

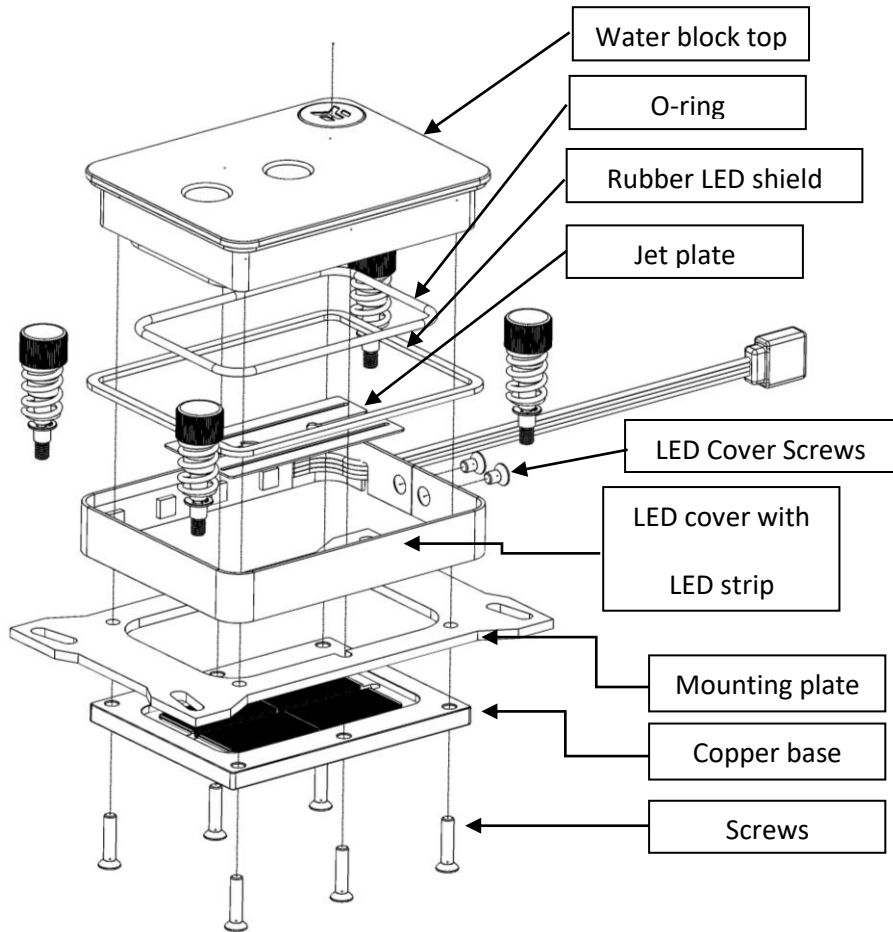
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. 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-HFB, EK-HDC and EK-ACF type fittings require only a small amount of force to screw them firmly in place as 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

Congratulations on your purchase of EK-Supremacy sTR4 CPU water block. This water block is pre-assembled for use with modern AMD desktop socket type motherboards. By default this water block supports the following CPU sockets: TR4 and SP3



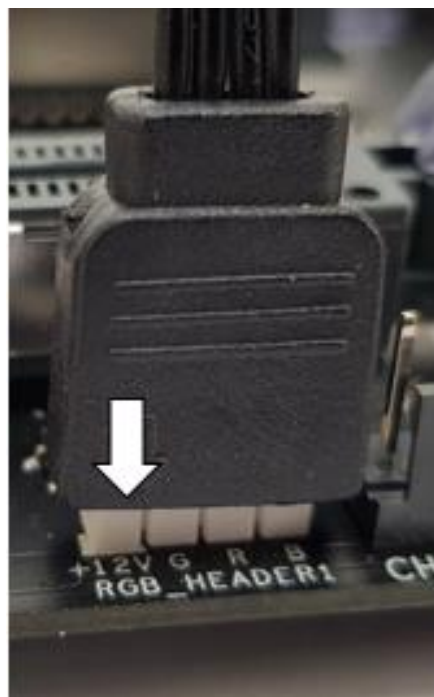
STEP 2: TABLE OF CONTENT

The following items are enclosed with each EK-Supremacy sTR4 water block:

- EK-Supremacy sTR4 universal CPU water block
 - o Pre-installed mounting mechanism
- PASTE Thermal Grizzly Hydronaut (1g)

Note: To disassemble pre-installed mounting mechanism please release the circlip under each mounting screw.

STEP 3 (optional): CONNECTING THE RGB LED STRIP



Plug the 4-pin connector from Water block's RGB LED light to the RGB_HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: **+12V G R B**.

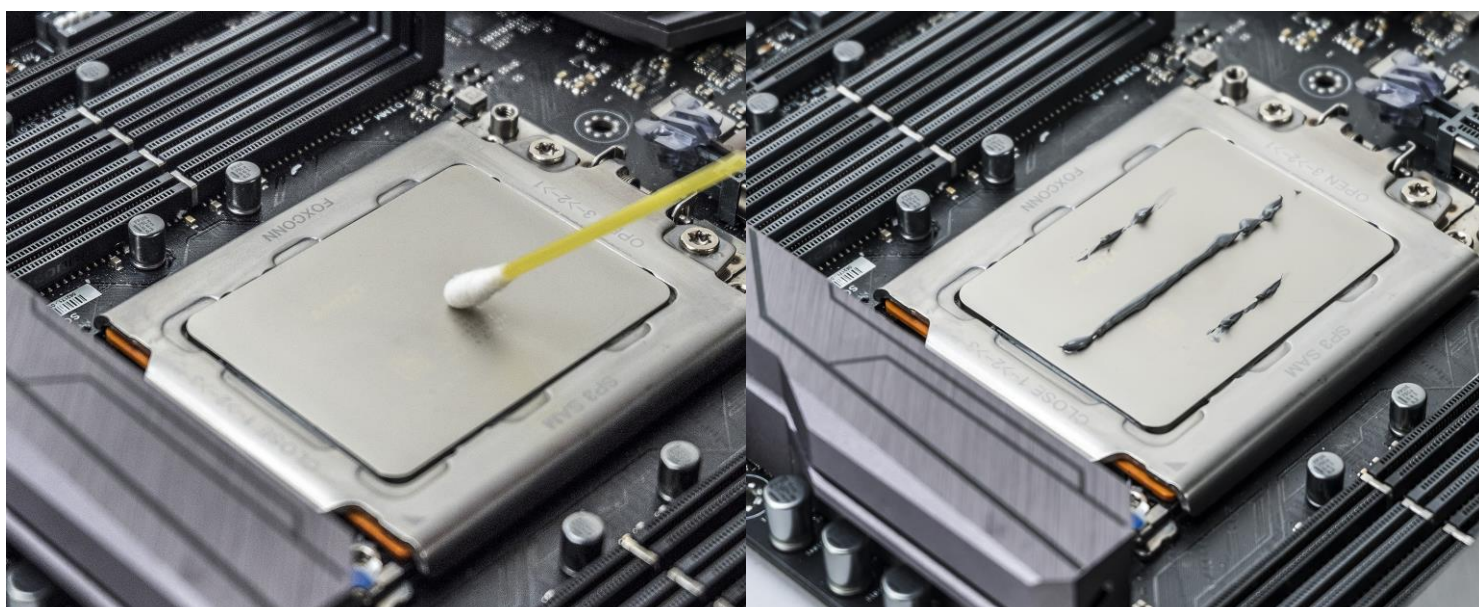
Please ensure that the arrow indicated on the connector is plugged into the +12V line as indicated on your motherboard.

Failure to do so will damage your motherboard or LED strip.

STEP 4 PREPARING CPU AND APPLYING THERMAL GREASE (TIM):

Cleaning the CPU: 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 Thermal Grizzly Hydronaut (1g)TM thermal compound to the CPU heatspreader (IHS) - see sample photo on right. The quantity of about two rice grains 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! Thermal paste should be applied just before water block mounting.

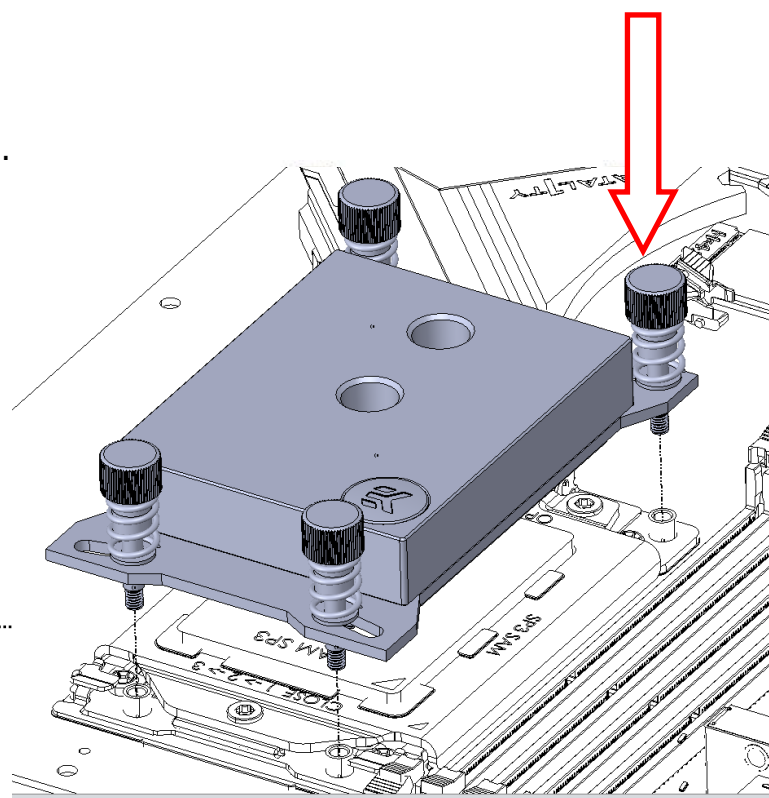


STEP 5: INSTALLING THE WATER BLOCK

Installing this water block on any supported AMD Socket TR4, AMD Socket SP3 requires next- steps:

- 1) Apply Thermal Grizzly Hydronaut (1g)[™] as shown in STEP 4
- 2) Align water block with pre-installed mounting mechanism above the AMD socket motherboard.
- 3) Tighten the screws with your thumbs until you reach the end of the thread, preferably by tightening two thumb screws at a time in the cross pattern. Do not use any tools (such as pliers) during this process!

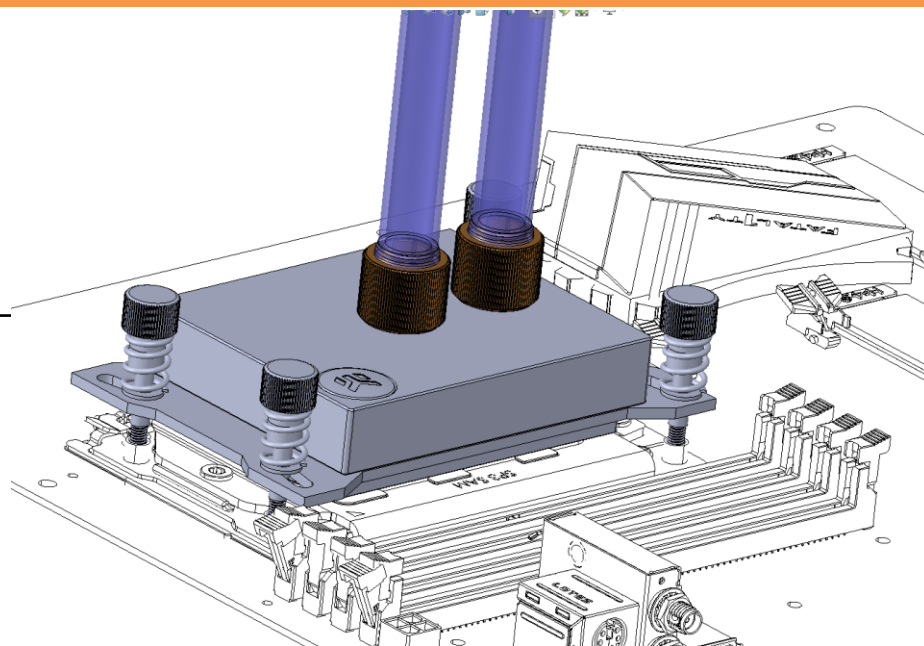
AMD socket
motherboard PCB



STEP 6: CONNECTING THE WATER BLOCK TO THE COOLING LOOP:

Carefully identify the direction of the flow in your circuit. For the EK-Supremacy sTR4 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-ACF Fittings. When using fittings other than EK-ACF 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.

EK-ACF Fitting



REQUIRED TOOLS: