

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.ekwb.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.

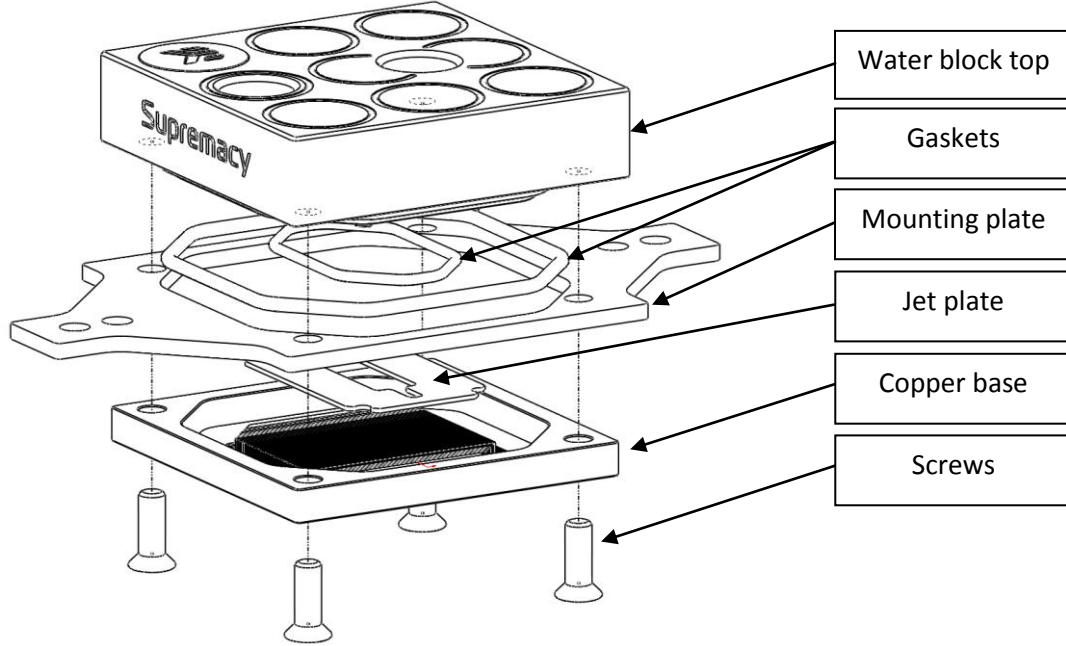
Before you start using this product please follow these basic guidelines:

1. **Please carefully read the manual before through before beginning with the installation process!**
2. **Please remove your motherboard from the computer to assure safest mounting process in order to prevent any possible damages to your CPU and/or motherboard's circuit board (PCB).**
3. **The EK High Flow and EK-PSC type fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber o-ring gaskets.**
4. **The use of corrosion inhibiting coolants is always recommended for any liquid cooling system.**

STEP 1: GENERAL INFORMATION ON PRODUCT COMPATIBILITY

Congratulations on your purchase of EK-Supremacy AMD C32/G34 CPU water block. This water block is pre-assembled for use with modern AMD workstation/server socket type motherboards. By default this water block supports the following CPU sockets:

- AMD socket F / C32 / G34



STEP 2: TABLE OF CONTENT

The following items are enclosed with each EK-Supremacy water block:

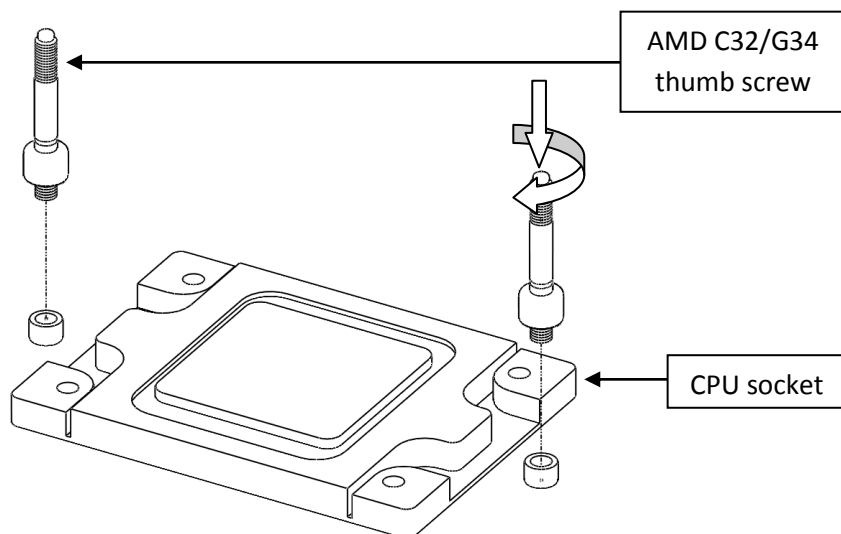
- EK-Supremacy AMD C32/G34 CPU water block
- *PreciseMount AMD C32/G34* mounting mechanism:
 - o Springs (2 pcs)
 - o AMD C32/G34 mounting studs/posts (2 pcs)
 - o Thumb nuts (2 pcs)
- Allen (hex) key 2.5mm

STEP 3: INSTALLING THE WATER BLOCK:

STEP 3a: Installing the mounting system:

AMD Socket F/C32/G34:

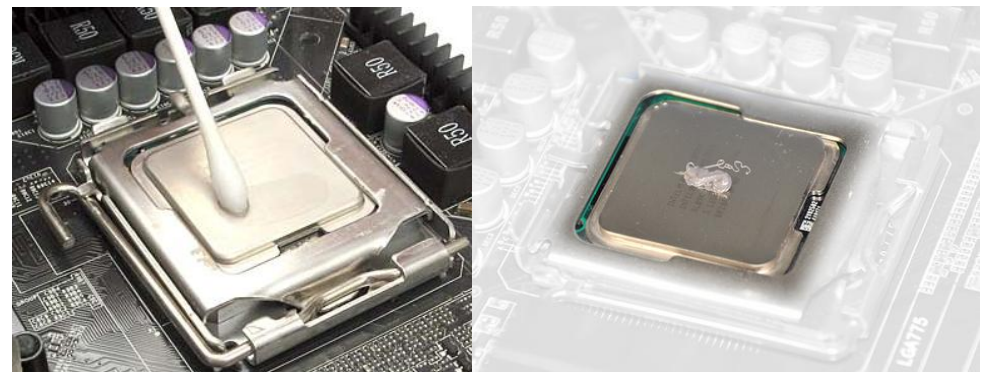
Install two (2) specific AMD Socket F/C32/G34 thumb screws into four UNC6-32 threaded stubs on the backplate protruding through the motherboard PCB. These thumb screws are to be installed using no tools (i.e. pliers).



STEP 3b: Preparing your CPU and applying TIM:

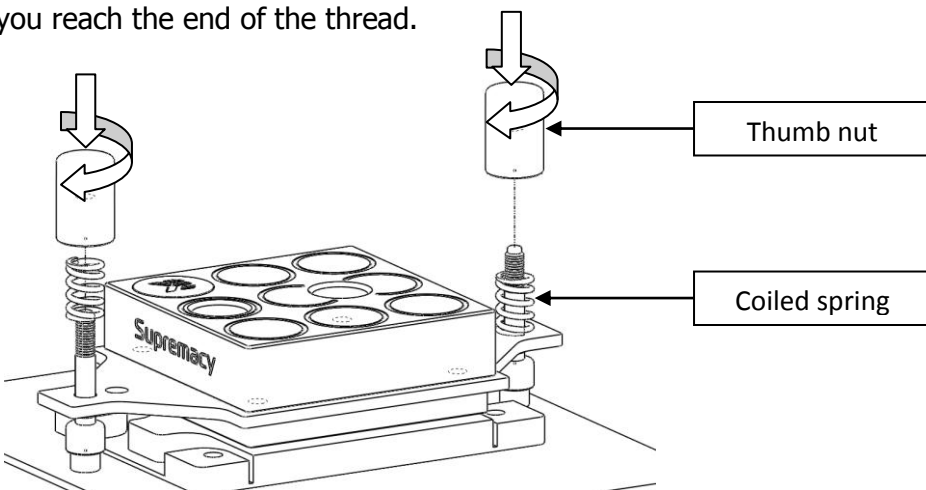
Cleaning the CPU: Once mounting mechanism is attached install the CPU into the socket. Wipe the CPU's contact surface (by using non-abrasive cloth or *Q-tip*, as shown on sample photo).

Applying thermal compound: EK recommends blob or line method of applying the enclosed Gelid GC-Extreme™ thermal compound to the CPU heatspreader (IHS) - see sample photo on right. The quantity of about two-(C32) or four rice grains (G34) is just about right. There is no need to cover the whole IHS. Applying too much thermal grease will have negative impact on the cooling performance!



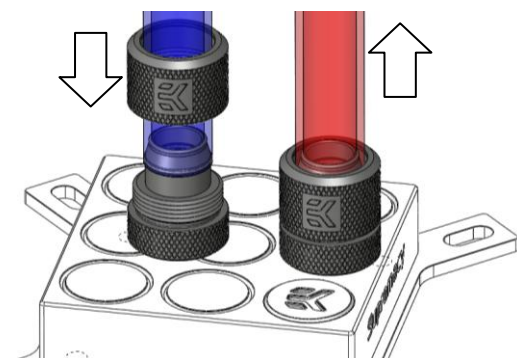
STEP 5e: Fastening the waterblock:

Install the waterblock on your CPU. Place an enclosed compression spring and thumb nut over each thumb screw. Start fastening both thumb nuts evenly until you reach the end of the thread.



STEP 6: CONNECTING WATER BLOCK TO THE COOLING CIRCUIT

Carefully identify the direction of the flow in your circuit. For the EK-Supremacy series water block to operate properly the G1/4 port nearest to the center of the water block **MUST BE USED AS THE INLET PORT**. EK recommends the use of EK-PSC fittings. When using fittings other than EK-PSC series please use hose clamps or appropriate substitute to secure the tubing to the barb. The use of biocide containing and corrosion inhibiting coolant is always recommended for any liquid cooling system.



REQUIRED TOOLS

- allen key 2.5mm (enclosed)