



FLUID
GAMING

1st Revision, Mar 22th 2019

VECTOR AX

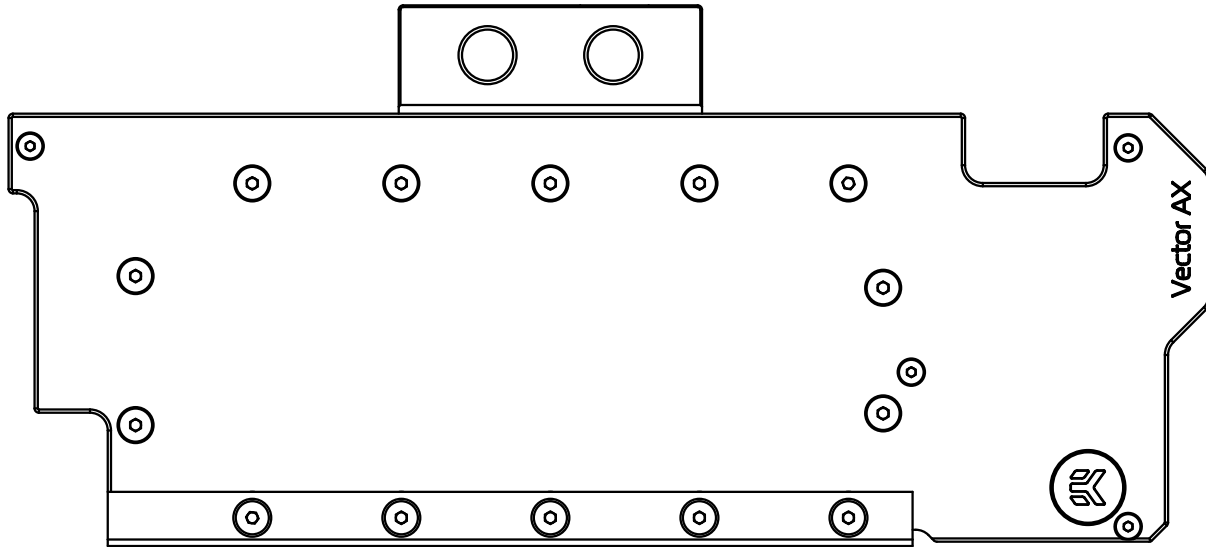


TABLE OF CONTENT

IMPORTANT INFORMATIONS	3
GENERAL INFORMATIONS	4
PREPARING YOUR GRAPHICS CARD	5
INSTALLING THE WATER BLOCK	8
INSTALLING THE BACKPLATE	9
INSTALLING THE FITTINGS AND TUBING	9
CONNECTING THE D-RGB LED STRIP	10
SUPPORT AND SERVICE	11
SOCIAL MEDIA	11



This product is intended for installation by expert users. Please consult 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 thoroughly before beginning with the installation process!
2. Please remove your Graphics card from the computer to assure safest mounting process in order to prevent any possible damages to your GPU and/or graphics card circuit board (PCB).
3. The EK-ALU ACF and EK-ALU HDC 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.



This product is made from aluminum and can be only used with other aluminum liquid cooling components, such as AI fittings, water blocks and radiators. Mixing aluminum with copper and brass products can cause galvanic corrosion of the metal and render liquid cooling equipment useless. Such misuse is not covered by warranty.

GENERAL INFORMATIONS

CONTENT:




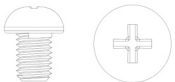

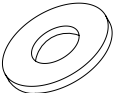
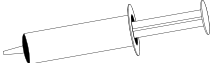


- EK-AX Vector waterblock
- EK-AX Vector Backplate
- Mounting screws
- Thermal pads

REQUIRED TOOLS:

- Scissors
- Phillips head screwdriver
- 4mm hex socket
- Optional: pliers

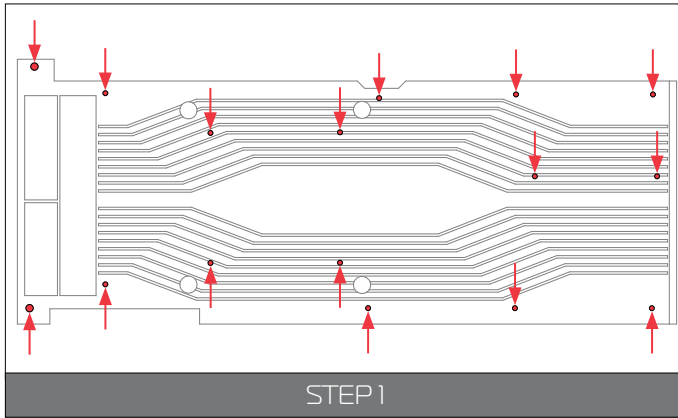
BAG CONTENT:

Bag content is universal for all water blocks, you may not need all screws.

M2,5x4 AXI 16 pcs 	M2,5x6 AXI 13 pcs 	M2,5x8 AXI 2 pcs 	M3x4 DIN7985 2 pcs 	M2,5 nut 6 pcs 
PVC washer 16 pcs 	Thermal grease 1 pc 	EK plug G1/4 Acetal 2 pcs 	2,5 mm Allen key 1 pcs 	

Replacement mounting mechanism: AC - Tip F (M2,5 x AXI) (EAN: 3831109817100)

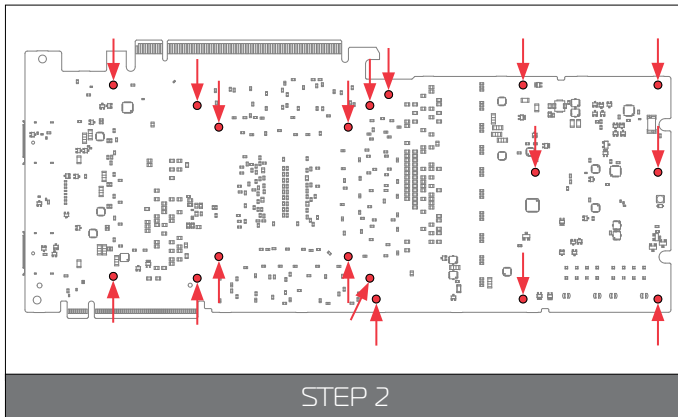
PREPARING YOUR GRAPHICS CARD



STEP 1

REMOVING FACTORY PROVIDED BACKPLATE

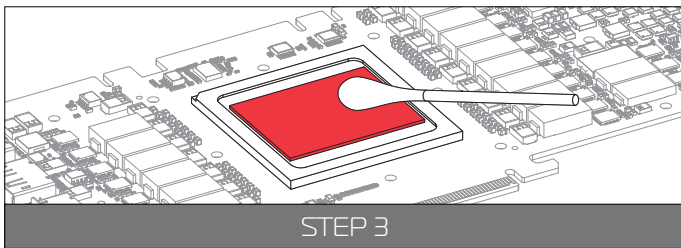
Remove all encircled screws using Phillips screwdriver. All heat sink assembly screws should be removed, including self-adhesive washers on both sides of the PCB (if present).



STEP 2

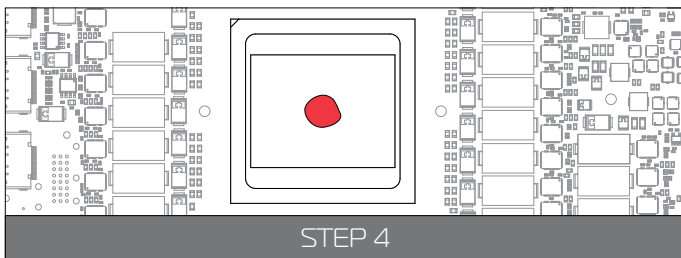
REMOVING STOCK COOLER

Remove all encircled screws using Phillips screwdriver (4 spring) and 4mm hex socket. All heat sink assembly screws should be removed, including self-adhesive washers on both sides of the PCB (if present). After you remove the housing do not forget to unplug the fans.



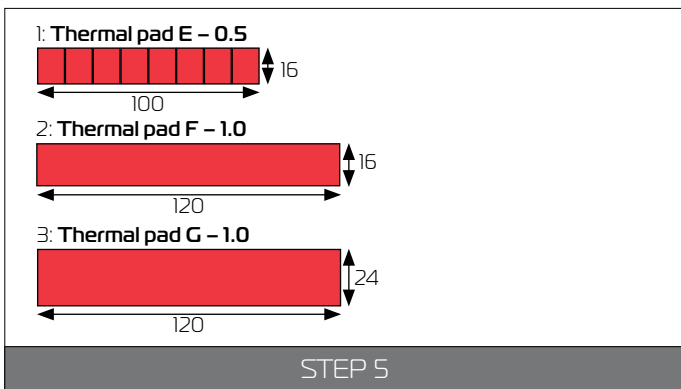
STEP 3 CLEANING THE PCB

Carefully detach the original stock cooler after removing all screws securing it to the board. Wipe off the remains (by using non-abrasive cloth or q-tip, as shown on sample photo) of the original thermal compound until the components and circuit board are completely clean. EKWB recommends the use of denatured alcohol for removing TIM leftovers.



STEP 4 APPLYING THERMAL COMPOUND

Wipe off the remains (by using non-abrasive cloth or q-tip) of the original thermal compound until the components and circuit board are completely clean. Apply thermal compound: lightly coat NVIDIA GPU chip with enclosed EK-TIM Ectotherm thermal grease. EKWB recommends to apply thermal grease in cross form for best performance (see sample picture).



STEP 5 CUTTING THERMAL PADS

Your block comes with thermal pads, some of which are already pre-cut.



Remove protective foil from the both sides of the thermal pad prior to installation.

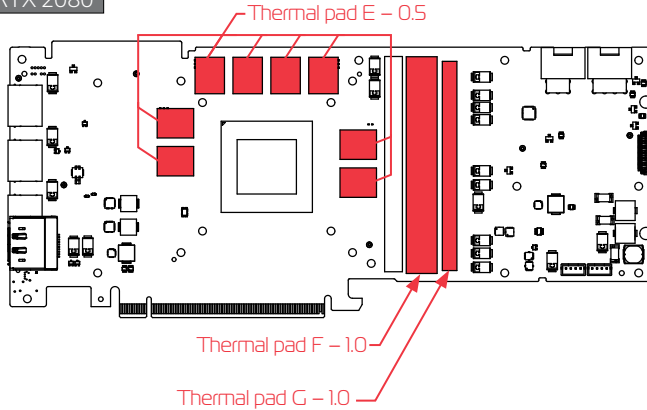
Replacement thermal pads:

Thermal Pad E – 0.5 (RAM 8x) – (EAN: 3830046996688)

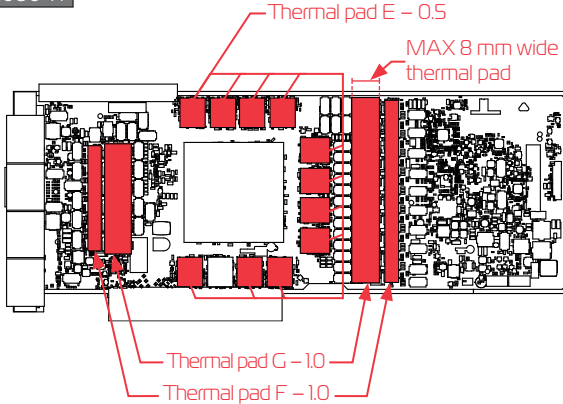
Thermal PAD F 1.0 (120x16mm) – (EAN:3830046996732)

Thermal Pad G – 1.0 (120x24mm) – (EAN: 3830046996770)

RTX 2080



RTX 2080 Ti



STEP 6

STEP 6

APPLYING THE THERMAL INTERFACE MATERIAL

Wipe off the remains of the original thermal compound (by using non-abrasive cloth or q-tip) until the components and circuit board are completely clean. EKWB recommends the use of denatured alcohol for removing TIM leftovers.

Apply enclosed thermal grease on the GPU chip. EKWB recommends to apply thermal grease in cross form for the best performance.

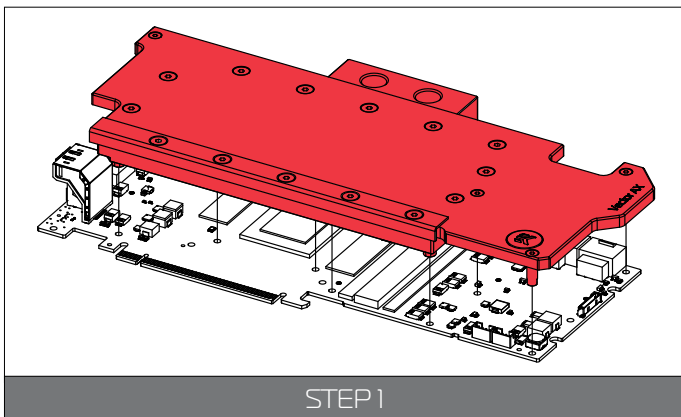
Your block comes with thermal pads, some of which are already pre-cut. Others have to be cut to smaller chunks in order to cover all the VRM components such as MOSFETs and drivers.



PLEASE REMOVE THE PROTECTIVE FOIL FROM BOTH SIDES OF THE THERMAL PADS PRIOR TO INSTALLATION.

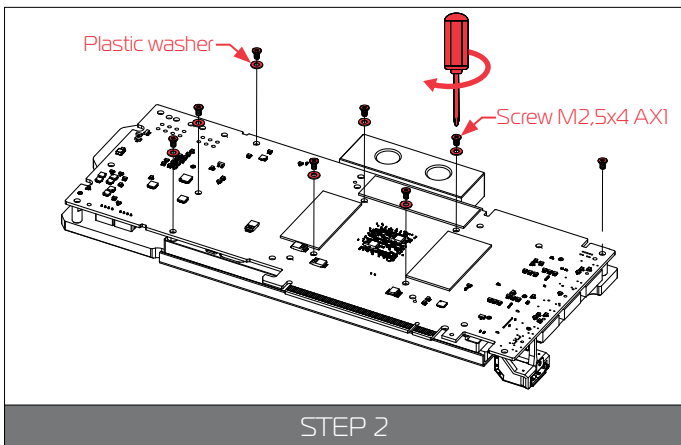
Place the thermal pads on the circuit board as shown on the picture below.

INSTALLING THE WATER BLOCK



STEP 1 PLACING THE BLOCK ON TO THE GRAPHICS CARD

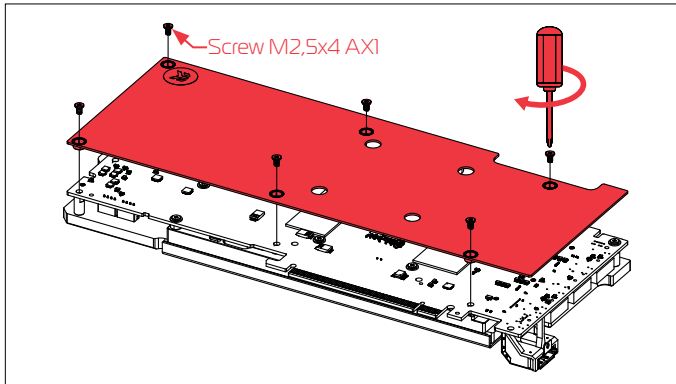
Carefully position the water block with preinstalled standoffs on to the graphic card. During this process please make sure you align mounting holes on the PCB with holes on the water block. Also pay attention not to use too much force.



STEP 2 ATTACHING THE BLOCK TO THE GRAPHICS CARD

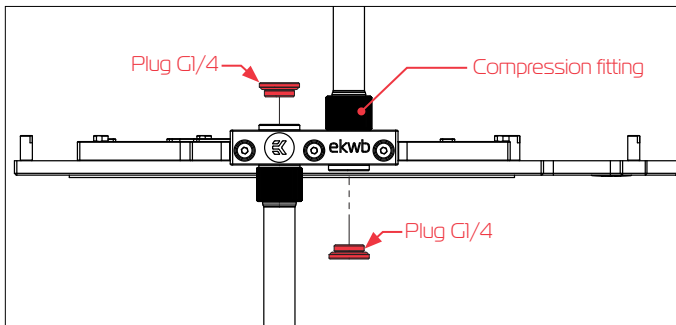
Use a Phillips screwdriver, screw with the enclosed M2,5x4 AX1 screws. EKWB recommends users to start tightening the screws around the GPU core and continue outwards.

INSTALLING THE BACKPLATE



Take enclosed mounting screws and install them as shown on picture below. Use six (M2.5x4 AXI) screws, and tighten them using Philips head screwdriver.

INSTALLING THE FITTINGS AND TUBING



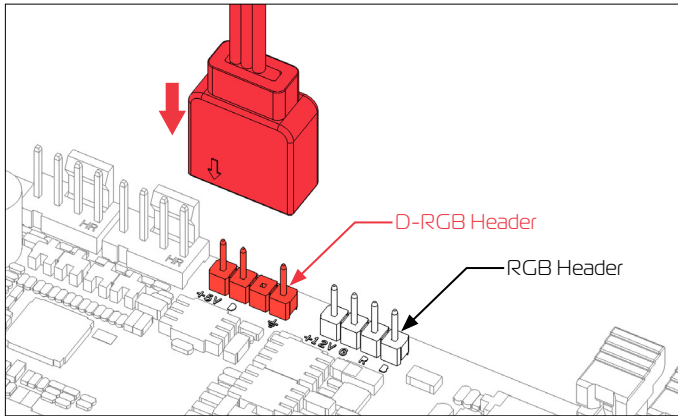
Screw in the two G1/4 threaded male fitting. Attach the liquid cooling tubes and connect the water-block(s) into the cooling circuit. On other two G1/4 openings attach the enclosed plugs.

You can use any opening as an inlet/outlet port.



In case of using connectors other than EK-ALU series compression fittings, take special attention to the length of the fittings male G1/4 thread. 5mm is the maximum allowed G1/4 thread length!

CONNECTING THE D-RGB LED STRIP



Plug the 4-pin connector from Water block's 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. If you put LED Diode to the 12V RGB HEADER you can damage the LEDs.



Connector is the same on D-RGB and RGB versions, but D-RGB version has 3 cables from connector to PCB; RGB version has 4 cables. If you connect D-RGB led to ordinary RGB header you can damage your motherboard or LED strip.

SUPPORT AND SERVICE

For assistance please contact:

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

EKWB d.o.o.
Pod lipami 18
1218 Komenda
Slovenia - EU

SOCIAL MEDIA

 EKWaterBlocks

 @EKWaterBlocks

 ekwaterblocks

 EKWBofficial

 ekwaterblocks

