HYDRO COPPER

GEFORCE® GTX™ 1080 / 1070

WATERBLOCK

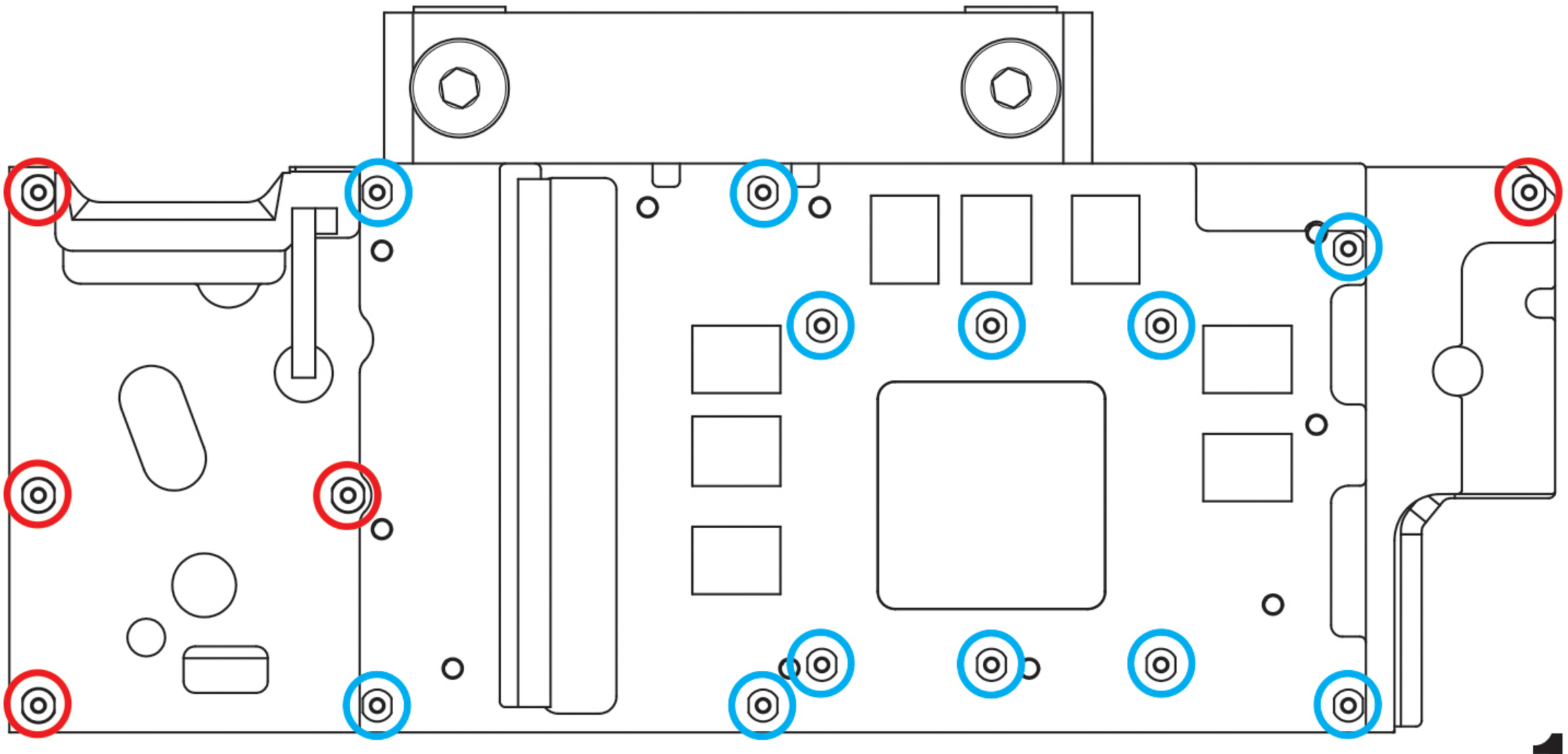
Installation Guide

NVIDIA® GEFORCE® GTX

The following instructions and pictures are provided to assist in the mounting of the EVGA Hydro Copper Waterblock to the GTX 1080 / 1070 graphics card.

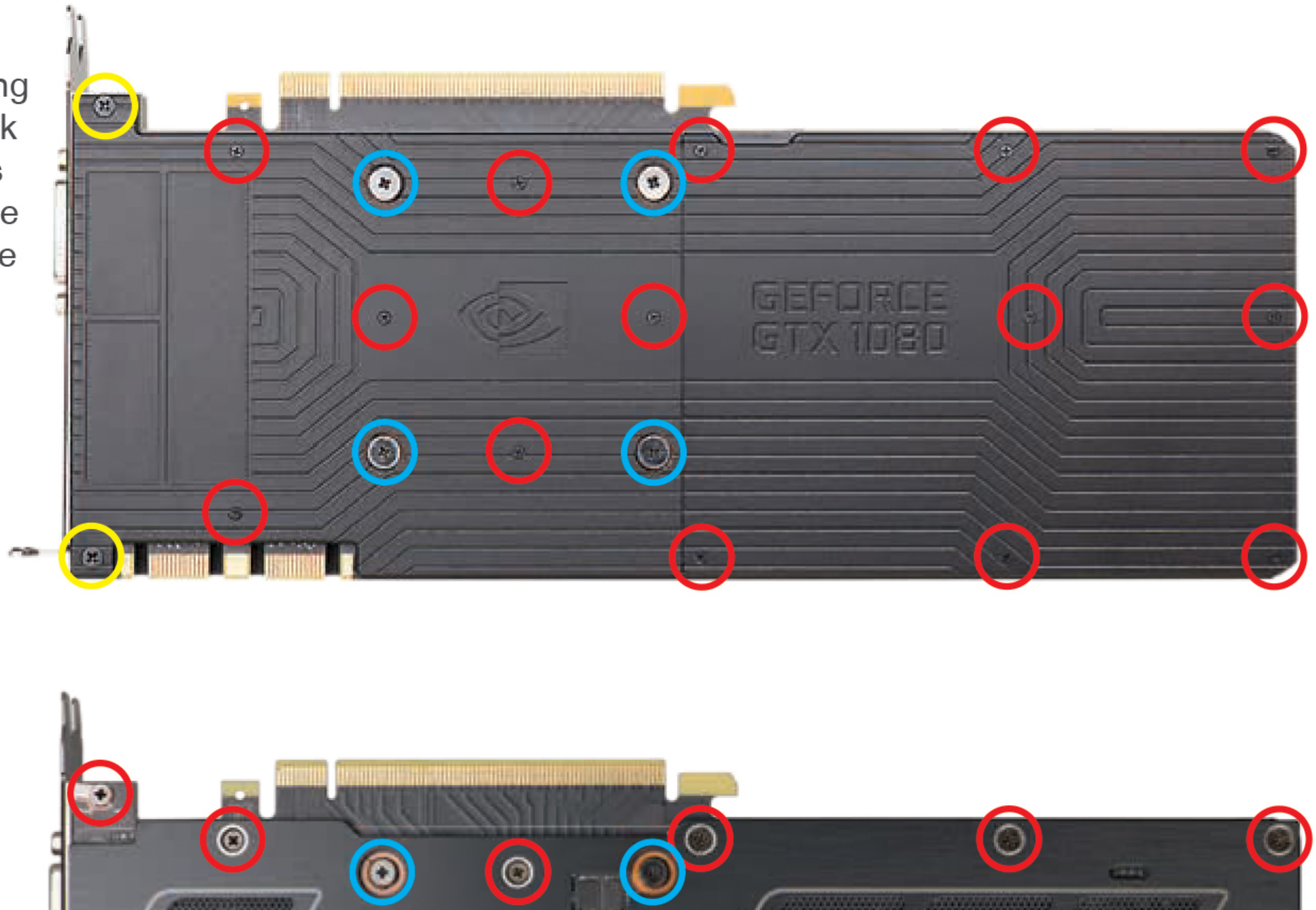
Before you begin , please verify the contents of the box , there should be the following items present:

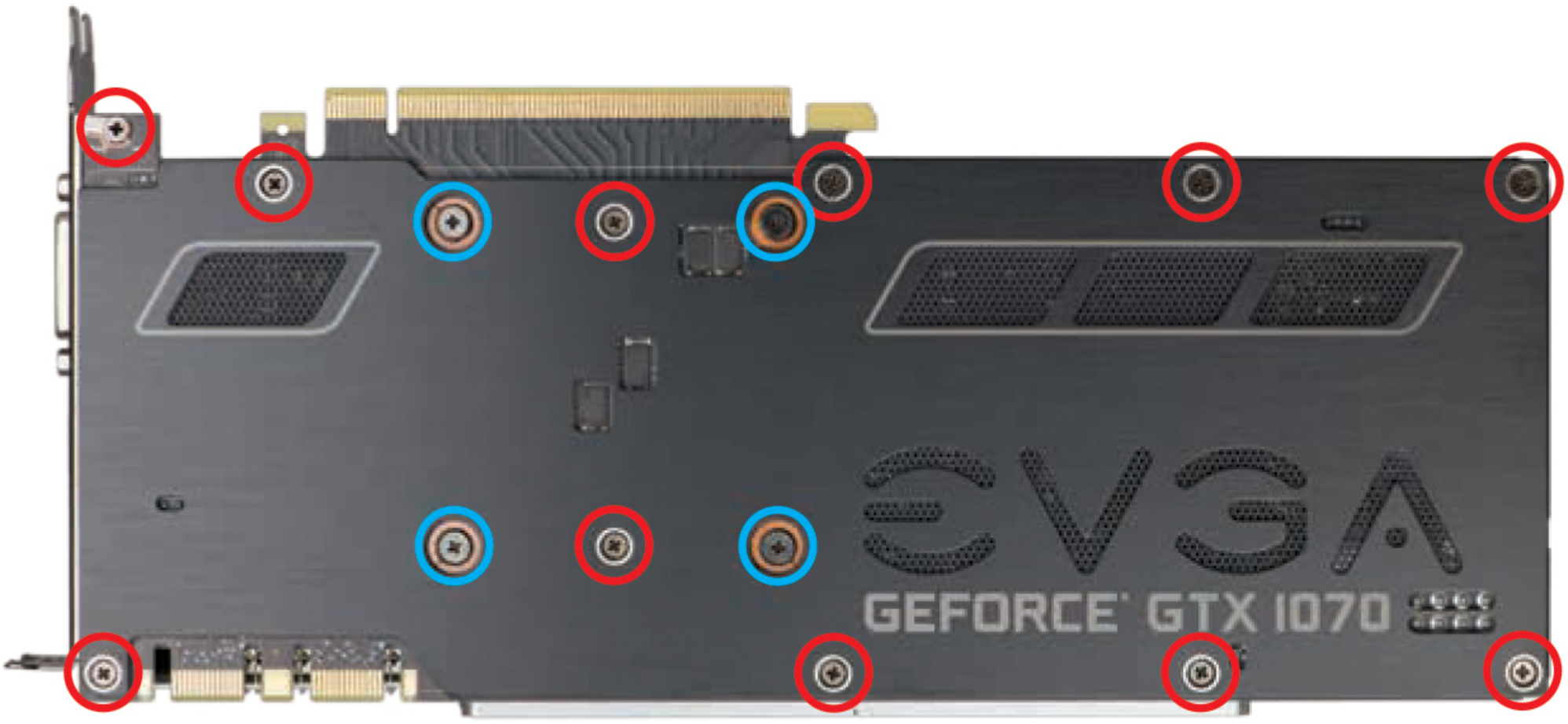
1) **Waterblock , wrapped in bubble paper**
2) **1 allen wrench for the plugs**
3) **2 nut for Bracket**
4) **5 long screws**
5) **14 short screws**

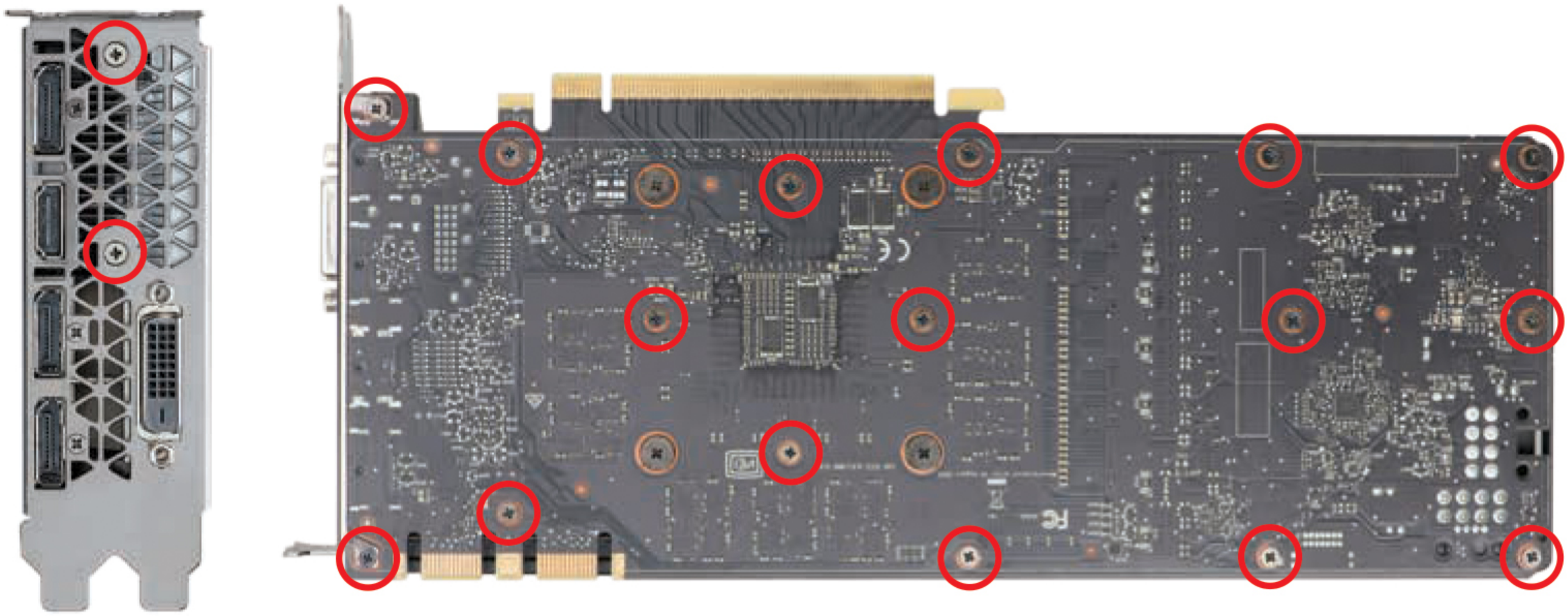


1.

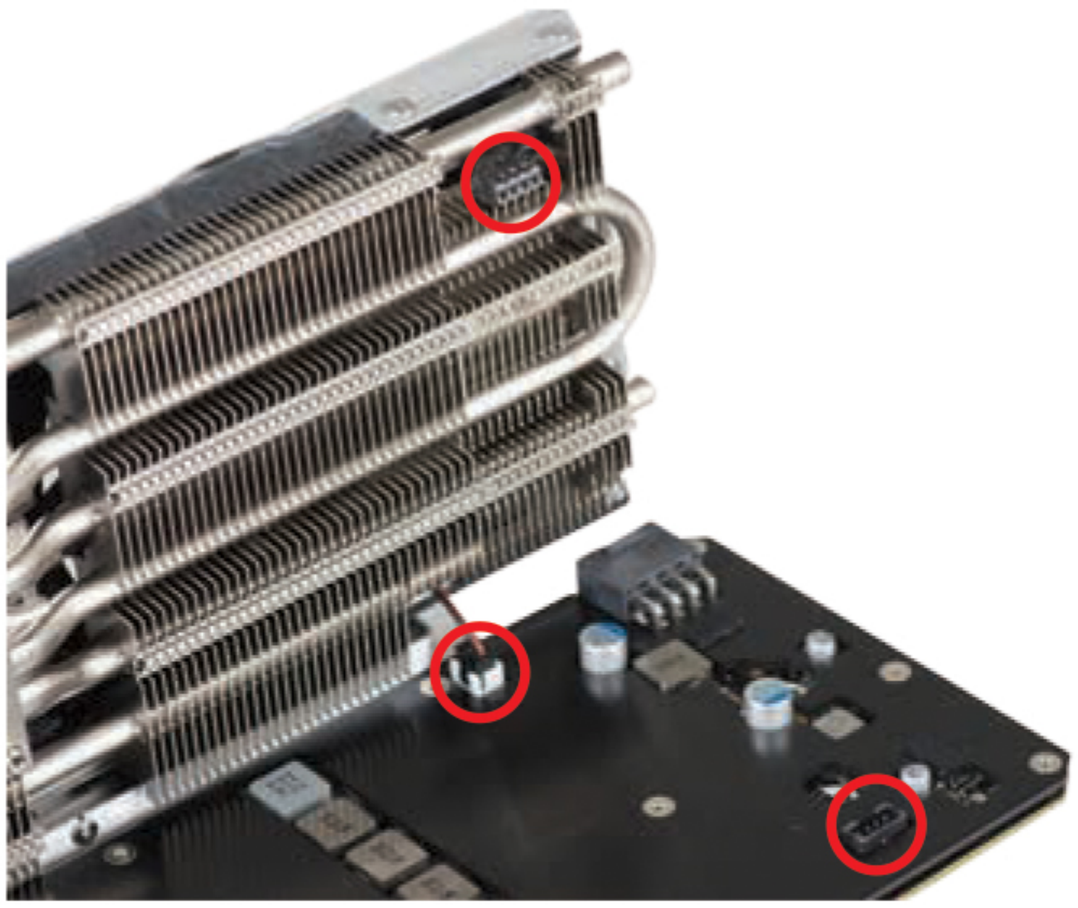
1) Remove the all screws and 4 spring screws on the back side of the card as well as the 2 on the bracket ,(if you are using Founders Edition Card).



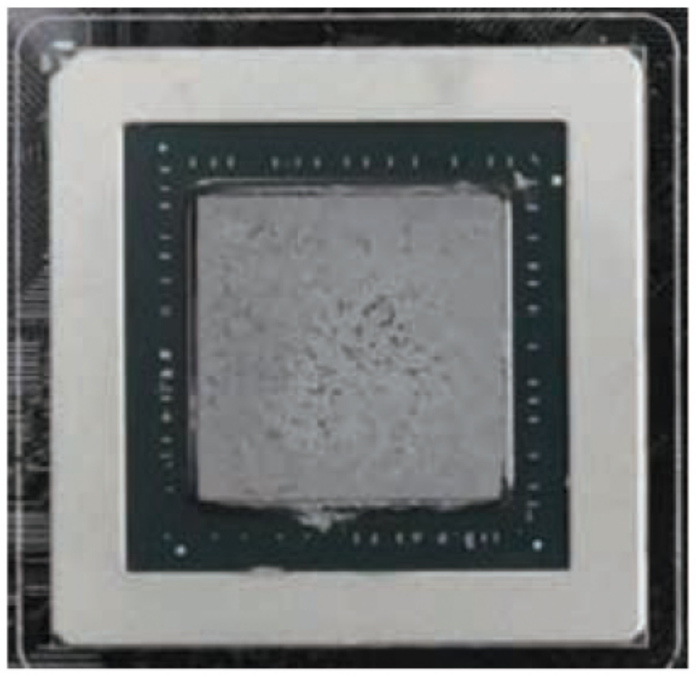




2) Unplug the 4 pin fan header and 2 pin LED header.



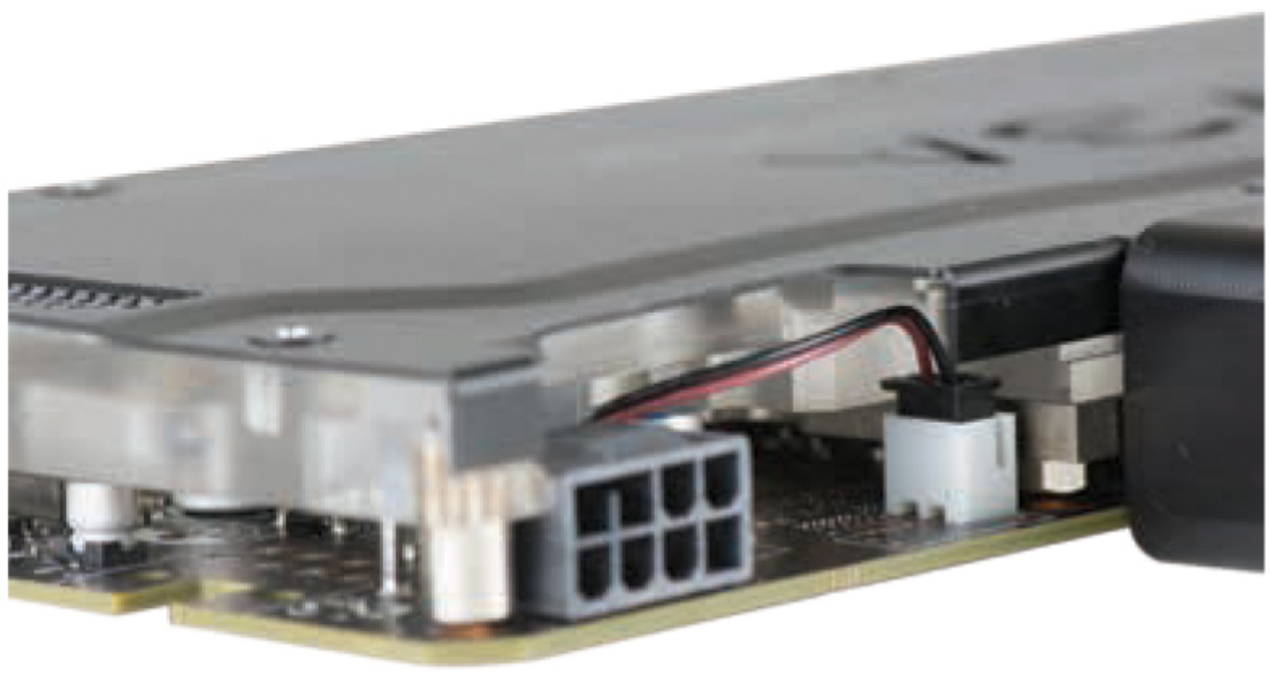
3) Be sure to clean the GPU (see pic) with alcohol (preferably 90 %) then reapply new thermal compound (included).



4) Remove protect film on Thermal Pad of waterblock , then install the waterblock on the card ◦

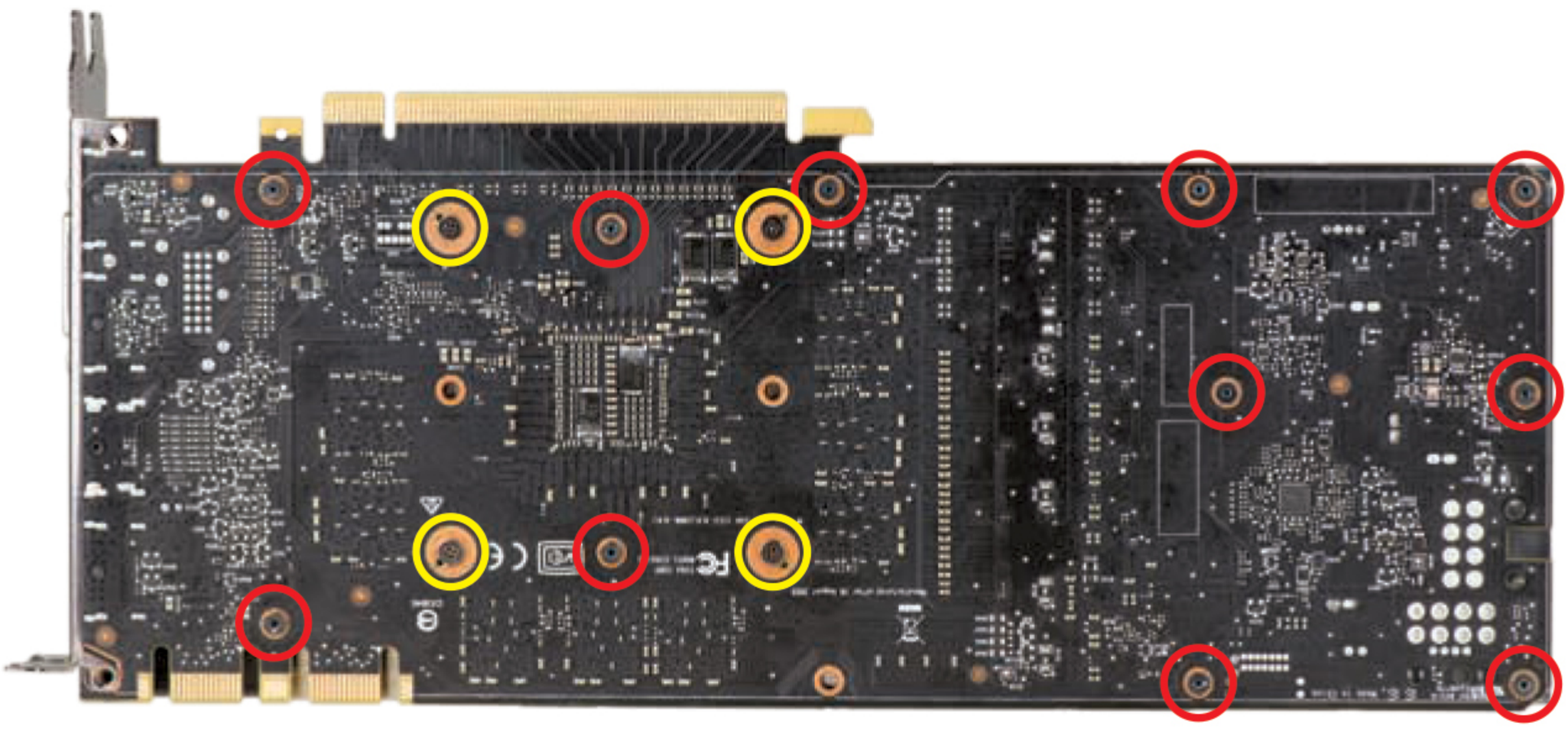
5) Plug the 2 pin connector from the LED on the waterblock into the 2 pin jack adjacent to the 8 pin power connector.

6) There are 3 different methods for installation, A) using the NVIDIA backplate, B) using the EVGA backplate, C) using no backplate. There will be 3 sets of instructions for this portion below.



INSTALLING ON REFERENCE BACKPLATE (A)

A1. Align the waterblock with the card, and in the 4 holes where the spring screws were in originally and enter 4 pcs M 2.5 x 4 screws. Then screw up the 11 pcs original screws on the PCB .



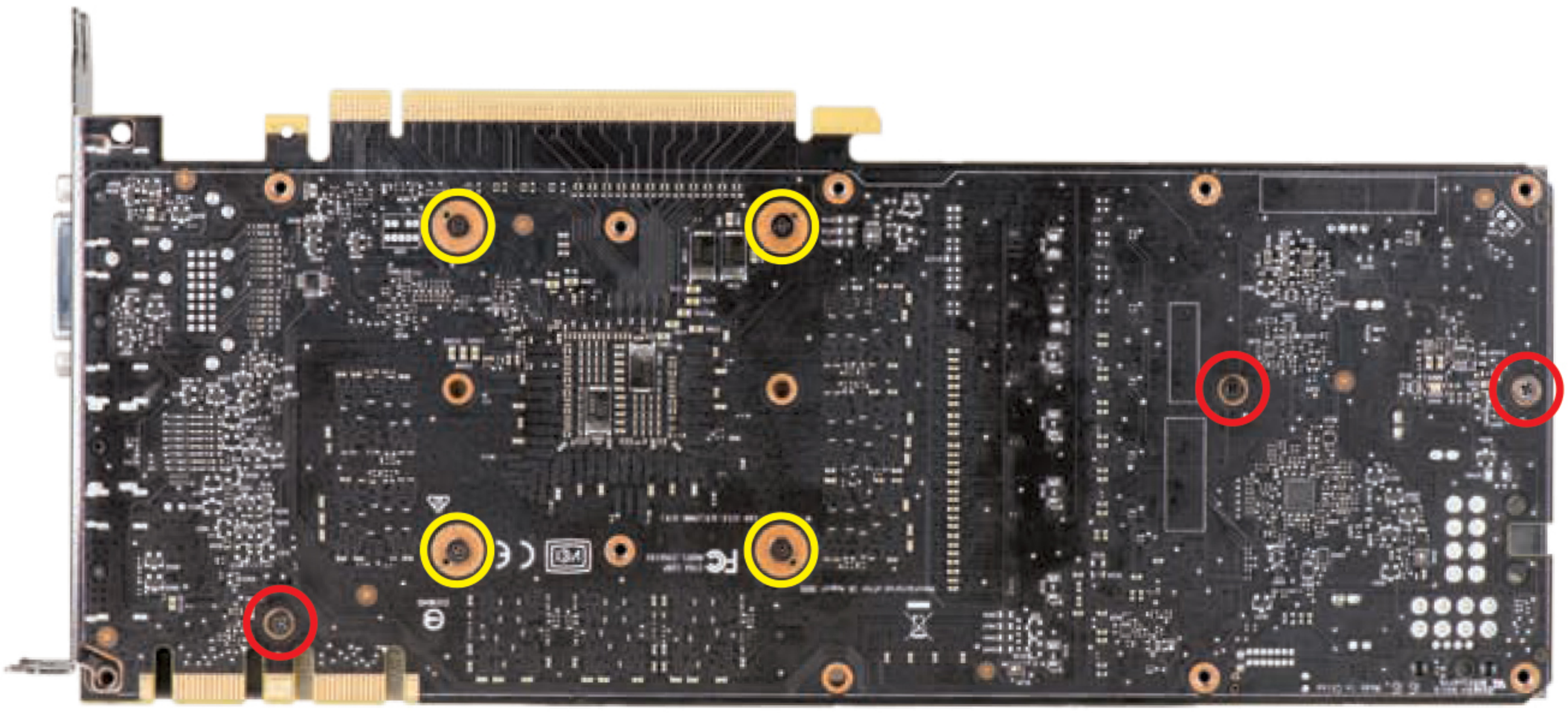
A2. Finish aligning waterblock and install the 11 pcs original small screws into the backplate.

A3. This screw holds down the bracket and needs a nut on the back to hold it in position.

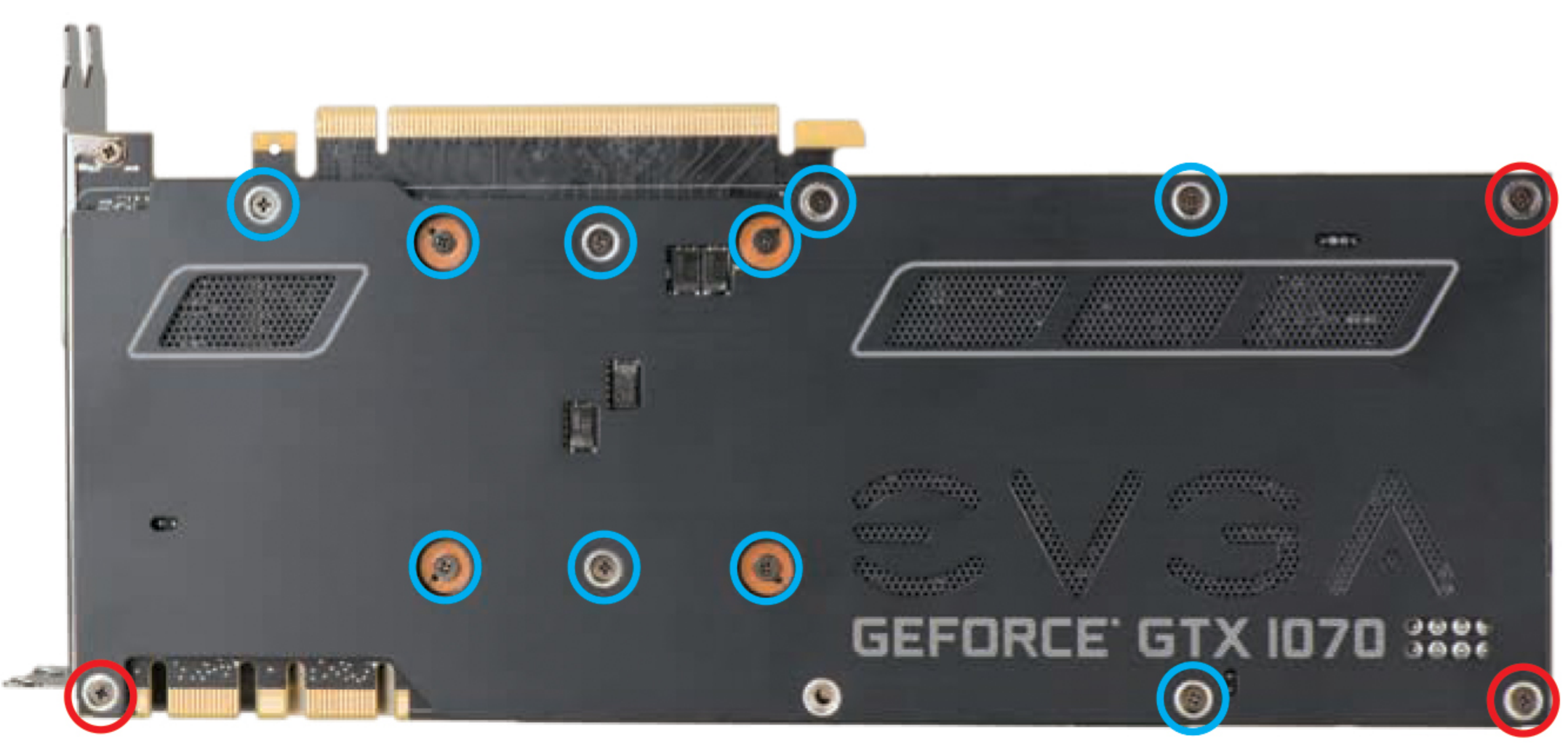
A4. Installation is complete, ensure that the PCB is not bent (if it is you have over-tightened some of the screws) the LED on the nameplate should be on when the PC is powered, and ensure all 6 ports on the connection block are sealed, with either some type of connection or a plug.

INSTALLING ON EVGA BACKPLATE (B)

B1. Install the 2 long screws on the right side and 1 short screw.



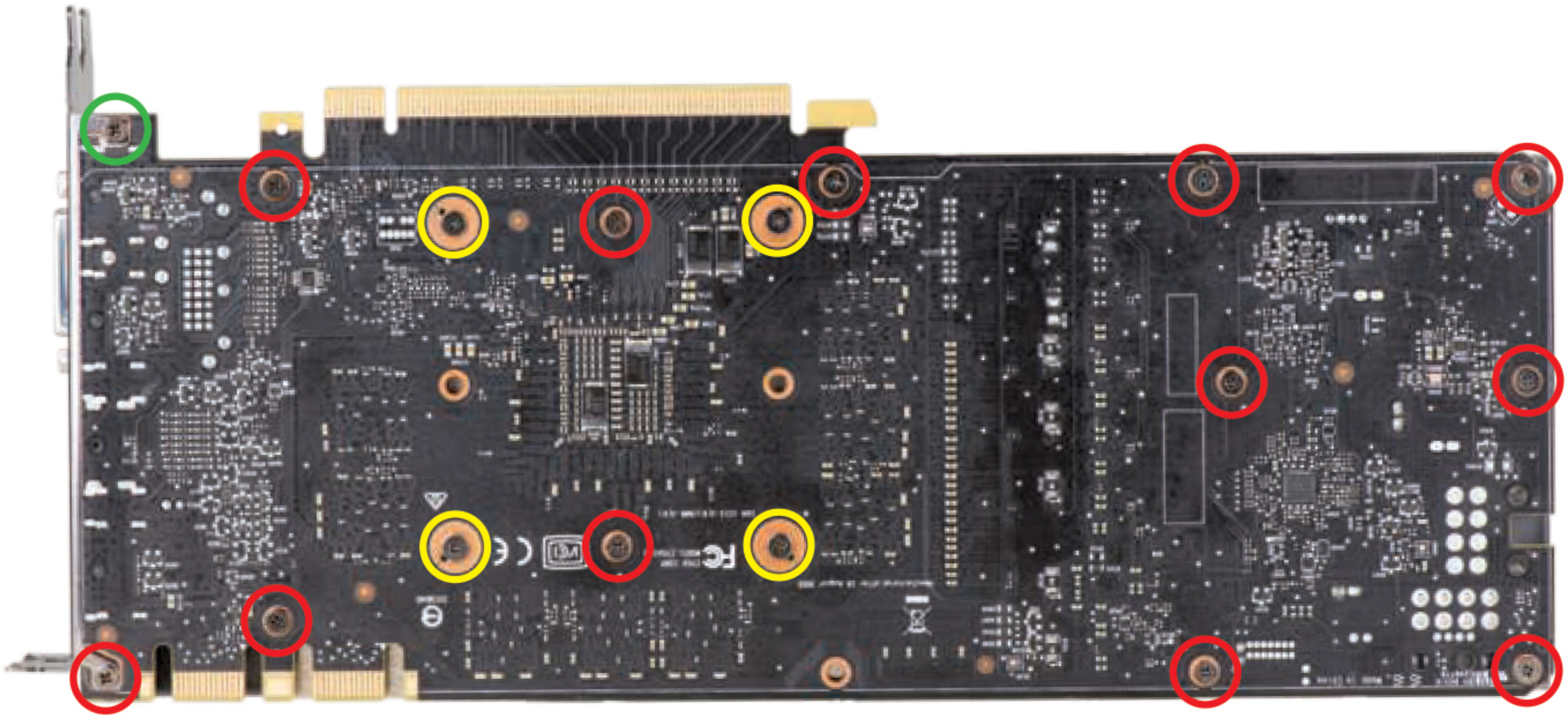
B2. Place backplate on card then screw up all. The red circle use long screws and blue use short screws.



B3. Installation is complete, ensure that the PCB is not bent (if it is you have over-tightened some of the screws) the LED on the nameplate should be on when the PC is powered, and ensure all 6 ports on the connection block are sealed, with either some type of connection or a plug.

INSTALLING WITHOUT A BACKPLATE (C)

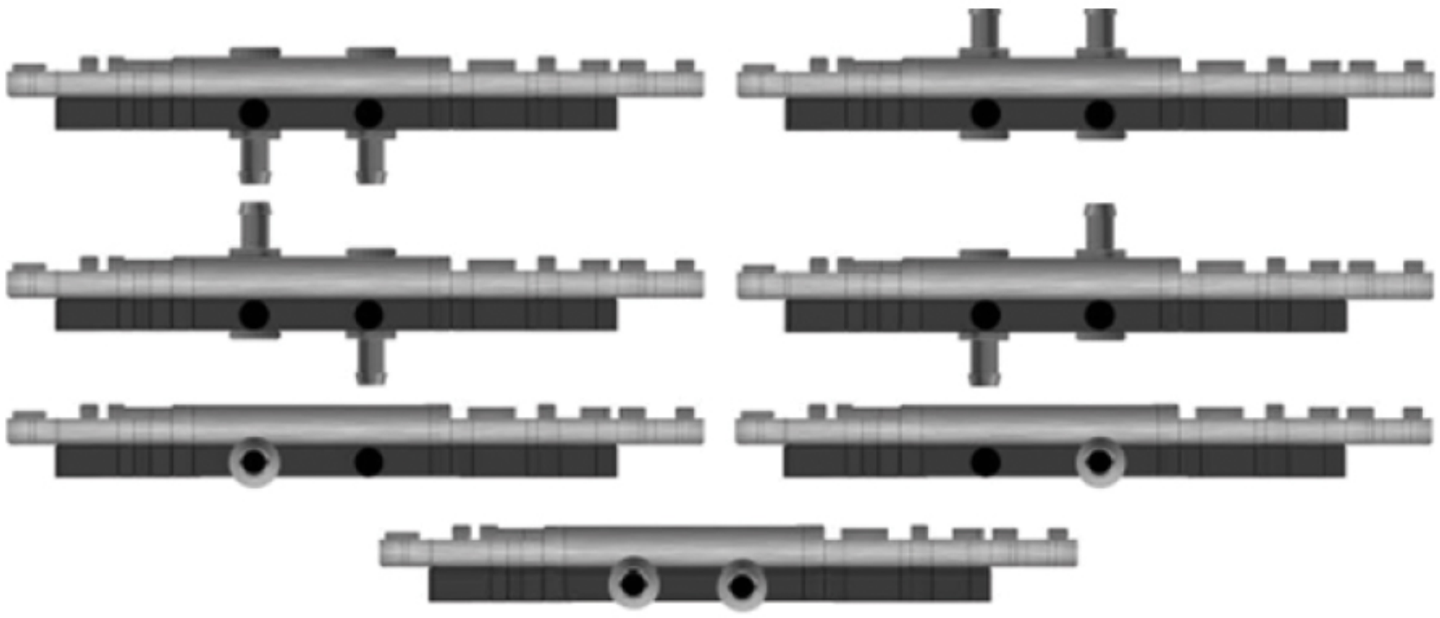
C1. Install the 5 pcs long screws and 12 short screws into the back of the card in the holes listed below. Even the screw and nut on the bracket.



C2. Installation is complete, ensure that the PCB is not bent (if it is you have over-tightened some of the screws) the LED on the nameplate should be on when the PC is powered, and ensure all 6 ports on the connection block are sealed, with either some type of connection or a plug.

At this point your block should be fully seated and ready to test. In ALL installations, please be mindful to NOT over-tighten the screws, as these are rather small and can be stripped if over-tightened. Also, NEVER use power tools to install the waterblock or backplate.

7) Install barbs, stop fittings and hose clamps. The thread size is G 1/4. To properly position the barbs and stops fittings, follow the diagram belows:



This concludes the installation process ; the EVGA GTX 1080 / 1070 Hydro Copper 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 1080 / 1070 graphics card and was also fit on other Founders Edition 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 viod 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 1080 / 1070 manufacturer's warranty information before installing the EVGA Hydro Copper Waterblock. Should you damage your GTX 1080 / 1070 during the installation process , EVGA will not be held liable for physical damage of your GTX 1080 / 1070 .