RTX™ 3090 or 3080 FTW3 graphics card manufacturer's warranty information before installing the EVGA FTW3 HYBRID Kit. Should you damage your EVGA GeForce RTX™ 3090 or 3080 FTW3 during the installation process, EVGA will not be held responsible for any physical damage of your EVGA FTW3 HYBRID Kit, case, motherboard or any associated hardware when damage is caused by improper installation.



Installation Guide