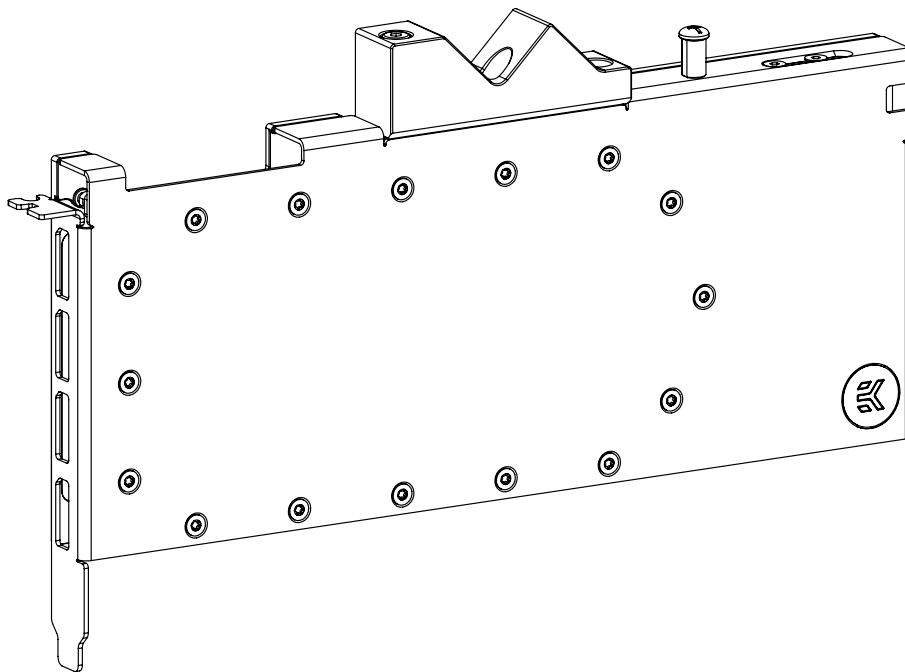


EK-PRO GPU WB RTX A6000 - Ni + Inox

GPU WATER BLOCK



Before you start using this product, please follow these basic guidelines:

Carefully read the manual before beginning with the installation process.

Remove your graphics card from the computer for the safest mounting process to prevent any possible damage to your GPU or its circuit board (PCB).

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

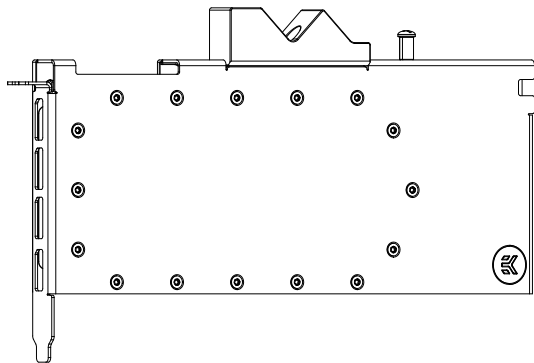
The use of quality market-proven corrosion-inhibiting coolants is always strongly recommended for any liquid cooling system.

Do not use pure distilled water as a cooling liquid! For best results, EK recommends the use of EK-CryoFuel Coolants. Make sure to bleed air out of your water block thoroughly in order to reach optimal performance.

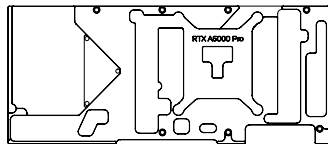
TABLE OF CONTENTS

BOX CONTENTS	4
WATER BLOCK DIMENSIONS	5
TECHNICAL SPECIFICATIONS AND WATER BLOCK PARTS	6
PREPARING YOUR GRAPHICS CARD	7
REMOVING THE STOCK COOLER	7
CLEANING THE PCB	7
CUTTING AND PLACING THERMAL PADS	8
APPLYING THERMAL COMPOUND	8
INSTALLING THE WATER BLOCK	9
PLACING THE BLOCK ON THE GRAPHICS CARD	9
ATTACHING THE BACKPLATE	12
CHECKING THE CONTACT IN CASE OF HIGH TEMPERATURES	12
INSERTING THE GRAPHICS CARD INTO THE CHASSIS	13
TESTING THE LOOP	13
SUPPORT AND SERVICE	14
SOCIAL MEDIA	14

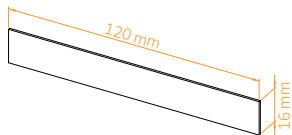
BOX CONTENTS



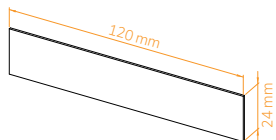
EK-Pro GPU WB RTX A6000 - Ni + Inox



054 - alu - RTX A6000 Pro TT
backplate (Bl. Elox) (1x) 105005



Thermal PAD F 1.0 mm - (120 x 16 mm)
(3x) 3830046996732



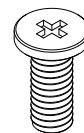
Thermal PAD G 1.0 mm - (120 x 24 mm)
(3x) 3830046996770

054-Mounting RTX A6000 107247

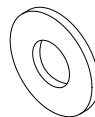
Note: There are additional screws in the mounting kit.



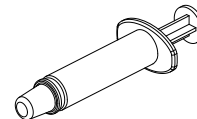
Screw M2.5 x 4 ax1 (5x)
9047



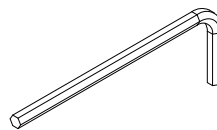
Screw M2.5 x 8 ax1 (13x)
8104A



Washer POLYAMID M2.5 0.5mm
(5x) 8623



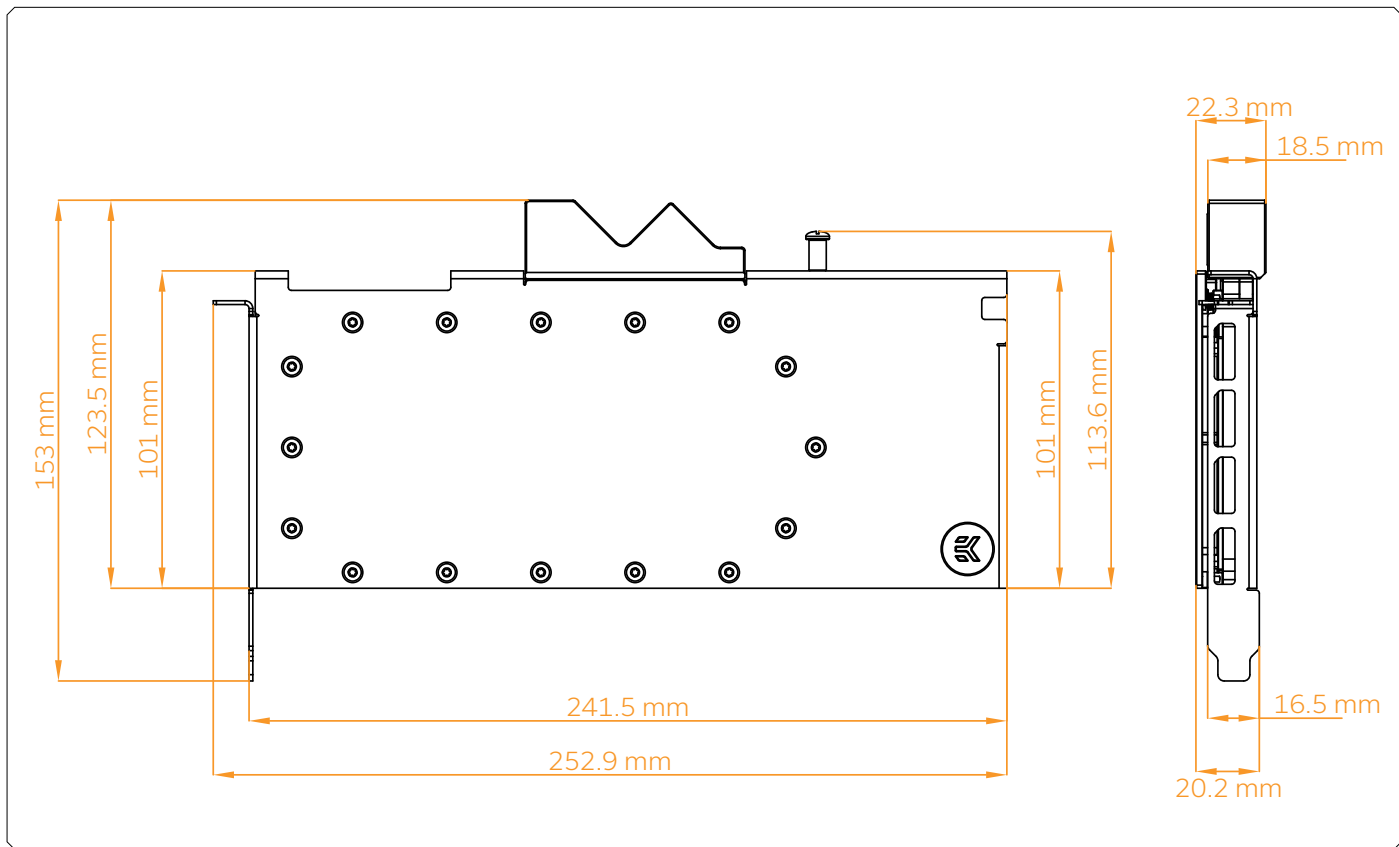
Thermal grizzly Hydronaut (1g)
(1x) 3830046998447



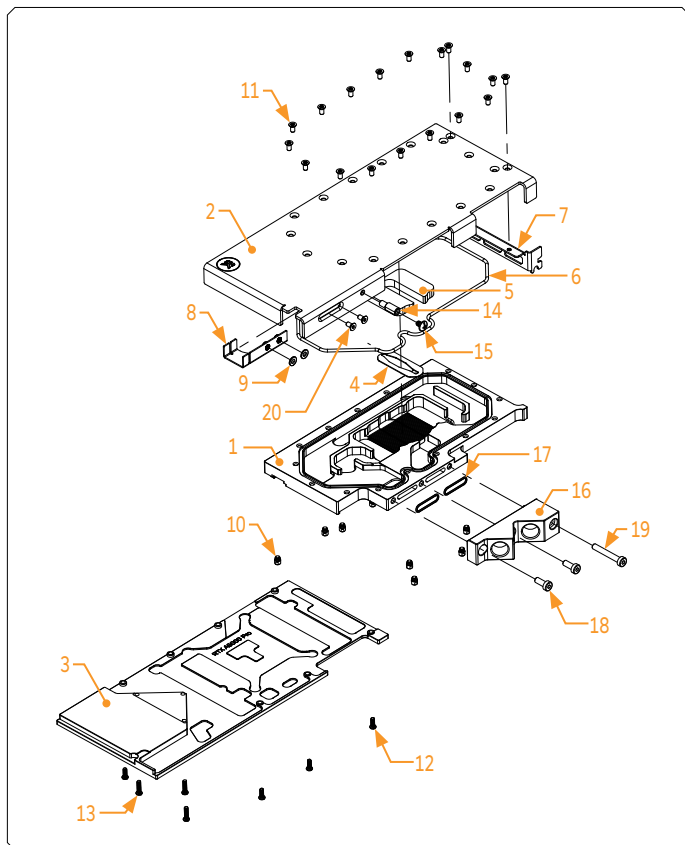
Allen Key 2 mm (1x) 8901

Screw size guide (1x) 103012

WATER BLOCK DIMENSIONS



TECHNICAL SPECIFICATIONS AND WATER BLOCK PARTS



Position	EAN	Description	Quantity
1	104998	054 - alu - RTX A6000 Pro TT coldplate	1
2	105002	054 - alu - RTX A6000 Pro TT top	1
3	105004	054 - alu - RTX A6000 Pro TT backplate	1
4	102210	ALU - FC GPU Jet plate 0.5 mm	1
5	104318	054 - top plexi - A6000 insert ZX	1
6	105368	OR 138 x 2 NBR70	1
7	103698	054 - kovina - RTX A6000 Pro - bracket (Black Ni)	1
8	103713	054 - kovina power adapter	1
9	8625	Podložka POLYAMID M3 0.5 mm samolepljiva	2
10	102924	MS - Vector FE RTX Standoff M3.5-M2.5 x 3 (Nickel)	11
11	103090	Vijak M3 x 6 ISO 14581 - TX-INOX	18
12	9049	Vijak M2.5 x 7 3825040ax1	7
13	104344	Vijak M2.5 x 10 AX1	3
14	102490	Medenina - Pro GPU Bracket standoff M4-6/32 - Ni	1
15	8483	ISO 7380 - UNC6-32 x 5	1
16	3674	TOP Acetal - FC Terminal M4 Pre-filled	1
17	5155	OR 15 x 1 EPDM50 (FC Terminal)	2
18	9024	Vijak M4 x 10 DIN7984	2
19	100006	Vijak M4 x 27 DIN7984	1
20	9029	Vijak M3 x 6 DIN7991 - INOX	2

PREPARING YOUR GRAPHICS CARD

STEP 1

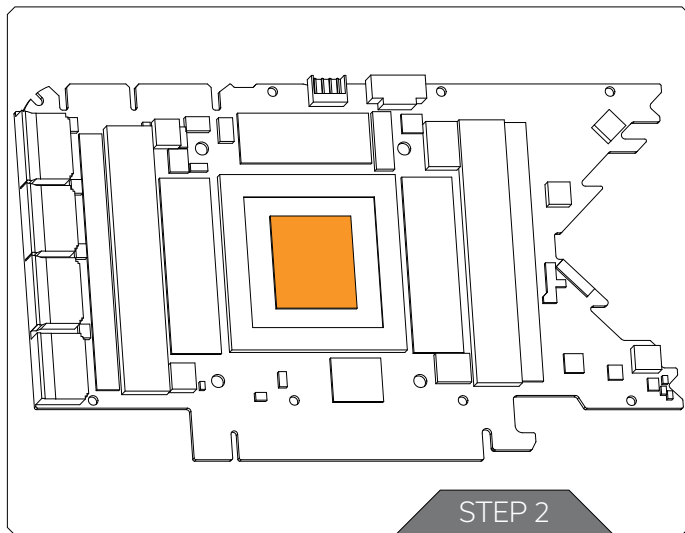
REMOVING THE STOCK COOLER

Place your graphics card on the flat surface and carefully remove the stock cooler. Do not forget to unplug all the LED and fan connectors. Pay attention to the following steps in order to install the **EK-Pro GPU RTX A6000** water block onto the graphics card.

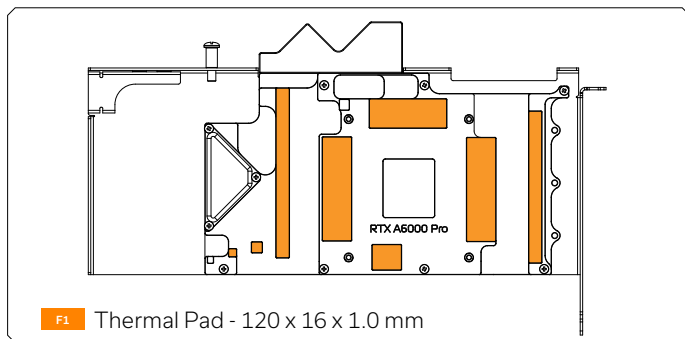
STEP 2

CLEANING THE PCB

Wipe off the remains of the original thermal compound using a nonabrasive cloth or Q-tip, as shown in the sample image, until the components and circuit board are completely clean. EK recommends the use of denatured alcohol for removing TIM leftovers. After that, remove all remaining stock thermal pads from the PCB.



CUTTING AND PLACING THERMAL PADS

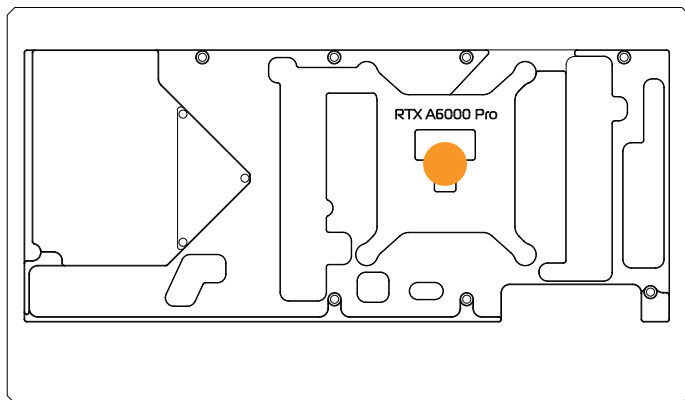


Your GPU water block comes with un-cut thermal pads to cover all the VRM components, such as COILs, MOSFETs, and drivers. Please use 1.0mm thick thermal pads which should be placed on the PCB, as illustrated below. EK made sure to provide you with more than an adequate quantity of thermal pads to complete this Step.



You must remove the protective foil from both sides of the thermal pad before installation.

APPLYING THERMAL COMPOUND



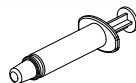
Apply the enclosed EK-TIM Ectotherm thermal grease (thermal compound) on the GPU heat spreader – IHS – as shown in the image. The layer of the thermal compound must be thin and even over the entire surface of the IHS.



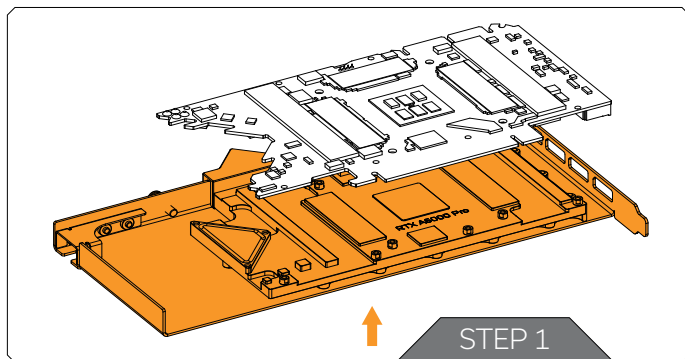
The excessive or uneven application of thermal grease may lead to poor performance!

For this step, you will need:

Thermal Grease



INSTALLING THE WATER BLOCK



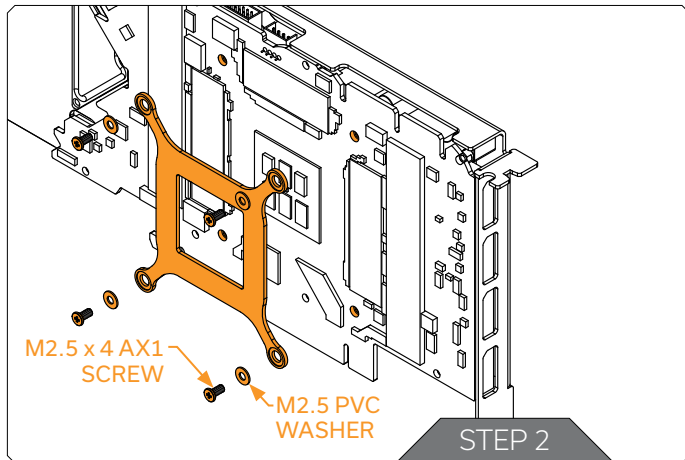
STEP 1

PLACING THE BLOCK ON THE GRAPHICS CARD

This procedure is the same for all full-cover water blocks. Carefully position the water block with preinstalled standoffs on the graphics card. During this process, make sure you have aligned mounting holes of the PCB with holes of the water block.

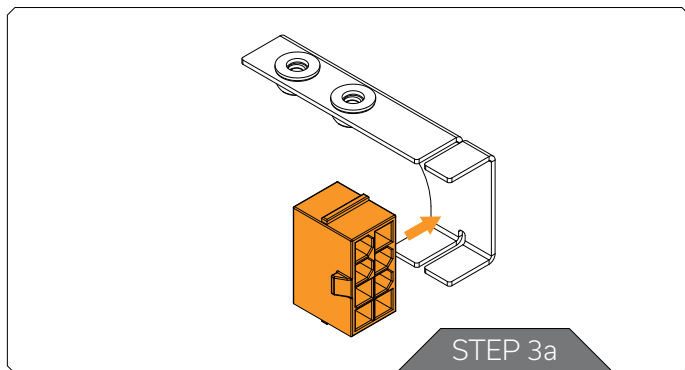


Pay attention not to use too much force when pressing the block down to the PCB since chip dies are prone to cracking.



STEP 2

To attach graphich card to waterblock use stock cross backplate. Mount it with polyamind M2.5 pads and stock M2.5x4 screws.



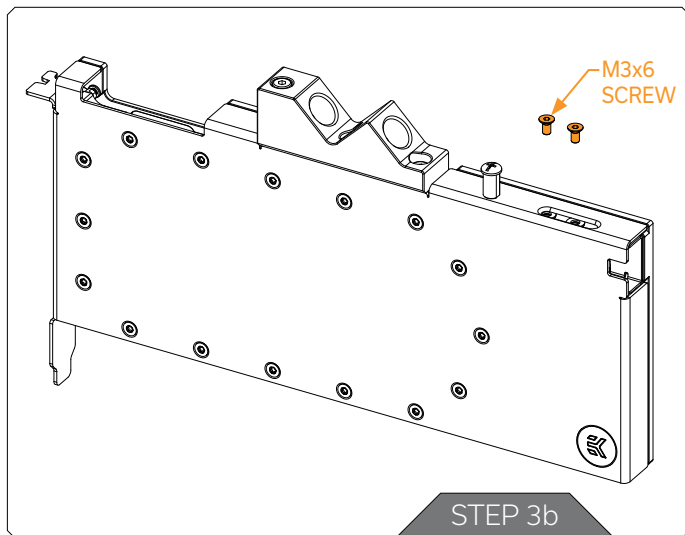
STEP 3

Secure power cable with mounting it into included inox power adapter.

STEP 3a

Insert 8-pin power connector in to the inox adapter. Pads on the power adapter must be aligned with openings in inox power adapter.

Pay attention to the orientation of the latch on connector.

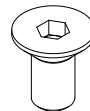


STEP 3b

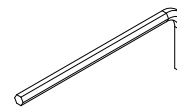
Fasten a inox power adapter to the water block with two (2) M3x6 screws. When power cables is installed there is needed a little bend and twist of power cables in order to attached power adaptor to water block.

For this step, you will need:

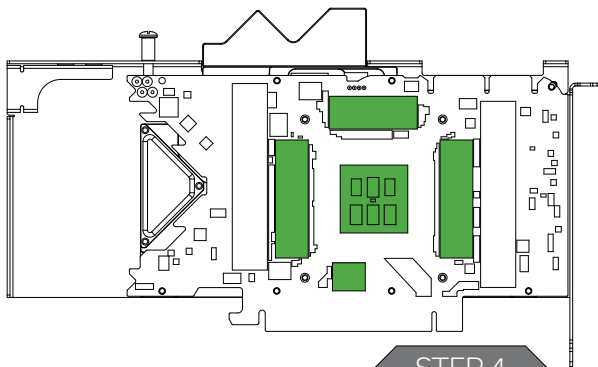
Screw M3 x 6 DIN 7991
(2x) 9029



Allen Key 2 mm
(1x) 8901



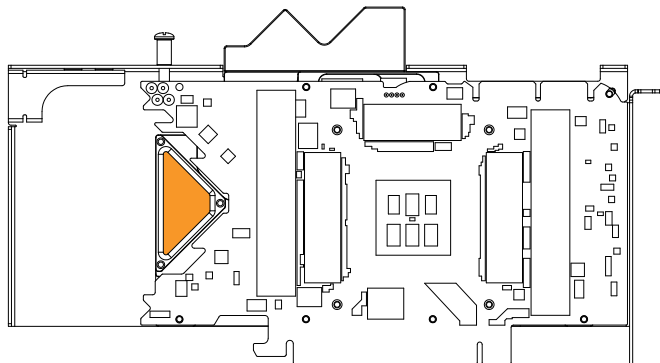
G1 Thermal Pad - 120 x 24 x 1.0 mm



STEP 4

STEP 4

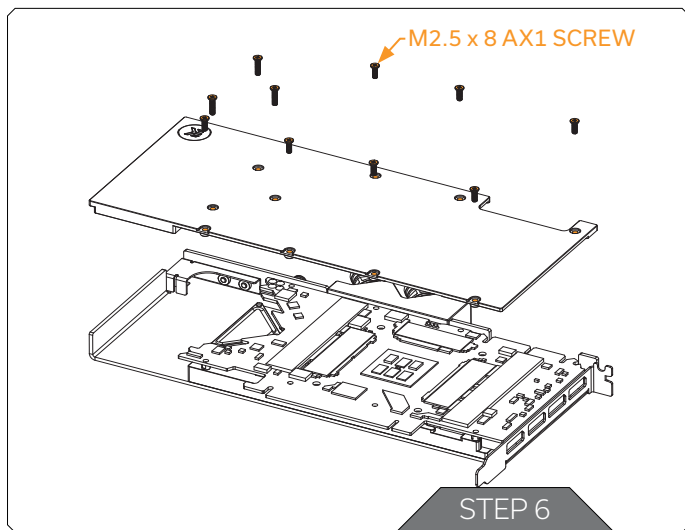
Install 1.0 mm thick thermal pads on the PCB, as illustrated below to ensure better connection between graphic card and backplate. EK made sure to provide you with more than an adequate quantity of thermal pads to complete this Step.



STEP 5

STEP 5

Apply the enclosed EK-TIM Ectotherm thermal grease (thermal compound) on waterblock spreader - as shown in the image. The layer of the thermal compound must be thin and even over the entire marked surface.



STEP 6

ATTACHING THE BACKPLATE

Use ten (10) M2.5 x 8 AX1 screws. Tighten the screws evenly using the Phillips head screwdriver.

The screws must be present on the places marked below:

CHECKING THE CONTACT IN CASE OF HIGH TEMPERATURES

If necessary, temporarily remove the water block to check for uniform surface contact between the block and components. Pay special attention to the VRM section of the graphics card. Check whether the water block makes contact with the intended integrated circuit. Then repeat Steps from the previous section to re-attach the block.



In case you fail to obtain good contact, please check again or contact our support service at <https://www.ekwb.com/customer-support/>.

INSERTING THE GRAPHICS CARD INTO THE CHASSIS

Carefully lift your graphics card with the installed water block and insert it into your PC's motherboard PCI express expansion slot. Please keep in mind that your graphics card is heavier than before it was equipped with the water block.



You need to be very careful when handling the graphics card. Avoid all unnecessary manipulation of the water block assembly that might damage your card or water block.

TESTING THE LOOP

To ensure the installation of EK components was successful, we recommend you perform a 24-hour leak test.

When your loop is complete and filled with coolant, connect the pump to a PSU outside your system. Do not connect power to any of the other components. Turn on the PSU and let the pump run continuously.

Inspect all parts of the loop, and in case the coolant leaks, fix the issue and repeat the testing process. To prevent possible damage, please ensure all hardware is dry before the system is powered on.

SUPPORT AND SERVICE

In case you need assistance or wish to order spare parts or a new mounting mechanism, please contact:

<https://www.ekwb.com/customer-support/>

For spare parts orders, refer to the page with "TECHNICAL SPECIFICATIONS AND WATER BLOCK PARTS" where you can find the EAN number of each part you might need.

Include the EAN number with quantity in your request. Mounting Mechanism EAN can be found under "BOX CONTENTS"

Thermal pads are readily available in the EK shop

SOCIAL MEDIA

 EKWaterBlocks

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 EKWBofficial

 ekwaterblocks

