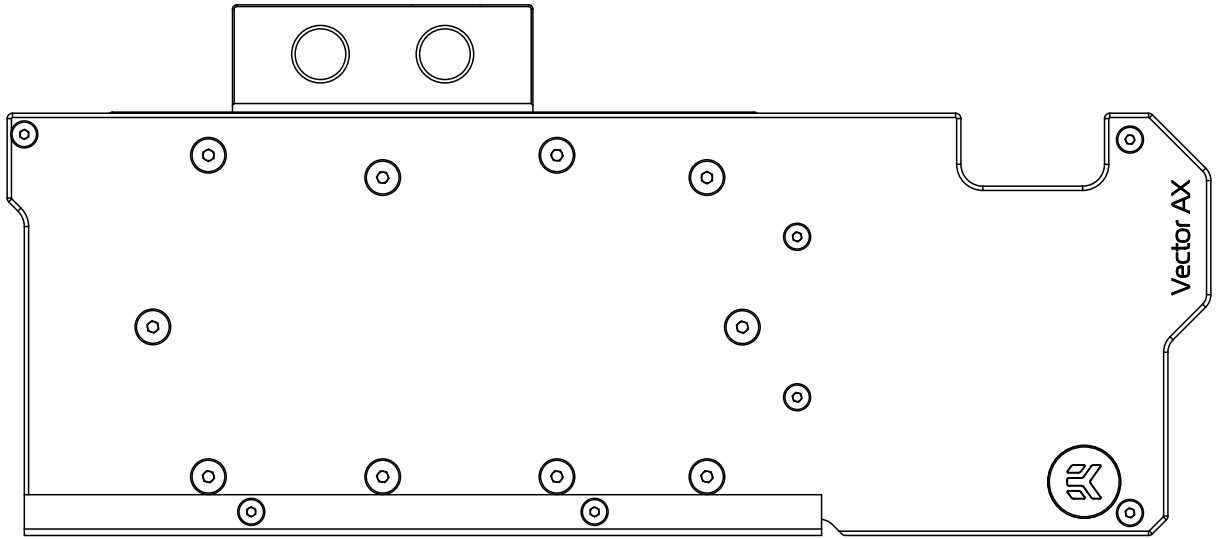
FLUID GAMING

1st Revision, Sep 25th 2019

EK-AC Radeon RX 5700 +XT



USER GUIDE

TABLE OF CONTENT

IMPORTANT INFORMATIONS

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:

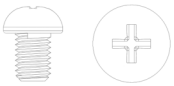
1. Please carefully read the manual throughly before beginning with the installation process!
2. Please remove your Graphics card from the computer to assure safest mounting process in order to prevent any possible damages to your GPU and/or graphics card circuit board (PCB).
3. The EK-ALU ACF and EK-ALU 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.

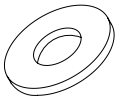
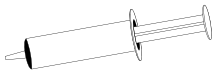
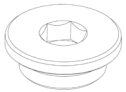
This product is made from aluminum and can be only used with other aluminum liquid cooling components, such as Al fittings, water blocks and radiators. Mixing aluminum with copper and brass products can cause galvanic corrosion of the metal and render liquid cooling equipment useless. Such misuse is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

CONTENT:
- EK-AC Radeon RX 5700 +XT waterblock
- Mounting screws
- Thermal pads

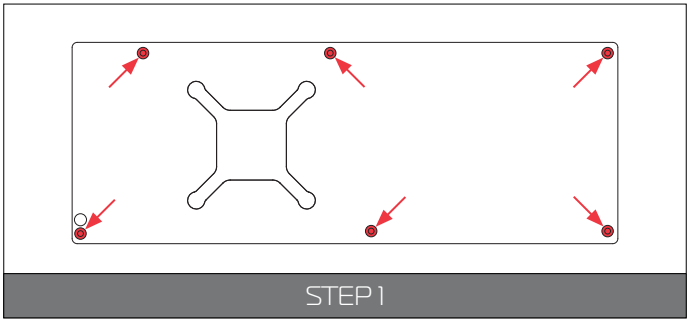
REQUIRED TOOLS:
- Scissors
- Phillips head screwdriver
- Optional: pliers

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
			

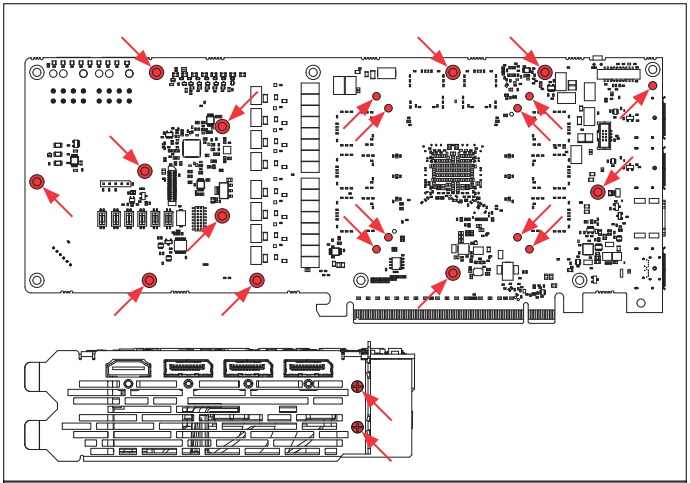
Replacement mounting mechanism: AC - Tip F (M2,5 x AXI) (EAN: 3831109817100)



STEP 1

STEP 1
REMOVING THE FACTORY PROVIDED BACKPLATE

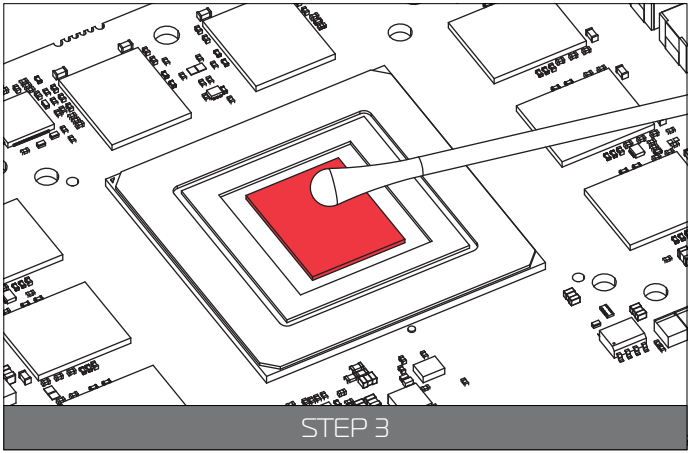
Remove all encircled screws using a Phillips head screwdriver, then take off the backplate. Save these screws for later. You will need them when reinstalling the backplate.



STEP 2

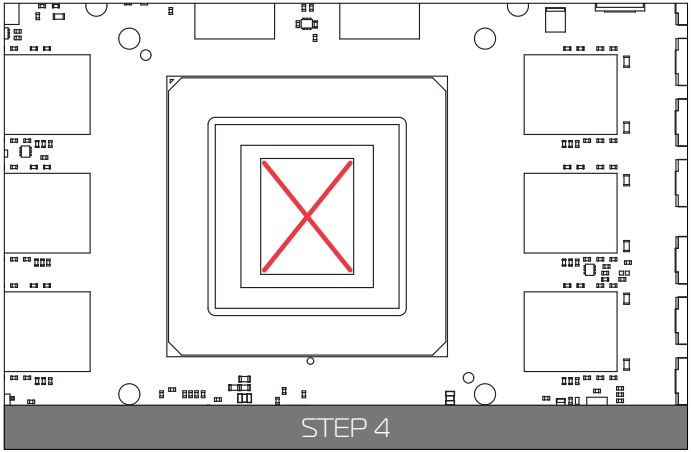
STEP 2
REMOVING THE STOCK COOLER

Remove the remaining screws as shown below. The cooler can now be gently removed, take care to unplug the LED and Fan connections. If there are any self-adhesive washers or either side of the PCB these should also be removed.



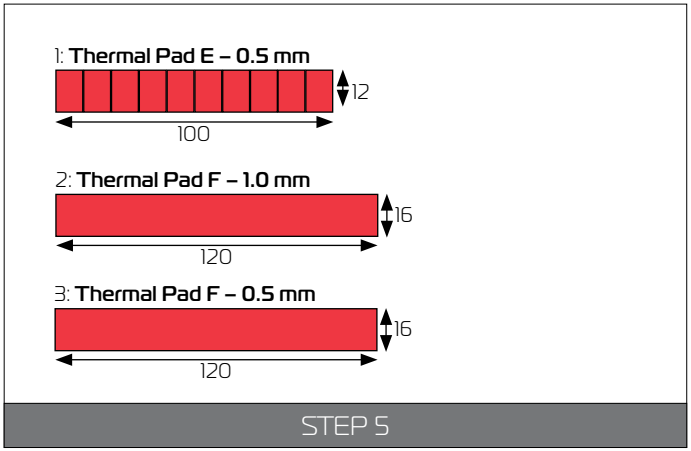
STEP 3
CLEANING THE PCB

Wipe off the remains of any thermal compound from the GPU core by using a non-abrasive cloth or q-tip. EKWB recommends the use of denatured alcohol for removing TIM leftovers. Additionally, remove all of the stock thermal pads from both sides of the PCB.



STEP 4
APPLYING THERMAL COMPOUND

Lightly cover AMD GPU chip with enclosed EK-TIM Ectotherm thermal grease. EKWB recommends to apply the thermal grease in a cross form to best performance (see sample picture).

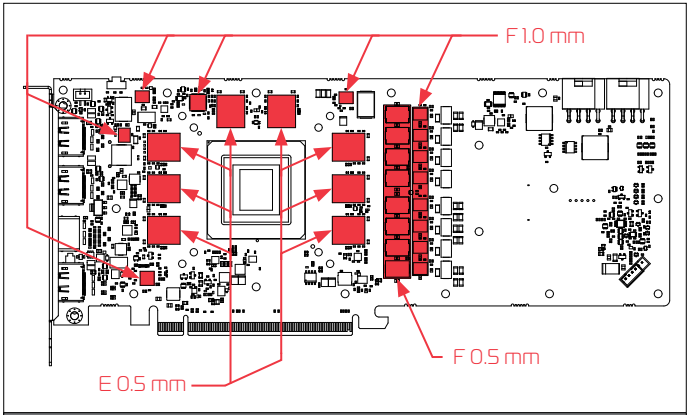


STEP 5

STEP 5
CUTTING THERMAL PADS

Your block is supplied with thermal pads that need to be cut into smaller pieces in order to cover all VRM components. PLEASE REMOVE THE PROTECTIVE FOIL FROM BOTH SIDES OF THE THERMAL PADS PRIOR TO INSTALLATION.

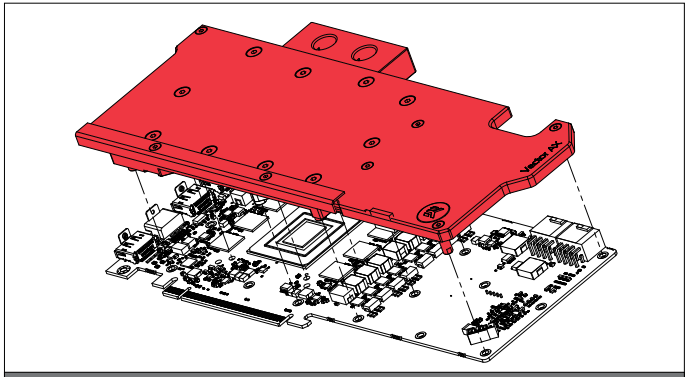
Replacement thermal pads:
1. Thermal Pad E – 0.5 mm (RAM 8x) – (EAN: 3830046996688)
2. Thermal Pad F 1,0 mm - (120 x 16 mm) – (EAN:3830046996732)
3. Thermal Pad F 0,5 mm - (120 x 16 mm) – (EAN: 3830046996725)



STEP 6

STEP 6
PLACING THERMAL PADS

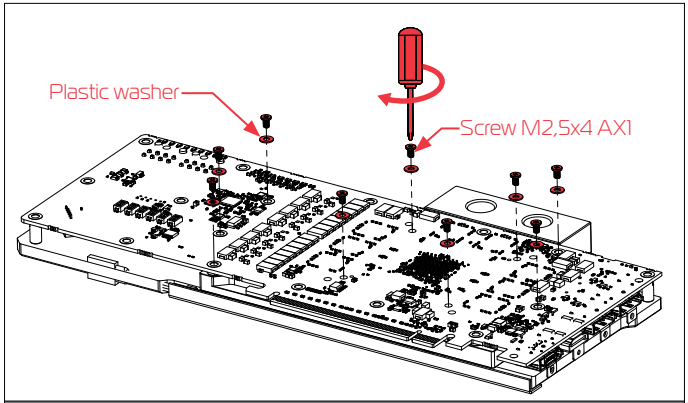
Once cut to size the thermal pads should be applied to the PCB as illustrated below. EK made sure to provide customers with more than adequate quantity of thermal pads to complete this step.



STEP 1

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.

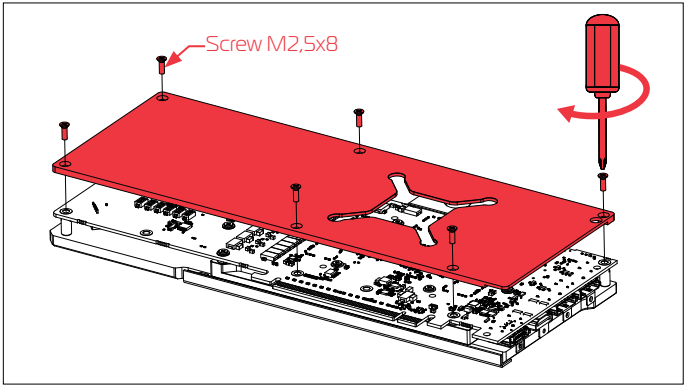


STEP 2

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.

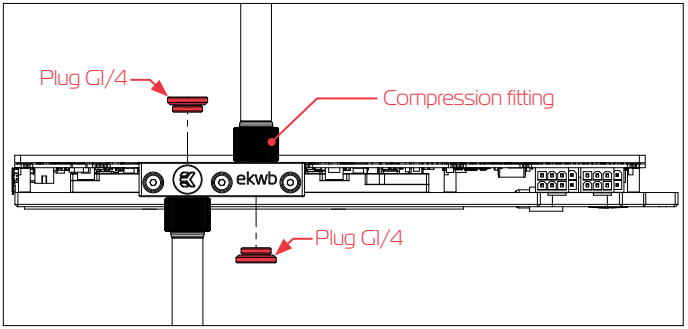
INSTALLING THE BACKPLATE



Take six mounting countersunk screws (M2.5x8) that you have already removed from the backplate and install them as shown in the picture.

Tighten the screws with the Phillips head screwdriver.

INSTALLING THE FITTINGS AND TUBING

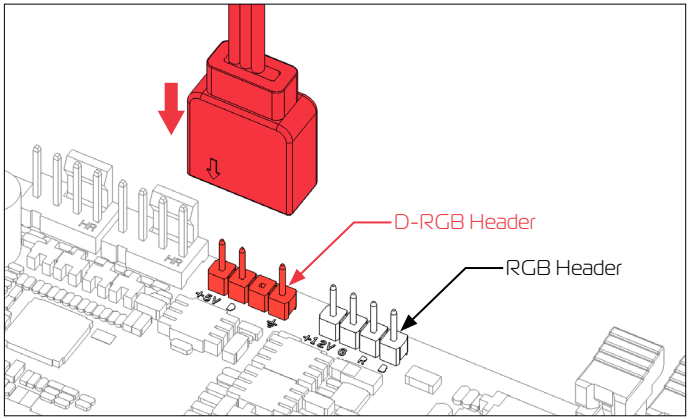


Screw in the two G1/4 threaded male fitting. Attach the liquid cooling tubes and connect the water-block(s) into the cooling circuit. On other two G1/4 openings attach the enclosed plugs.

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. 5 mm 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

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