

HYDRO COPPER
GEFORCE® GTX™ 1080 / 1070 FTW

WATERBLOCK Installation Guide

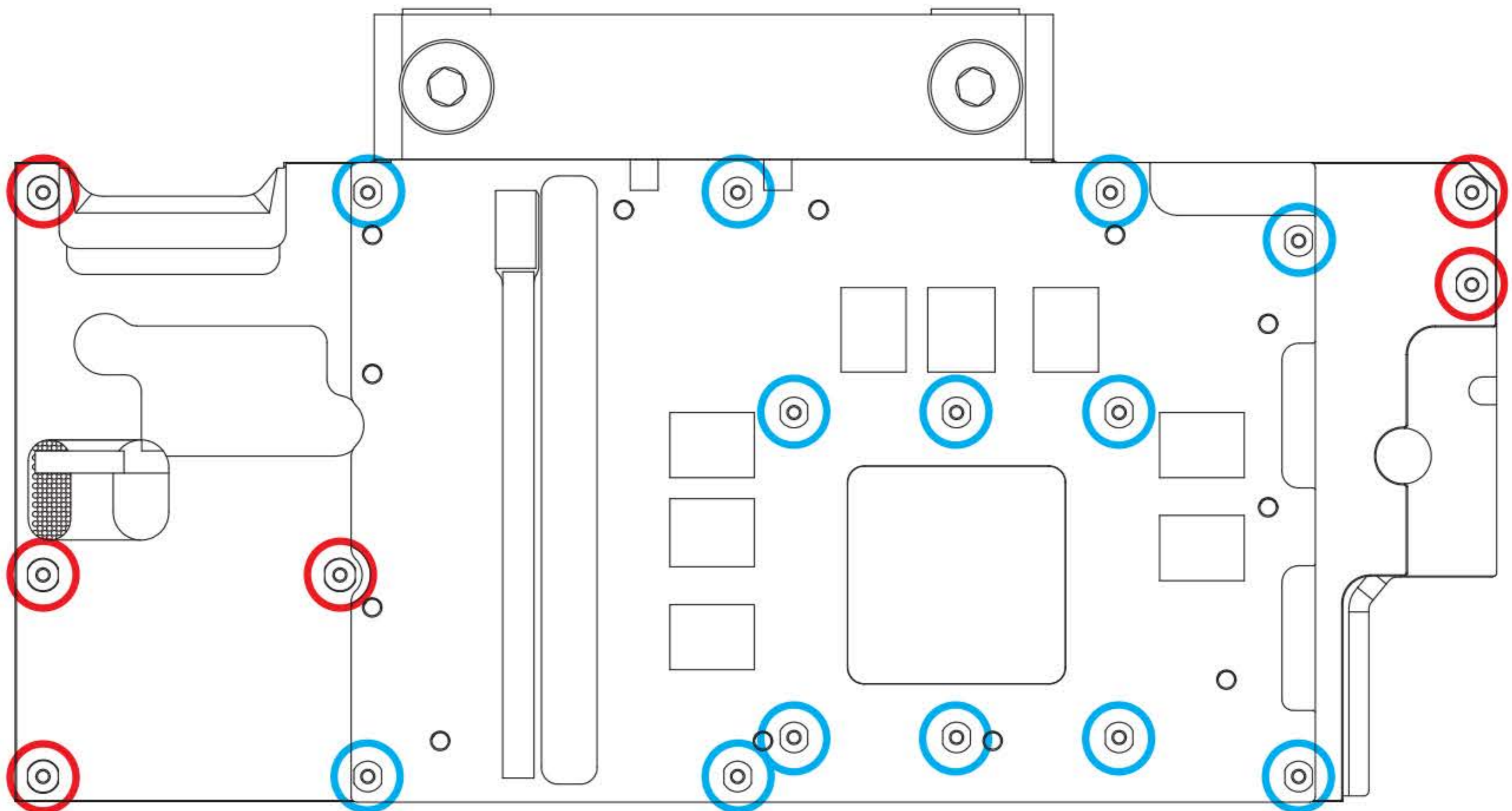


The following instructions and pictures are provided to assist you with the mounting of the EVGA Hydro Copper Waterblock on the GTX 1080 / 1070 FTW graphics card.

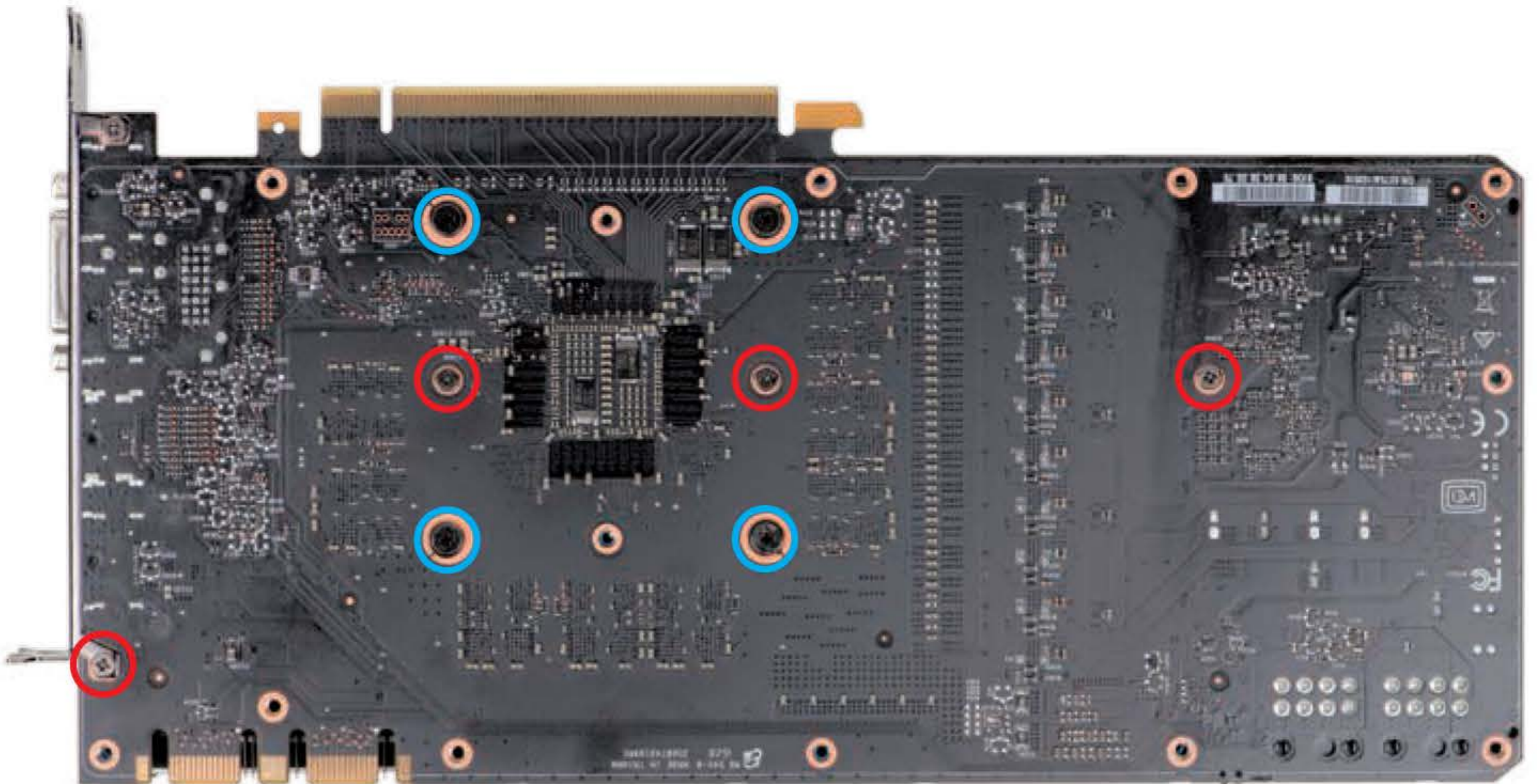
Before you begin, please verify the contents of the box to ensure that the following items are present:



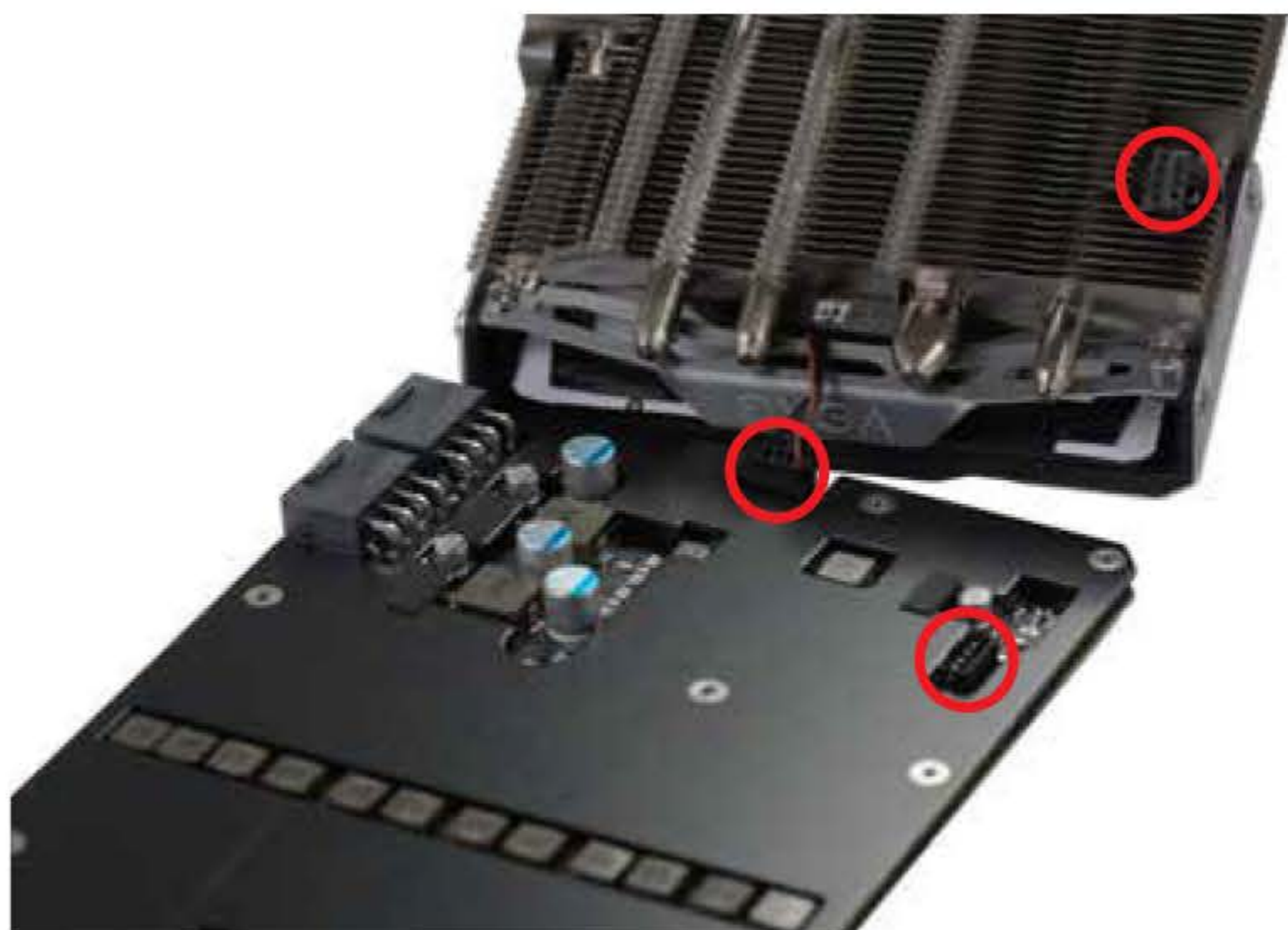
- 1) Waterblock, wrapped in bubble wrap
- 2) 1 Allen wrench for the plugs
- 3) 2 Nuts for FTW Bracket
- 4) 6 Long screws (M2.5 x 5mm)
- 5) 15 Short screws (M2.5 x 4.2mm)



1) Remove the 4 spring screws and the circled screws holding down the backplate, as shown on the first image below. Remove the backplate, then remove the remaining 4 circled screws shown in the second image below.



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

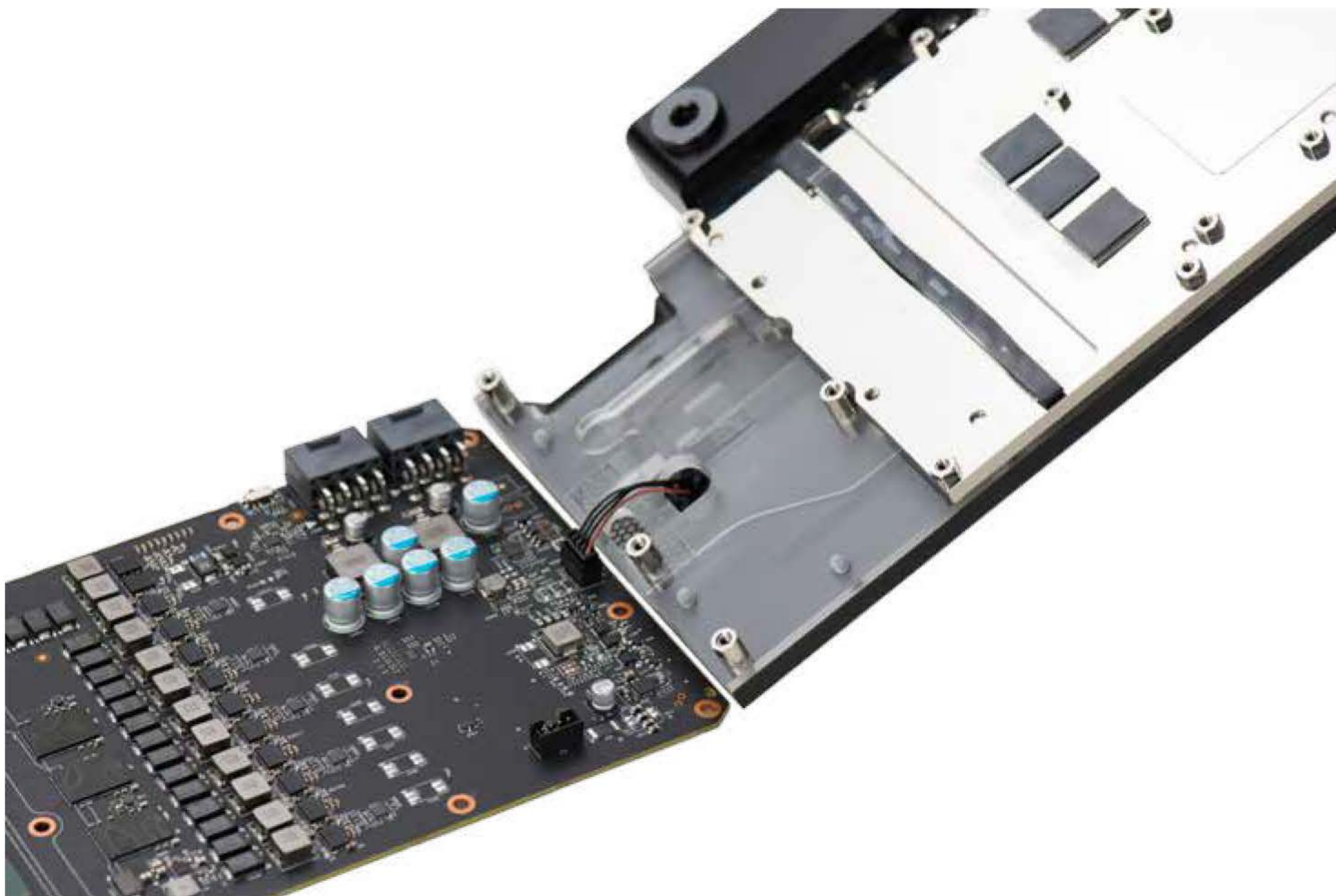


3) Be sure to clean the GPU with alcohol (preferably 90%) then reapply new thermal compound (included).

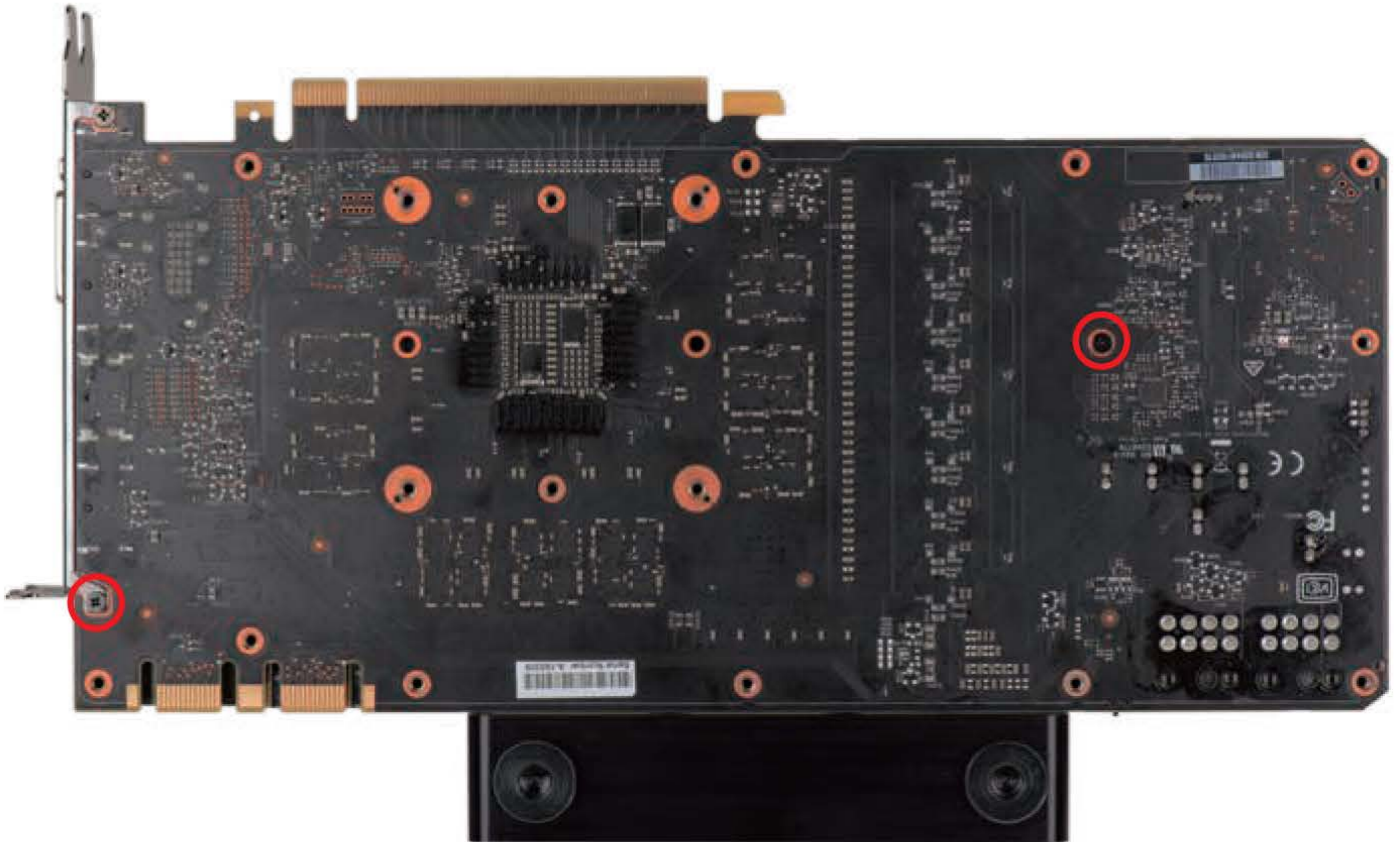


4) Plug the 4-pin connector from the LED on the waterblock into the 4-pin jack.

5) Remove protective film for the Thermal Pads on the waterblock, then install the waterblock on the card.



6) Install the 2 long screws first, circled in red. Note: This part of the installation may be easier if you raise the waterblock above your work surface, or let the bracket hang off the edge of the surface to allow the block and card to remain flat.



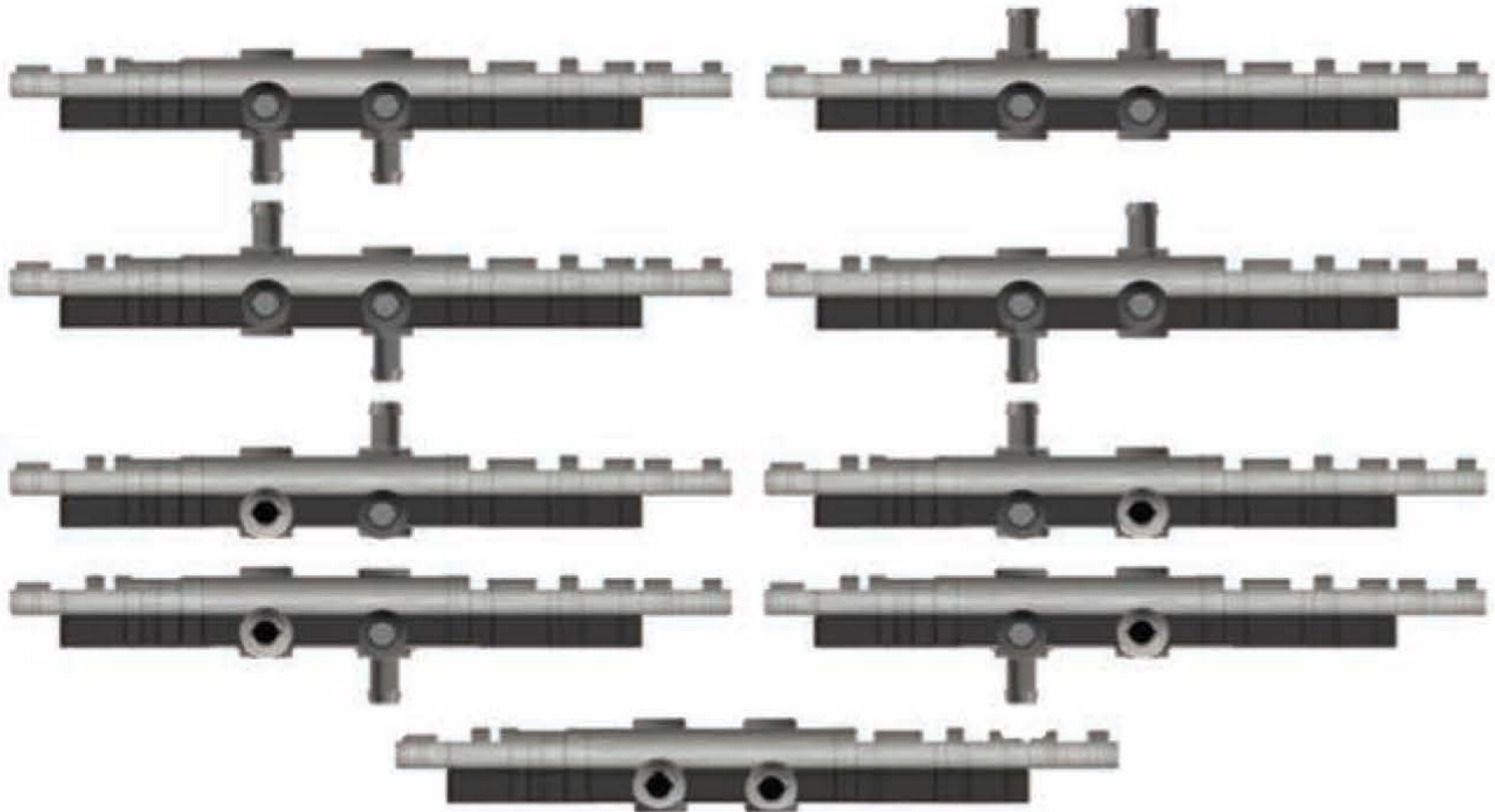
7) Place the backplate on the card and fasten the remaining screws. Use 4 long screws (circled in red) and 13 short screws (circled in blue). Any remaining screws are extras.



8) Installation is now complete. Ensure that the PCB is not bent (if it is, you have over-tightened some of the screws). It is recommended to check during testing whether the nameplate LED lights up when you turn on the PC. If it does not, then you may need to remove the waterblock to check the connection.

At this point, your block should be fully seated and ready to test. For 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. After completing all steps, please Check The nameplate LED should be on when the PC is powered.

9) Install barbs, stop fittings and hose clamps. Ensure all 6 ports on the connection block contain some type of connection (e.g. fitting) or a plug. The thread size is G1/4. To properly position the barbs and stop fittings, follow the diagram below:



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 the EVGA Hydro Copper Waterblock to your GTX 1080 / 1070 FTW and after fully installing the card and block into your water loop. The EVGA Hydro Copper Waterblock is exclusive only to EVGA GTX 1080/1070 FTW graphics cards.

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. Damage of this type will void the limited 1-year warranty.

It is strongly recommended not to 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 FTW 's warranty information before installing the EVGA Hydro Copper Waterblock. If your GTX 1080 / 1070 becomes damaged during the installation process, EVGA will not be held liable for physical damage to your GTX 1080 / 1070 FTW.

Note
