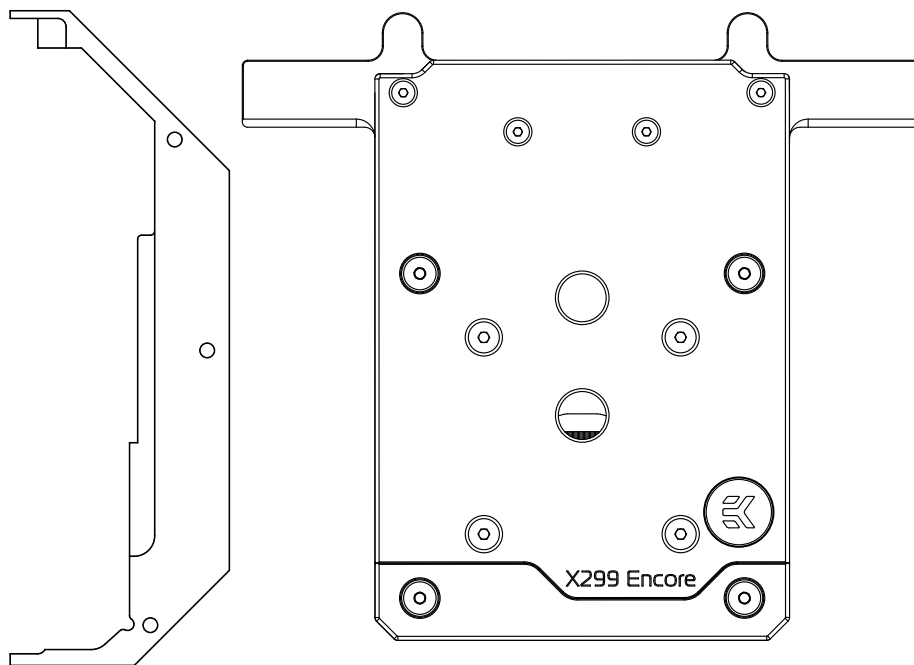


EK-Quantum Momentum ROG Rampage VI Encore

MONOBLOCK



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:

Please carefully read the manual thoroughly before beginning with the installation process!

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).

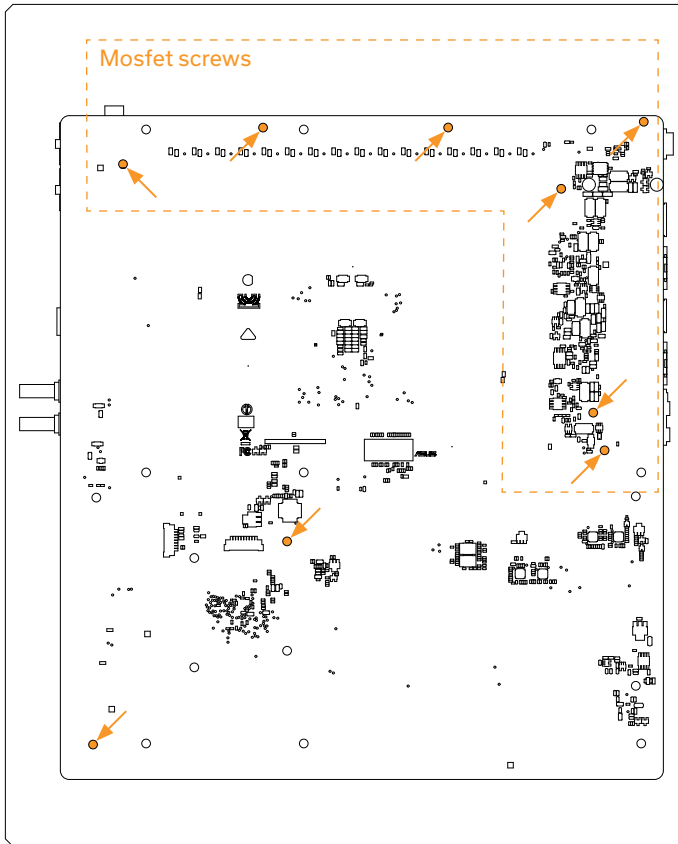
The EK- Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber o-ring gaskets.

The use of quality, market proved corrosion inhibiting coolants is always strongly recommended for any liquid cooling system.

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PREPARING YOUR MOTHERBOARD



REMOVING BACKPLATE AND STOCK COOLER

Remove all encircled screws. There are seven (7) screws on the back of the motherboard that needs to be removed in order to remove the factory installed mosfet heat pipe cooling solution. Do not forget to unplug the fan connector.

Remove two (2) additional screws to remove the factory provided Backplate. Make sure to disconnect all the LED-s connectors.

Please store away the factory backplate as it will be reused.

I/O COVER SCREEN: From the side part of mosfet heat pipe, unscrew the five (5) screws in order to remove the I/O cover screen. Disconnect all the screen connectors and take off the I/O cover screen. Store the screen, standoffs, screws for later use.

APPLYING THERMAL COMPOUND

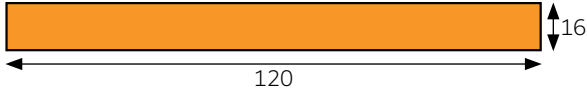
Apply thermal compound on CPU heat spreader (IHS) with enclosed EK-TIM Ectotherm thermal grease. The quantity of about two rice grains is just about right. There is no need to cover the whole IHS. Applying too much thermal grease will have negative impact on the cooling performance!

CUTTING AND PLACING THERMAL PADS ON THE MOTHERBOARD

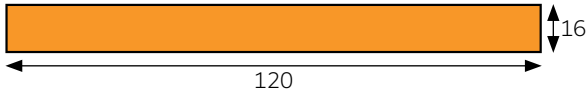
Your block comes with thermal pads which needs to be trimmed in order to fit the voltage regulation area (MOSFET) on the motherboard's circuit board.

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

Thermal Pad F - 1.0 mm

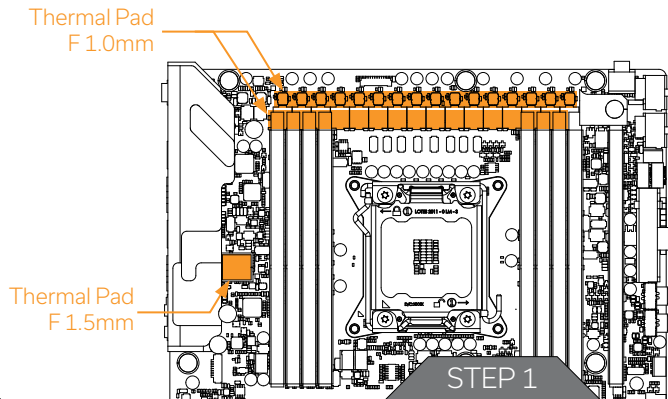


Thermal Pad F - 1.5 mm

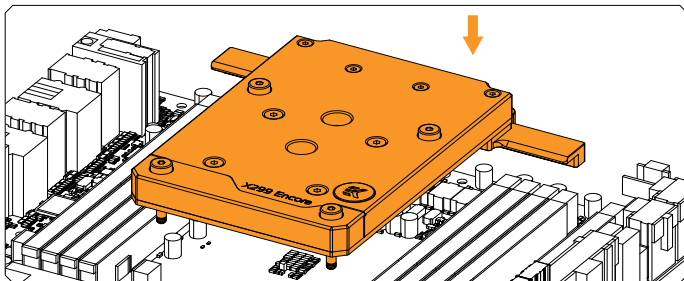


STEP 1

Place thermal pads on motherboard as shown on the picture.



PLACING THE BLOCK ON TO MOTHERBOARD



Place EK-Quantum Momentum ROG Rampage VI Encore series water block to the motherboard or vice versa (as shown on the photo). Make sure that mounting holes are aligned.

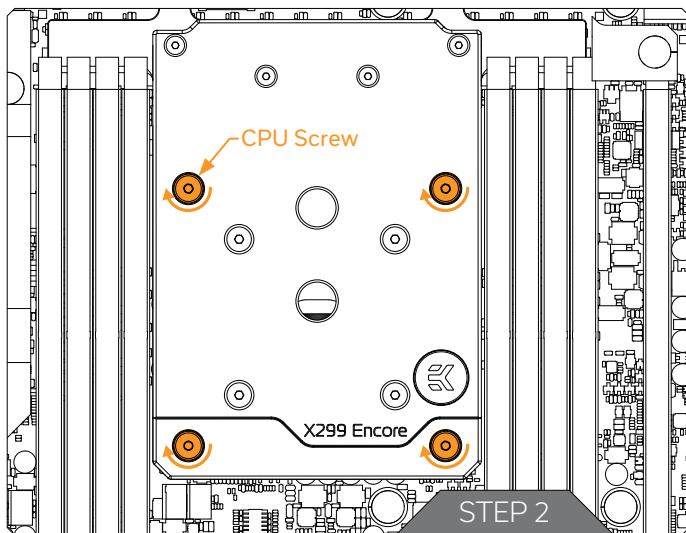
ATTACHING BLOCK ON THE MOTHERBOARD

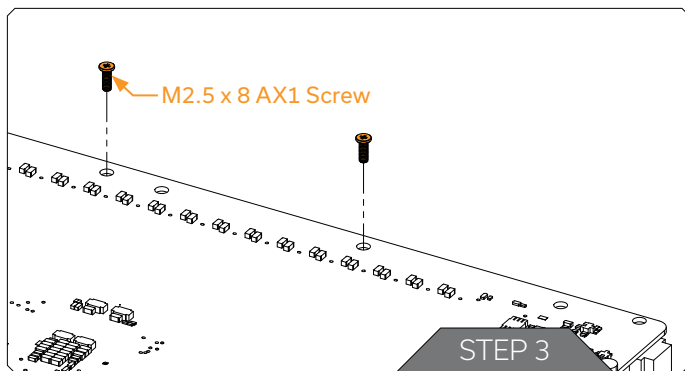
STEP 1

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 part)

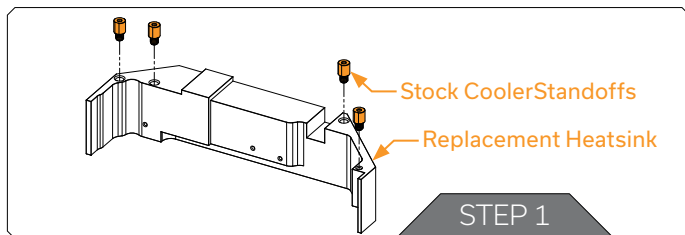
Carefully tighten all the marked screws carefully using 2.5 mm Allen Key. Do not use excessive force.





STEP 3 (MOSFET part)

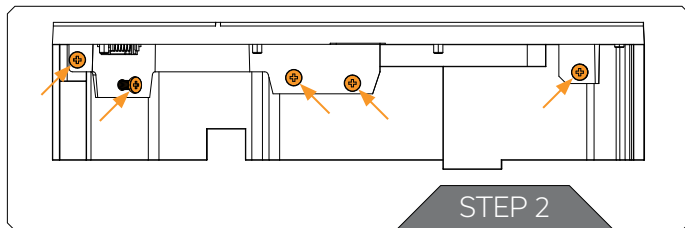
Use two (2) M2.5 x 8 AX1 screws. Tighten the screws evenly. Make sure that factory provided washers are placed correctly.



PLACING THE REPLACEMENT HEATSINK ON TO MOTHERBOARD

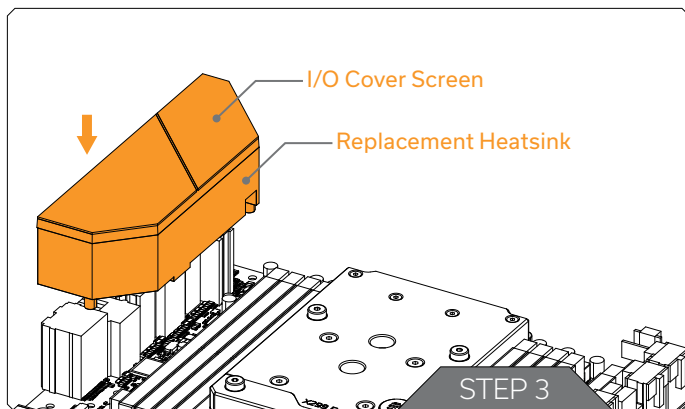
STEP 1

From the original heatsink take off four (4) standoffs using EK-loop wrench and attach them on to replacement heatsink which comes with the EK-Quantum Momentum ROG Rampage VI Encore monoblock.



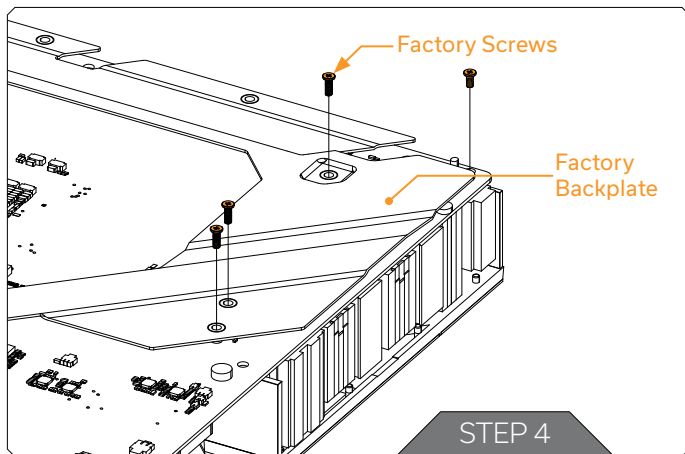
STEP 2

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



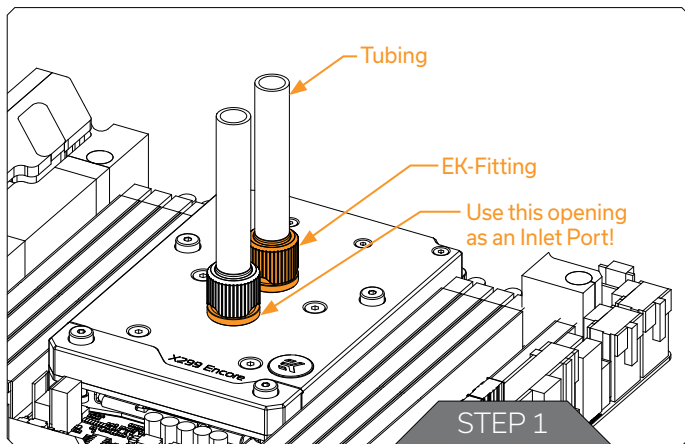
STEP 3

Carefully place the replacement heatsink with I/O cover screen on to the motherboard (as shown on the photo). Make sure that Thermal Pad is placed correctly.



STEP 4

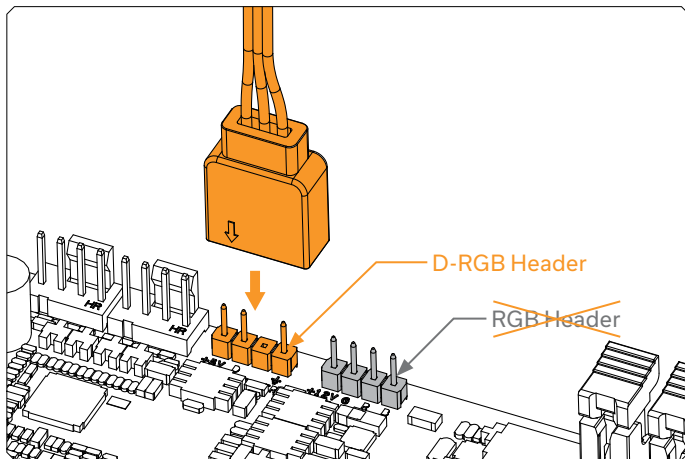
Place the factory provided backplate back on the motherboard and secure the replacement heatsink with Factory screws(as shown on the photo). Factory screws are marked on the page 4.



INSTALLATION OF FITTINGS AND TUBING

STEP 1

EK recommends the use of EK-Fittings. When using fittings other than EK 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.



CONNECTING THE D-RGB LED STRIP

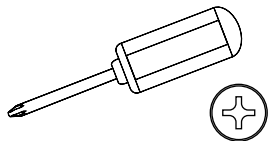
Plug the 3-pin connector from Monoblock D-RGB LED light to the DRGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: **+5V, Digital, empty, Ground**.



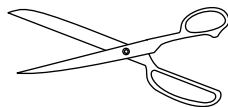
Please ensure that the arrow indicated on the connector is plugged into the +5V line as indicated on your motherboard. Failure to do so will damage your motherboard or LED strip.

REQUIRED TOOLS

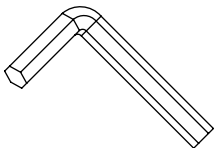
Phillips-head screwdriver



Scissors



Allen Key




SUPPORT AND SERVICE

For assistance please contact:


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

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SOCIAL MEDIA

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