

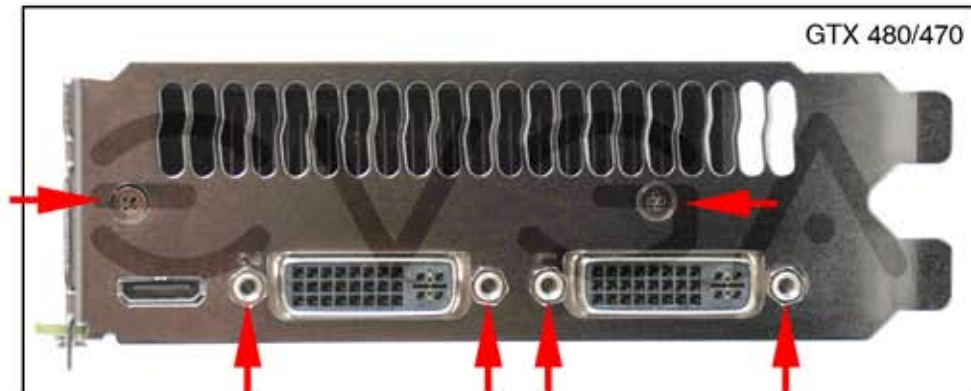
# *Hydro Copper*

**EVGA GTX 480/470 WATERBLOCK**

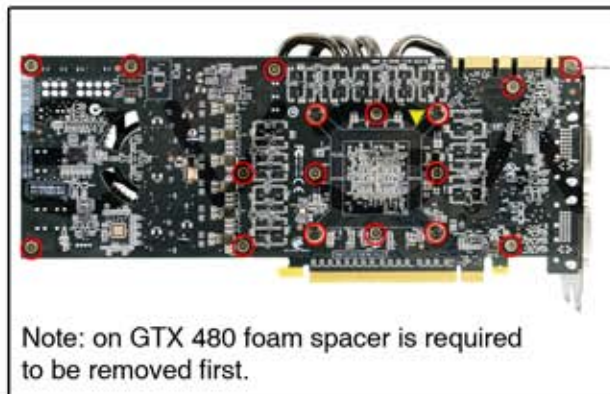
Installation Guide

The following instructions and pictures are provided to assist in mounting the EVGA Hydro Copper Waterblock to the GTX 480/470 graphics card.

- 1) With the DVI ports facing you, remove the two (2) black screws and the four (4) hex screws from the DVI bracket.



- 2) Flip the GTX 480/470 on its back and that the fan is pointed downwards. Remove all the screws from the underside of the GTX 480/470 (highlighted below). Now carefully remove the top portion on the heatsink from the GPU.



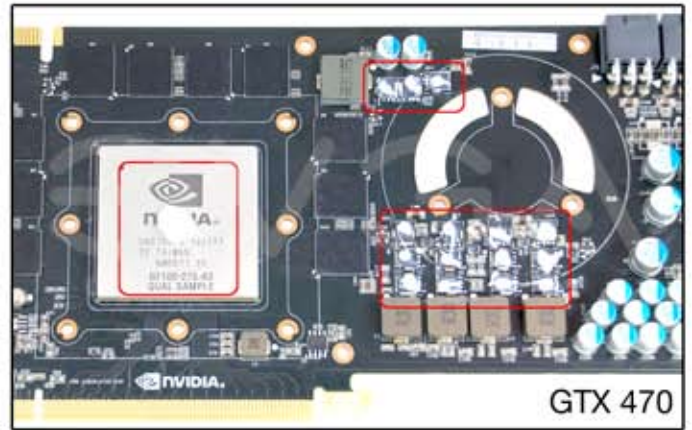
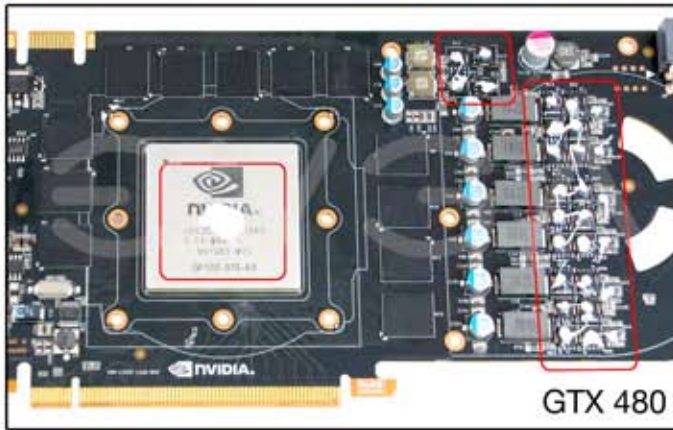
GTX 480\_17 Screws



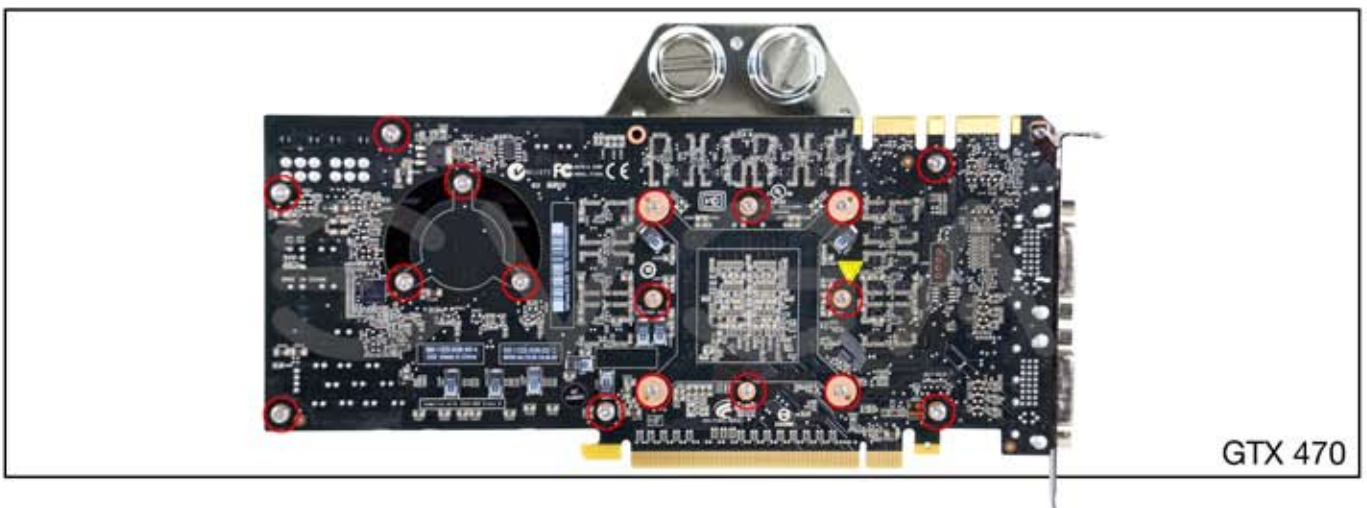
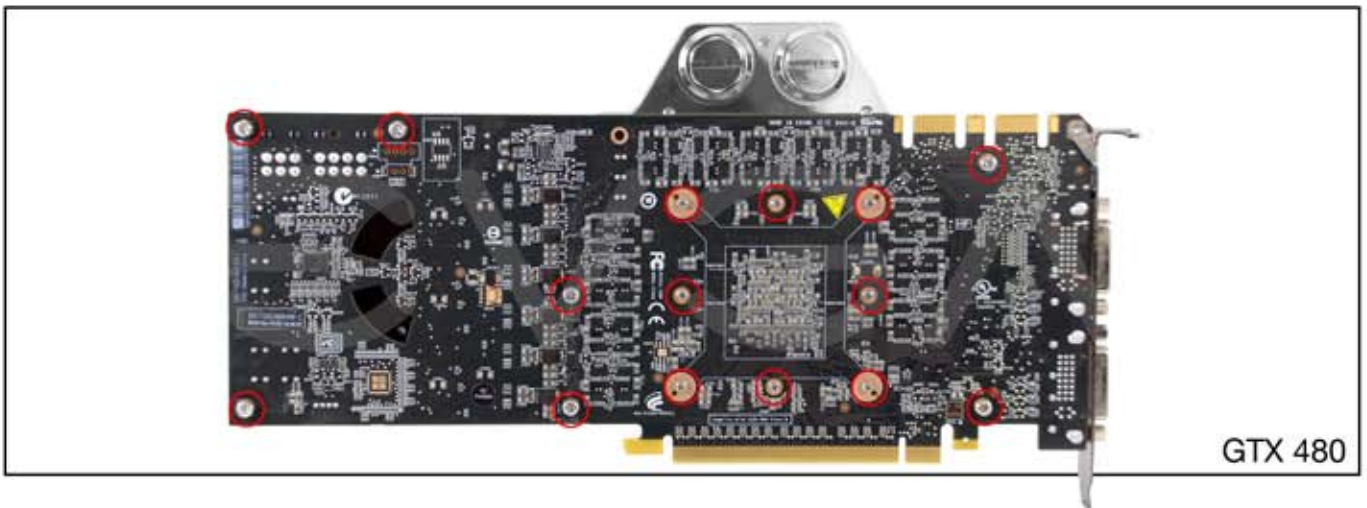
GTX 470\_16 Screws

- 3) Remove all thermal paste from the exposed GPU's and memory. It is recommended to use 91% Isopropyl Alcohol to aid in removing the stock thermal paste. Once you have properly removed the thermal paste from the HIS and the Isopropyl Alcohol has completely dried, add a pea sized drop of the provided thermal paste to the center of the GPU and VRM's. Also, peel off the protective film on the included thermal pads.

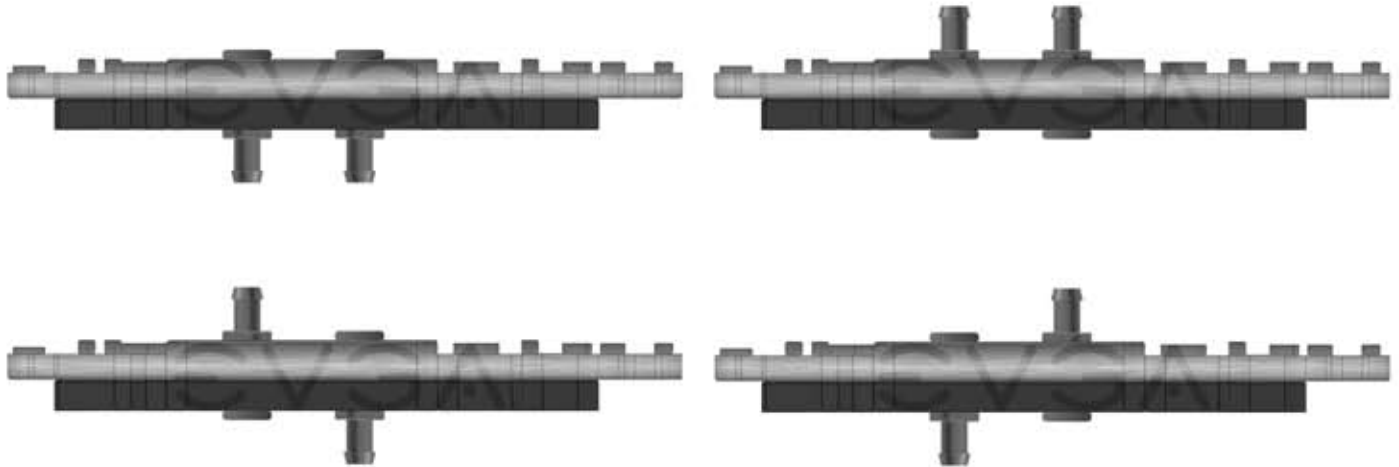
See the pictures on next page:



- 4) Replace the bracket with the single slot bracket in the package, make sure to use the included screw, and the four (4) hex screws you removed earlier.
- 5) Lay the EVGA Hydro Copper Waterblock down with the GPU side facing up, place the GTX 480 GPU side down on to the EVGA Hydro Copper Waterblock and align the screw holes. Once they are aligned begin attaching the included screws to the GTX 480/470, ensure that included washers are used as well. The smaller screws are used for the area surrounding the backside of the GPU, the larger screws are used for the other areas. Be very careful to not overtighten screws.



- 6) Install the provided barbs and stop-fittings. Hose clamps are provided to properly secure tubes to the provided barbs. To properly position the barbs and stop fittings, follow the diagram below:



This concludes the installation process, the EVGA GTX 480/470 Waterblock is now ready to be used.

## Important Information

EVGA Hydro Copper Waterblocks are leak tested at the factory before shipping to the customer, however, it is still recommended to run a full leak test after mounting of the EVGA Hydro Copper Waterblock has been completed and is fully installed into your water loop.

The EVGA Hydro Copper Waterblock is exclusive only to the GTX 480/470 graphics card and was not designed to fit on any other graphics card.

It is recommended to use distilled water or any other popular, certified, and approved liquid coolant. Using tap water or any other liquid not meant for water cooling will cause damage such as corrosion to the EVGA Hydro Copper Waterblock. Such damage will void the limited 1 year warranty.

It is strongly recommended to not use any aluminum components within the same loop as the EVGA Hydro Copper Waterblock. Mixing copper and aluminum can cause corrosion and any corrosion will void the limited 1 year warranty.

Refer to your GTX 480/470 manufacturer's warranty information before installing the EVGA Hydro Copper Waterblock. Should you damage your GTX 480/470 during the installation process, EVGA will not be held liable for the physical damage of your GTX 480/470.

[www.evga.com](http://www.evga.com)