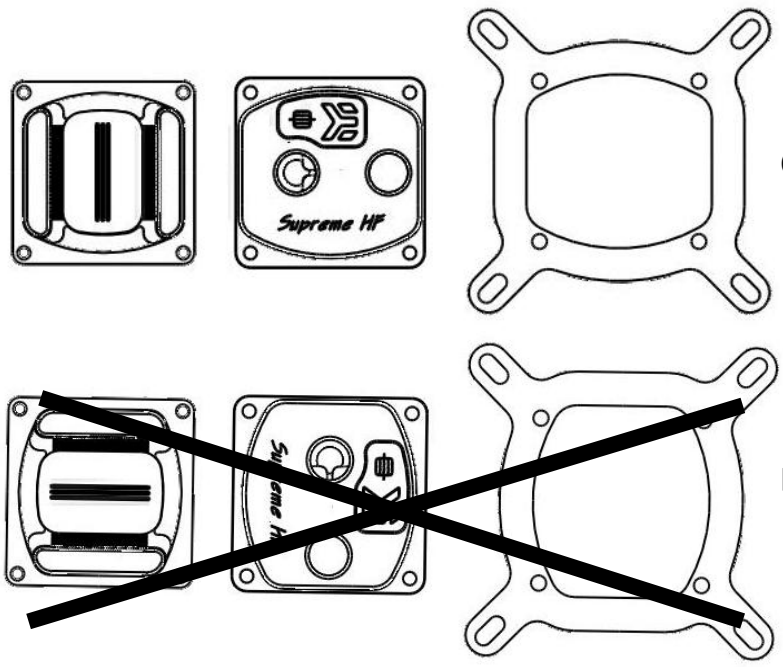
Installation and mounting manual for EK-Supreme HF water block

This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at www.ekwaterblocks.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.

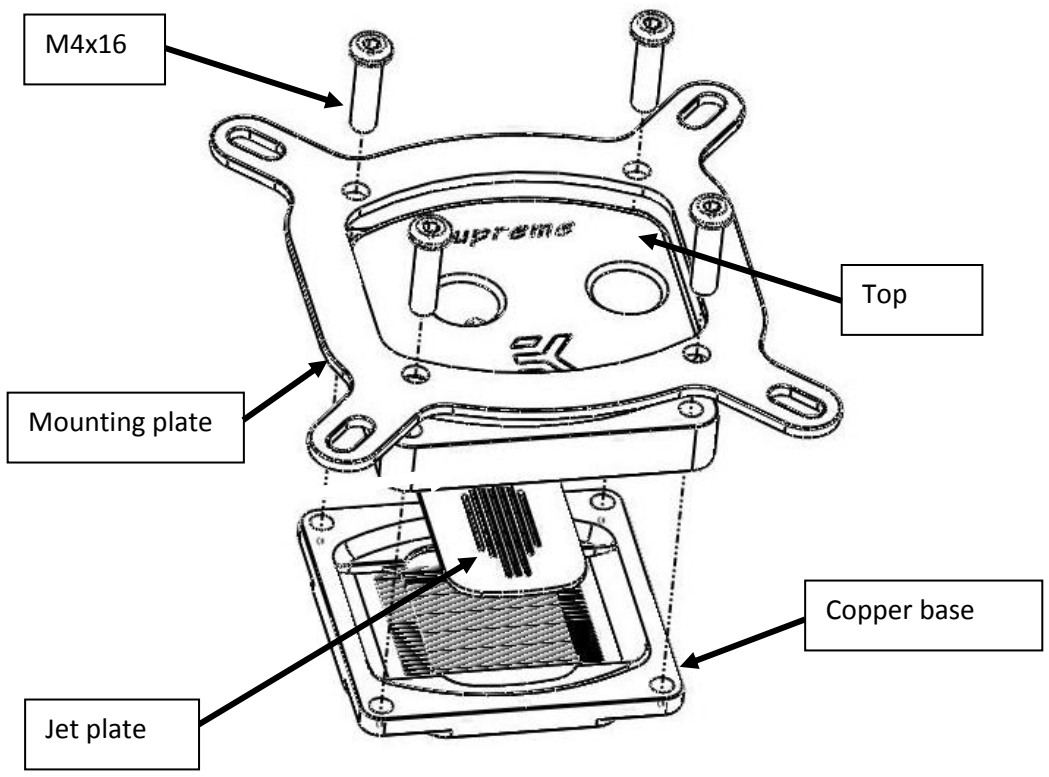
The barb hose fittings require only a small amount of force to screw them in; otherwise the high flow fittings might break. These fittings do not need to be tightened with much force because the liquid seal is made using o-rings.

STEP 1: GENERAL INFORMATION

Please remove your motherboard from the computer to assure safest mounting process possible in order to prevent any possible damages to your PCB.
Sample picture bellow represents the correct orientation of block and its flow path.

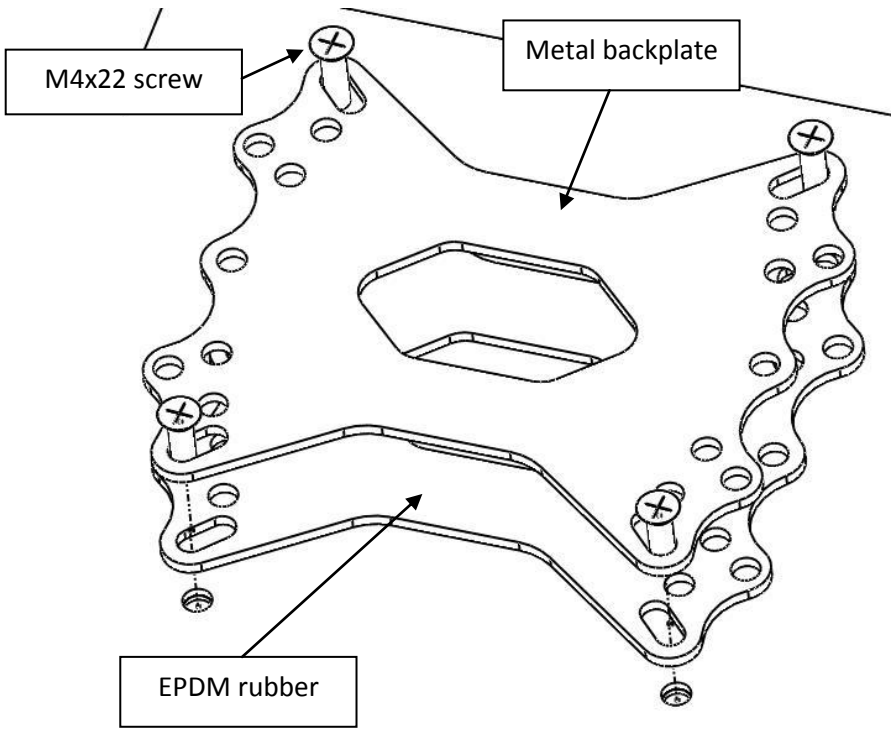


STEP 2: CONTENT OF YOUR WATER BLOCK



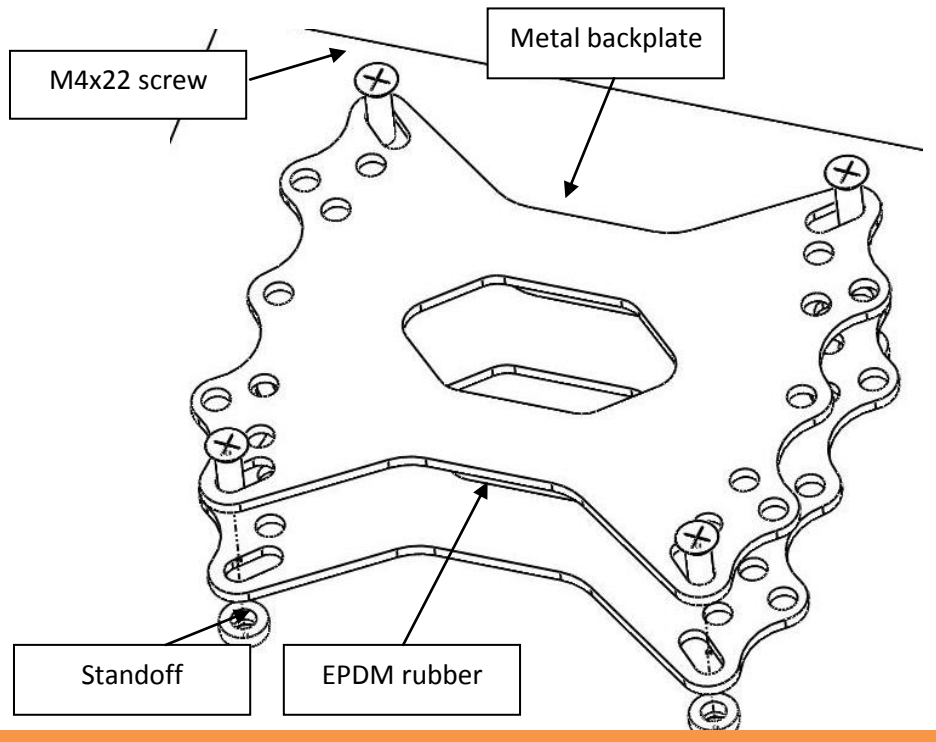
STEP 3. ATTACHING BACKPLATE for Intel LGA-775 socket

When using motherboard with Intel LGA-775 socket, insert screws at positions as shown bellow. EPDM rubber is used as insulator, therefore it must be used underneath the metal backplate.



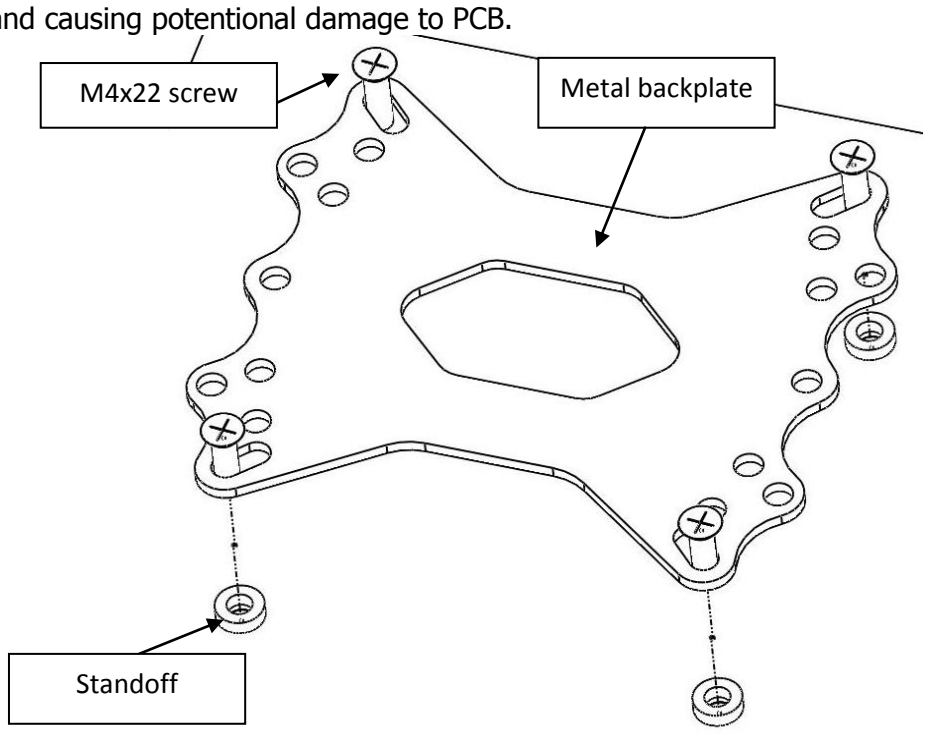
STEP 4: ATTACHING BACKPLATE for Intel LGA-1155/1156 socket

When using motherboard with Intel LGA-1155/1156 socket, insert screws at positions as shown bellow. Standoffs are used to prevent possible overtightening of screws and causing potentional damage to PCB. EPDM rubber must be used in order to prevent socket latch backplate damage.



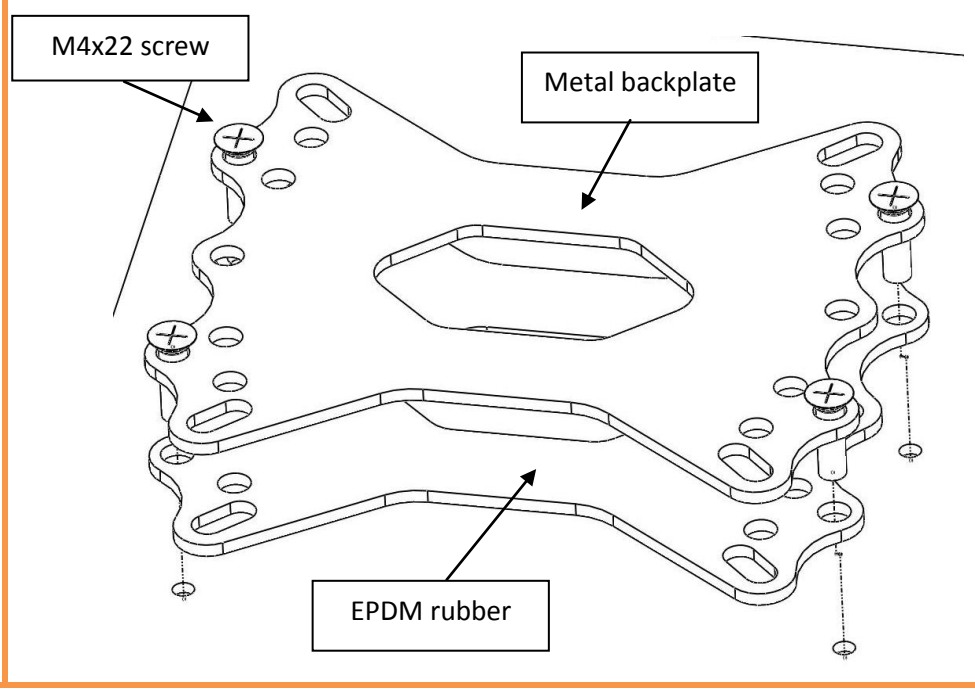
STEP 5. ATTACHING BACKPLATE for Intel LGA-1366 socket

When using motherboard with Intel 1336 socket, insert screws at positions as shown bellow. Standoffs are used to prevent possible overtightening of screws and causing potentional damage to PCB.



STEP 6. ATTACHING BACKPLATE for AMD AM2(+)/AM3(+) socket

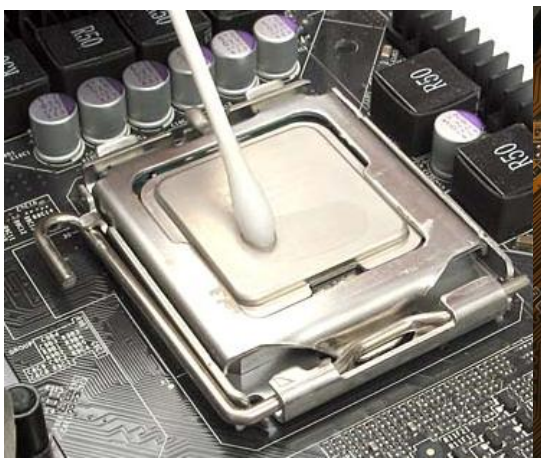
When using motherboard with AM2(+) and AM3(+) socket, you will first have to swap block's Intel mounting plate for enclosed AMD mounting plate. Then insert screws at positions as shown bellow. EPDM rubber is used as insulator, therefore it must be used underneath the metal backplate.



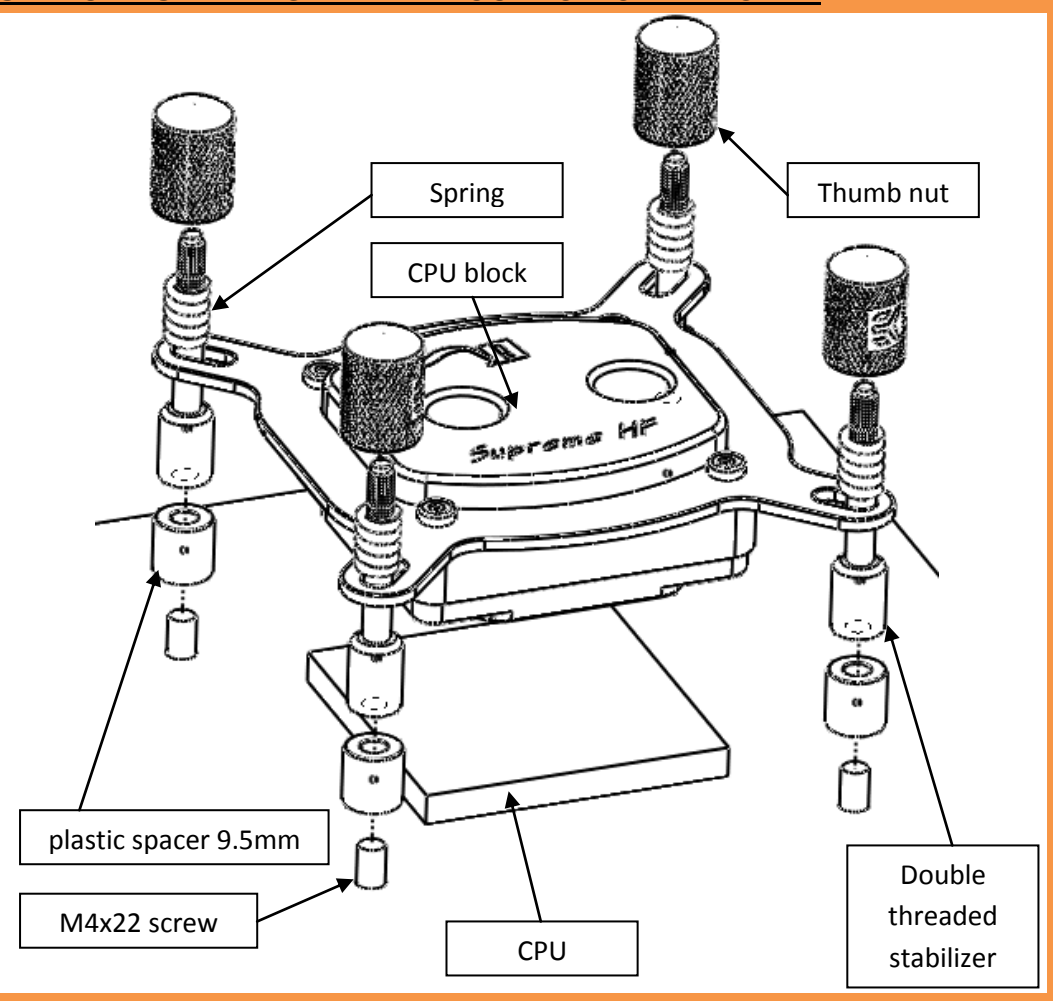
STEP 7. APPLYING THERMAL COMPOUND

CLEANING THE CPU. Once backplate is attached, flip motherboard and place it on desk. Wipe off CPU (by using non–abrasive cloth or Q-tip, as shown on sample photo). EKWB does not recommend using any liquids for removing paste.

Apply thermal compound: lightly and evenly coat the whole surface of CPU with enclosed Arctic Cooling MX4 ™ thermal compound. (see sample picture-on right).

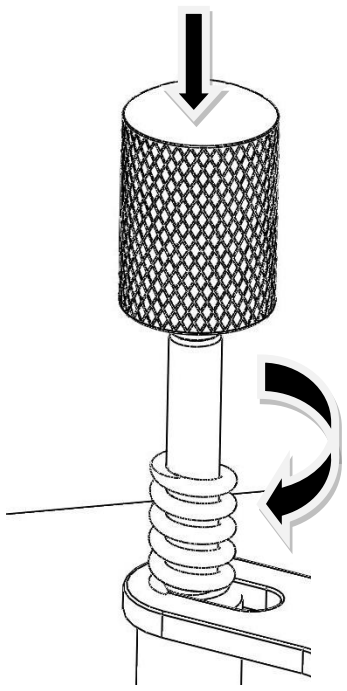


STEP 8. INSTALLING WATER BLOCK TO MOTHERBOARD



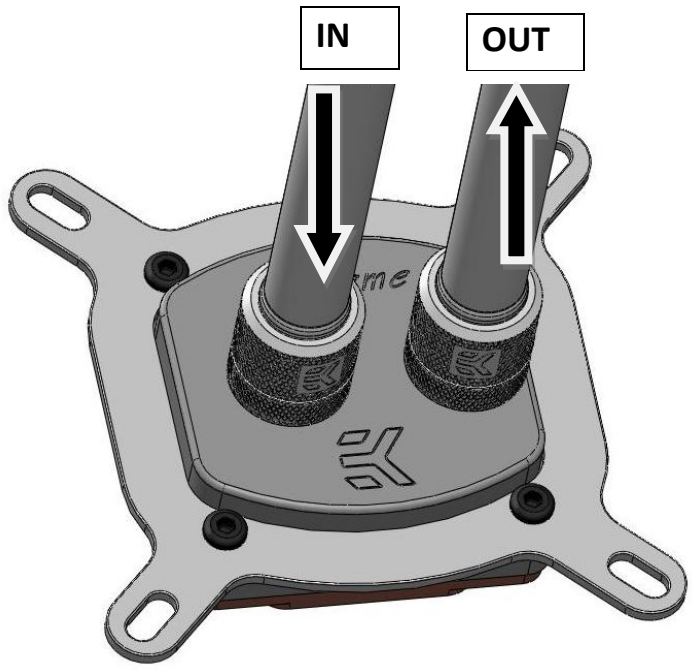
STEP 9: FASTENING THUMB NUTS

Start fastening thumb nuts in cross section and do not tighten them fully until all four of them are partially screwed in. When a spring is fully compressed it provides 7.8 kg of pressure, thus assuring optimal pressure on CPU and it's socket. Fasten all thumb nuts evenly until you reach the end of the thread.



STEP 10: CONNECTING WATER BLOCK TO CIRCUIT

Carefully identify the direction of the flow in your circuit. For the EK-SUPREME HF water block to operate properly, the fitting nearest to the center of the water block **MUST BE USED AS THE INLET PORT**. To ensure the tubes stays properly on the fittings please use hose clamps or appropriate substitute. The use of an algaecide is always recommended for any liquid cooling system.



IMPORTANT DISCLOSURES

VERY IMPORTANT NOTICE: Once the installation is completed, it is a recommended practice to test the cooling circuit for leaks prior to powering up the computer. We recommend a 24 hour leak test prior to powering up the computer. Do not test the water block using city water pressure. This will rupture the top of the housing and render the block unusable (and will void your warranty).While all efforts have been made to provide the most comprehensive tutorial possible, EK Water Blocks assumes no liability expressed or implied for any consequential damage(s) occurring to your equipment as a result of using EK Water Blocks cooling products, either due to errors or omissions on our part in the above instructions, or due to failure or defect in the EK Water Blocks cooling products.

WARRANTY:
Our products are warranted against defects in materials or workmanship for a period of 24 months beginning from the date of delivery to the final user. During this period, products will be repaired or have parts replaced at our discretion provided that: (I) the product is returned to the agent from whom it was purchased; (II) the product has been purchased by an end user and has not used for commercial purposes; (III) the product has not been misused, handled carelessly, or used in a manner other than in accordance with the instructions provided describing its installation and proper use. This warranty does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This warranty is offered as an extra benefit and does not affect your statutory rights as a consumer. This warranty is voided if the product comes in contact with aggressive UV additives or other improper liquids.
EK blocks are sealed with warranty void circular label, which proves that the block has withstood a pressure leak test. Removing it will void only leaking issues. Any other RMA issues can be reported to support@ekwaterblocks.com for further analysis.

REQUIRED TOOLS

philips screwdriver