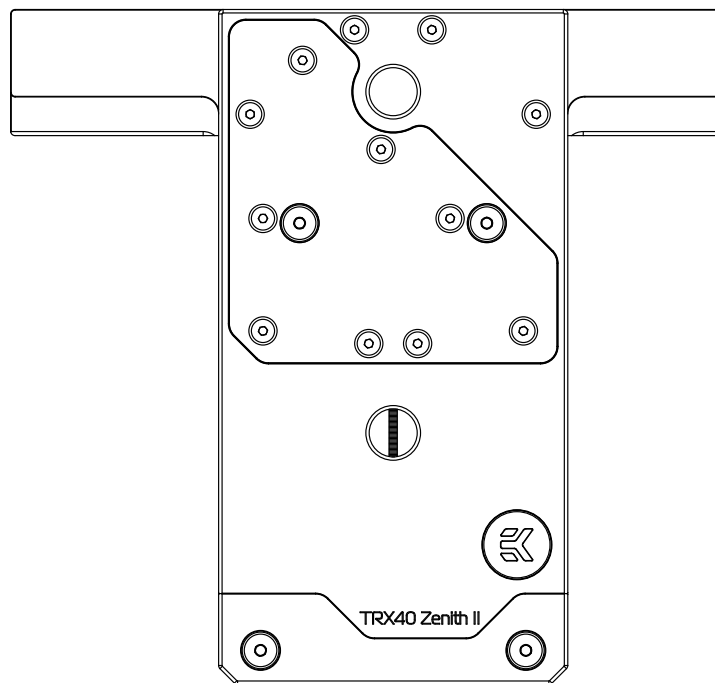


EK-Quantum Momentum ROG Zenith II Extreme

MONOBLOCK



This product is intended for installation by expert users only. Please consult with a qualified technician. 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 or their installation. The following instructions are subject to change without notice. Please visit our website at www.ekwb.com for updates. Before the 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:

Carefully read the manual before you start with the installation process!

Remove your motherboard from the computer to ensure the safest mounting method and prevent any possible damage to your CPU and/or motherboard's circuit board (PCB).

The EK fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured with rubber o-ring gaskets.

The use of high-quality market-proven corrosion inhibiting coolants is always strongly recommended for any liquid cooling system.

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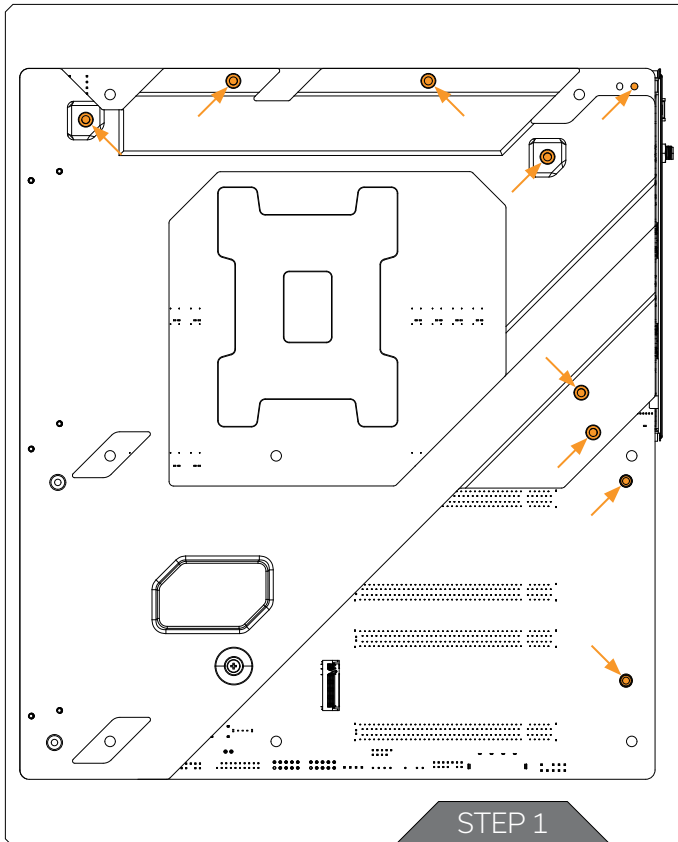
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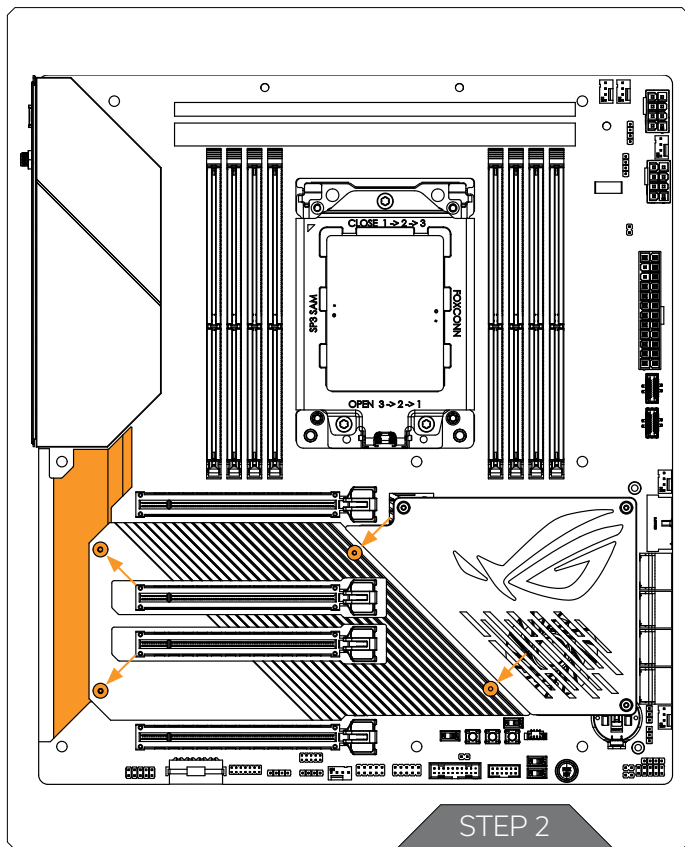
PREPARING YOUR MOTHERBOARD

REMOVING THE STOCK COOLER

STEP 1

Remove all encircled screws. There are nine (9) screws that need to be removed (see sample image). Save the standoffs and backplate screws for later use. There is no need to remove the factory backplate.

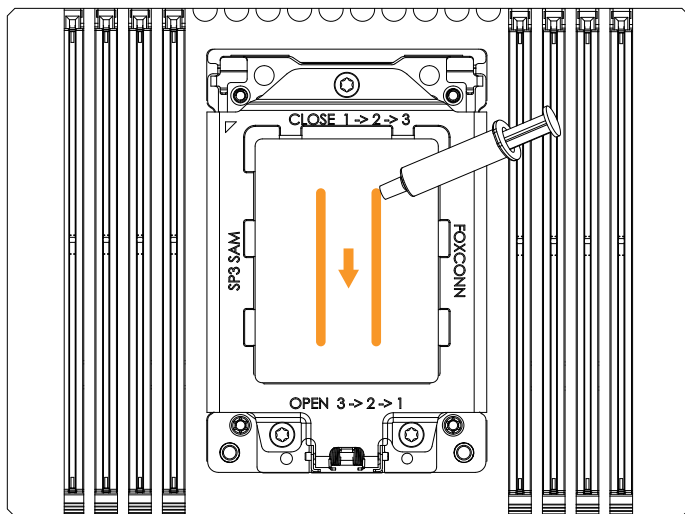




STEP 2

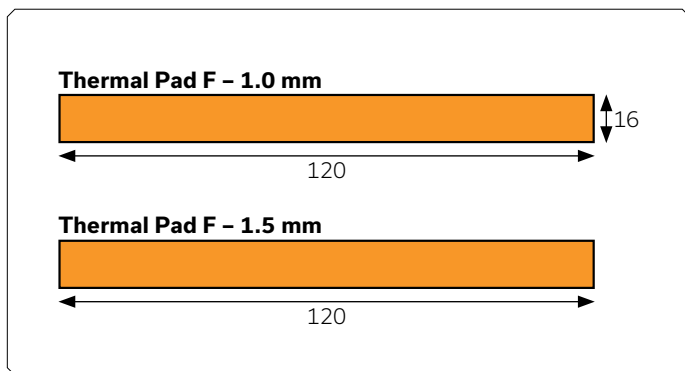
The additional four (4) screws need to be removed in order to disconnect the I/O cover screen. After finishing the installation process, the cover can be mounted back onto the motherboard.

Under marked part, carefully disconnect the I/O screen connectors.



APPLYING THE THERMAL COMPOUND

Apply the enclosed thermal compound on the CPU heat spreader (as shown in the image). There is no need to cover the whole IHS. Applying too much thermal grease will have a negative impact on cooling performance!



CUTTING THERMAL PADS

Your block comes with thermal pads that need to be trimmed in order to fit the voltage regulation area (MOSFET) on the motherboard's circuit board.

1. Thermal PAD F 1,0mm - (120x16mm) EAN: 3830046996732
2. Thermal PAD F 1,5mm - (120x16mm) EAN: 3830046996749



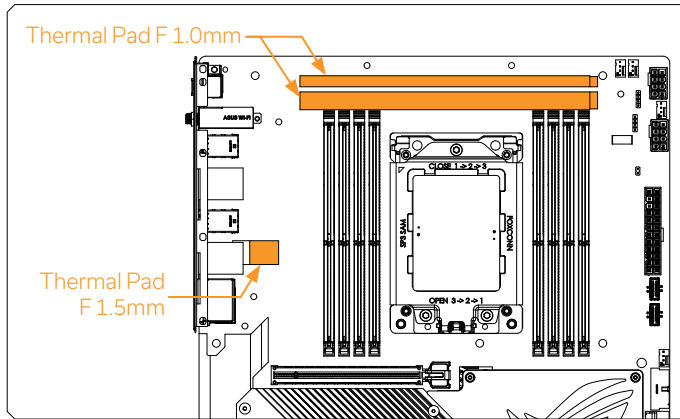
WARNING: Dimensions on pictures below are scaled.

PLACING THE THERMAL PADS

Place thermal pads on the motherboard, as shown in the image.

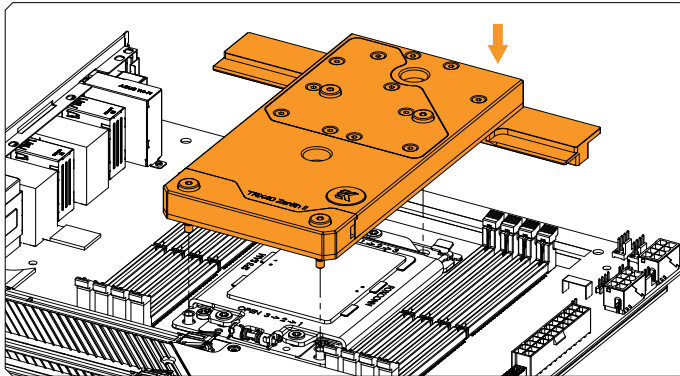


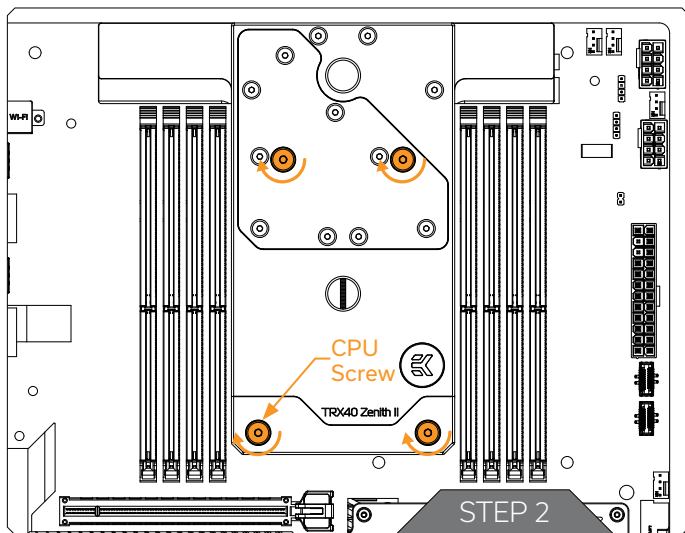
REMOVE THE PROTECTIVE FOIL FROM BOTH SIDES OF A THERMAL PAD PRIOR TO INSTALLATION.



PLACING THE BLOCK ON THE MOTHERBOARD

Place the EK-Quantum Momentum ROG Zenith II Extreme water block to the motherboard or vice versa (as shown in the image). Make sure that the mounting holes are aligned.





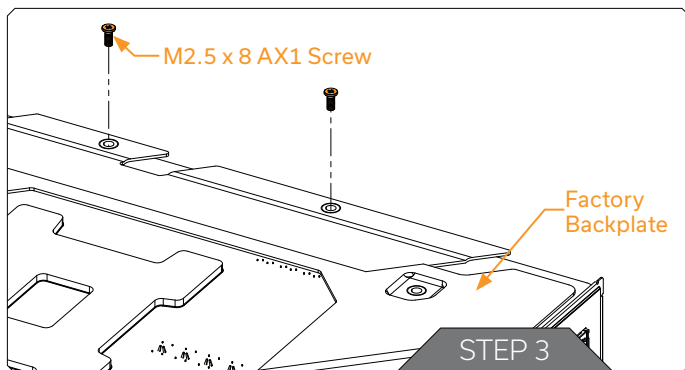
ATTACHING THE BLOCK TO THE MOTHERBOARD

STEP 1

Prior to fastening the screws, please make sure the mounting holes on the motherboard's circuit board are aligned with the water block.

STEP 2 (CPU)

Carefully tighten all the marked screws using a 2.5mm Allen Key. Do not apply excessive force.



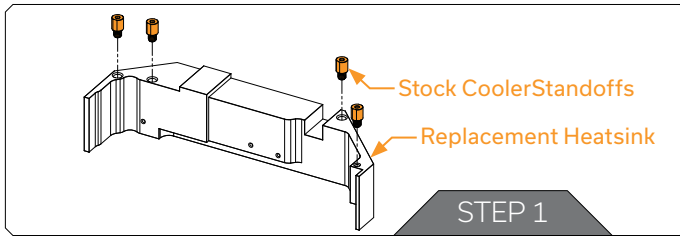
STEP 3 (MOSFET)

Use two (2) M2.5 x 8 AX1 Screws. Tighten the screws evenly.

PLACING THE REPLACEMENT HEATSINK ON THE MOTHERBOARD

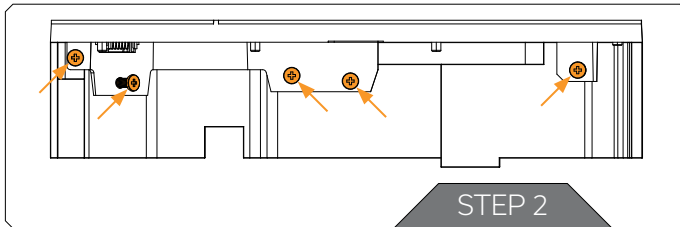
STEP 1

Take off four (4) standoffs from the original heatsink using the EK-Loop Wrench and attach them to the replacement heatsink that comes with the EK-Quantum Momentum ROG Zenith II Extreme monoblock.



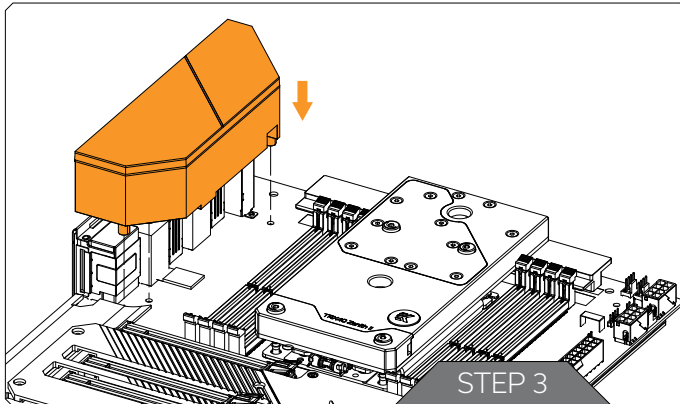
STEP 2

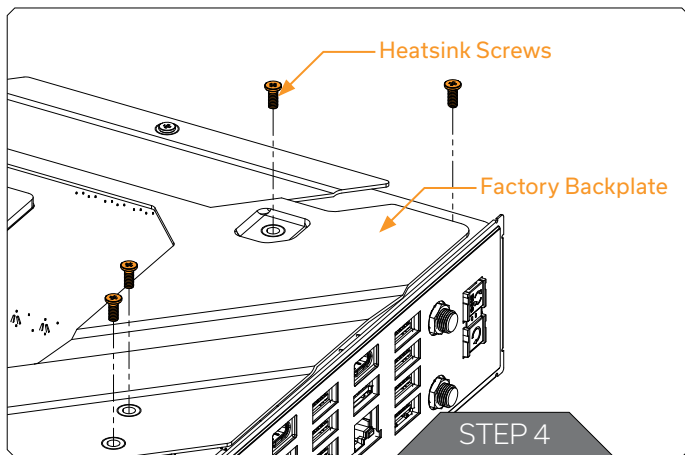
Before placing the replacement heatsink on the motherboard, attach the I/O cover screen to the replacement heatsink and secure it with five (5) factory-provided I/O cover screws. Make sure to connect all the connectors.



STEP 3

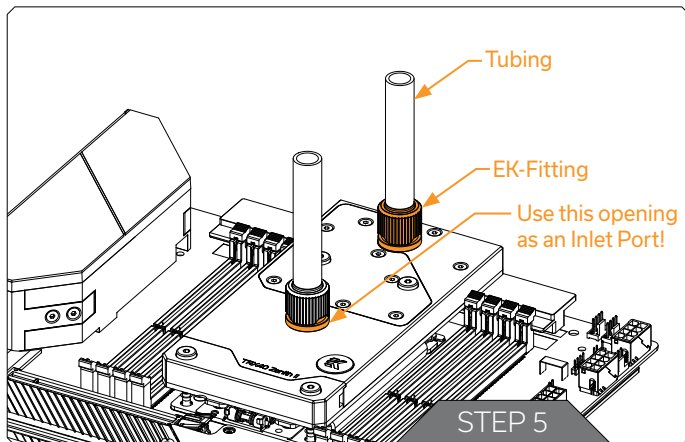
Carefully place the replacement heatsink on the motherboard, as shown in the image. Make sure the Thermal Pad is positioned correctly.





STEP 4

Attach the replacement heatsink using the factory I/O cover screws and a Phillips head screwdriver. Also, pay attention not to use too much force while pressing the replacement heatsink down to the motherboard.



STEP 5

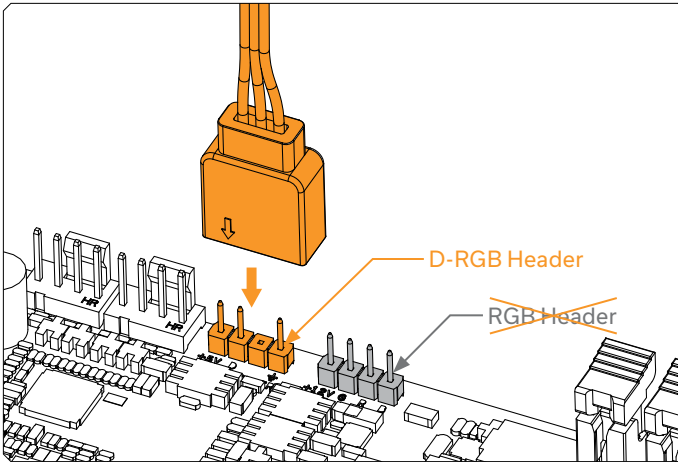
We recommend you use the EK fittings. When using fittings of other brands, please prepare the hose clamps or an appropriate substitute to secure the tubing to the barb. The use of corrosion-inhibiting coolant containing biocide is always recommended for any liquid cooling system.

CONNECTING THE D-RGB LED STRIP

Plug the 3-pin connector from Monoblock D-RGB LED light to the DRGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: **+5V, Digital, empty, Ground**.

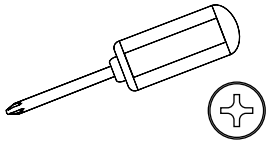


Please ensure that the arrow indicated on the connector is plugged into the +5V line as indicated on your motherboard. Failure to do so will damage your motherboard or LED strip.

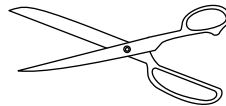


REQUIRED TOOLS

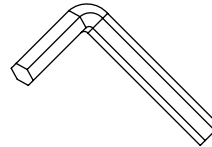
Phillips-head screwdriver



Scissors



Allen Key




SUPPORT AND SERVICE

For assistance please contact:


<http://support.ekwb.com/>

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SOCIAL MEDIA

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