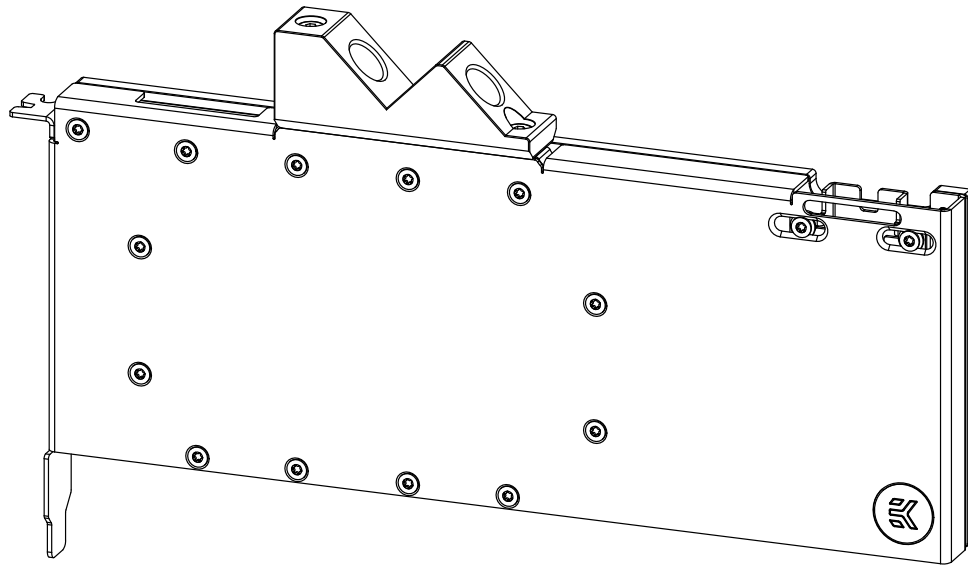


EK-PRO GPU WB RTX 6000 ADA – Nickel + Inox

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.

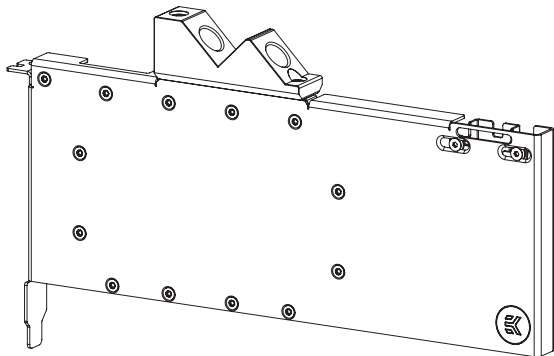
The use of quality market-proven corrosion-inhibiting coolants is always strongly recommended for any liquid cooling system.

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.

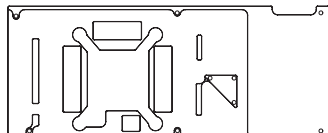
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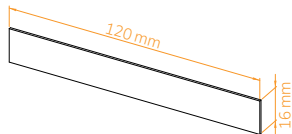
BOX CONTENTS



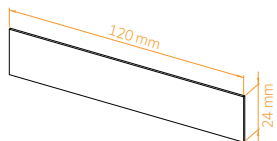
EK-Pro GPU WB RTX 6000 ADA - Nickel + Inox



094-alu-RTX 6000 ADA Backplate
(Bl. Elox) 106626



Thermal Pad F 1.0 mm (4x)
3830046996732



Thermal Pad G 2.0 mm (4x)
3830046996794

094-Mounting RTX 6000 Ada 107243

Note: There are additional screws in the mounting kit.



Screw M2.5 x 7 ax1 (5x)
9049



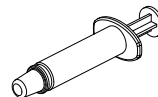
Screw M2.5 x 8 ax1 (4x)
8104A



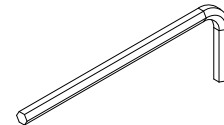
Screw M2.5 x 6 ax1 (3x)
9058



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



EK-TIM Ectotherm (1g) (1x)
3830046998446



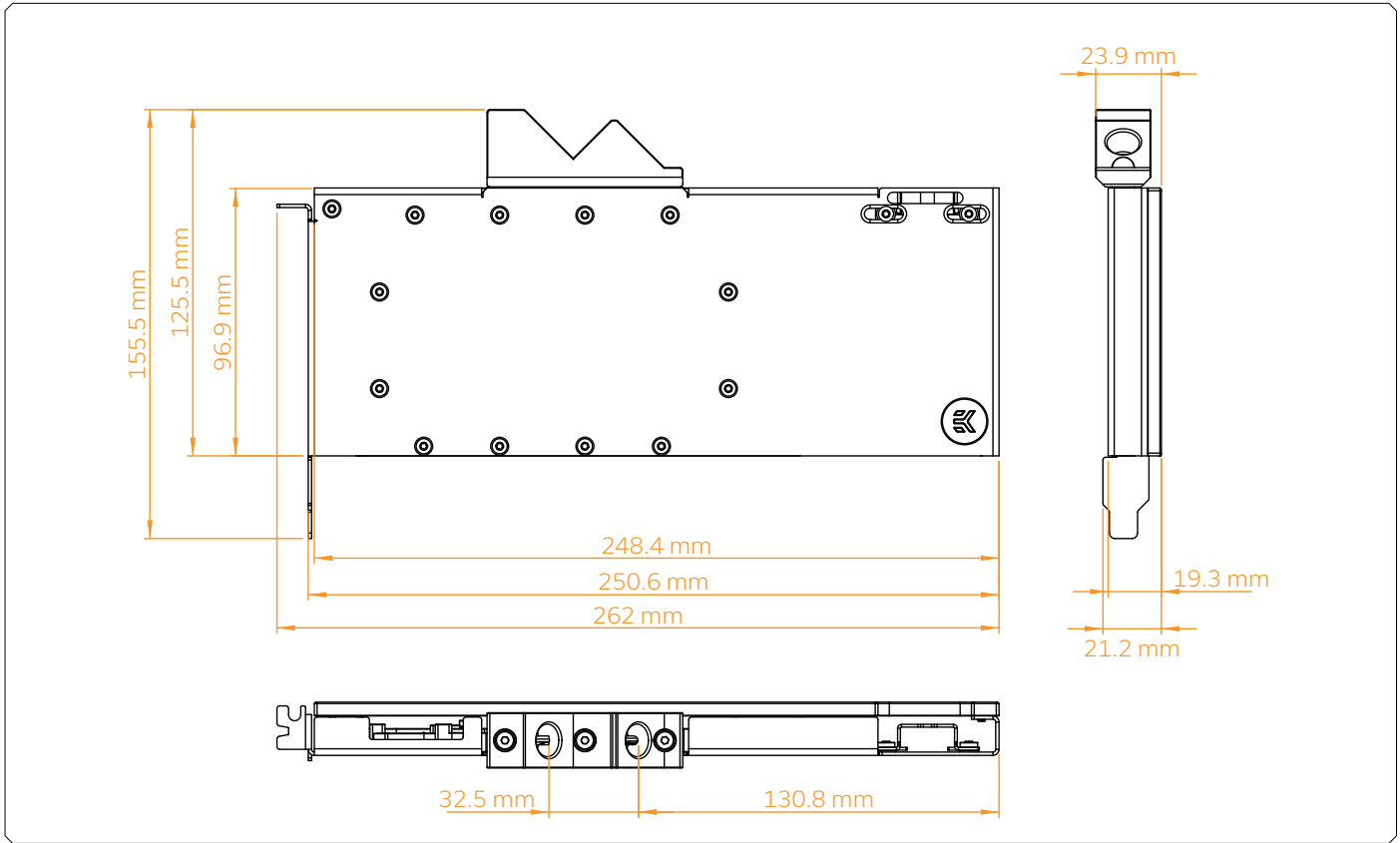
Allen Key 2mm (1x) 8901



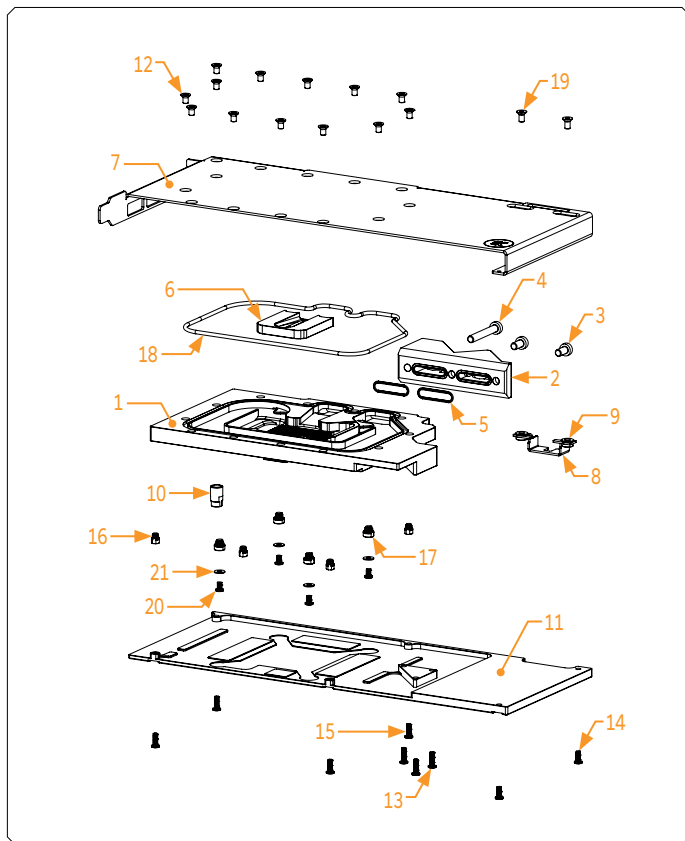
Washer POLYAMID M2.5 0.5mm
(5x) 8623

Screw size guide (1x) 103012

WATER BLOCK DIMENSIONS



TECHNICAL SPECIFICATIONS AND WATER BLOCK PARTS



| Position | EAN | Description | Quantity |
|----------|--------|---|----------|
| 1 | 106618 | 094 - baker - RTX 6000 ADA Coldplate | 1 |
| 2 | 106439 | Top Acetal - Pro Terminal GPU 45 deg G1-4 v2 | 1 |
| 3 | 9013 | Vijak M4 x 8 DIN7984 | 2 |
| 4 | 8323 | Vijak M4 x 28 DIN7984 | 1 |
| 5 | 5155 | OR 15 x 1 EPDM50 (FC Terminal) | 2 |
| 6 | 106133 | TOP Plexi - Vector ² Insert R5 | 1 |
| 7 | 106623 | 094 - kovina - RTX 6000 ADA top | 1 |
| 8 | 106639 | 094 - kovina - RTX 6000 ADA Power Adapter | 1 |
| 9 | 8625 | Podložka POLYAMID M3 0.5 mm samolepljiva | 2 |
| 10 | 106640 | Distancer M3 - M2.5 x 11.5 Pro Medenina (female) | 1 |
| 11 | 106624 | 094 - alu - RTX 6000 ADA Backplate | 1 |
| 12 | 103089 | vijak M3 x 5 ISO 14581 TX INOX | 13 |
| 13 | 8104A | Vijak M2.5 x 8 3825040ax1 | 3 |
| 14 | 9058 | Vijak M2.5 x 6 3825040ax1 | 2 |
| 15 | 9049 | Vijak M2.5 x 7 3825040ax1 | 4 |
| 16 | 103987 | Distancer M3.5-M2.5 x 3 Medenina | 4 |
| 17 | 103988 | Distancer M4-M2.5 x 3 mm Vector ² (Nickel) | 4 |
| 18 | 106638 | 094 - OR - RTX 6000 ADA | 1 |
| 19 | 8211N | Vijak M3 x 5 DIN7991 - Nickel | 2 |
| 20 | 9047 | Vijak M2.5 x 4 3825040ax1 | 4 |
| 21 | 8623 | Podložka Polyamid M2.5 0.5 mm | 4 |

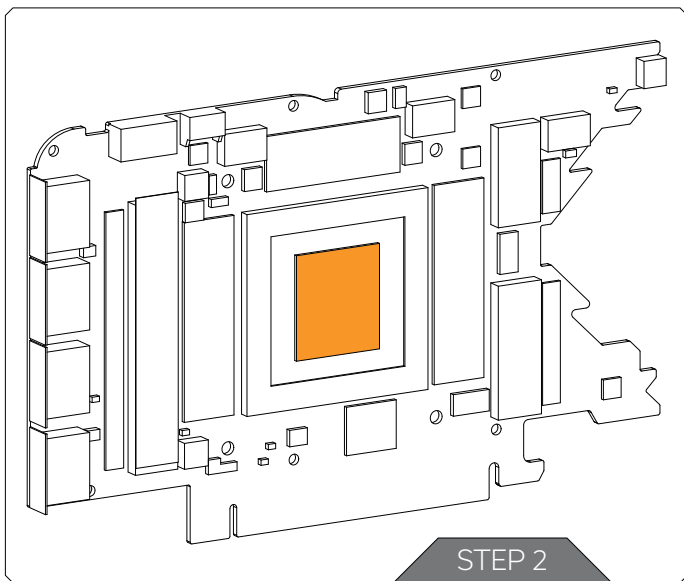
PREPARING YOUR GRAPHICS CARD

STEP 1 REMOVING THE STOCK COOLER

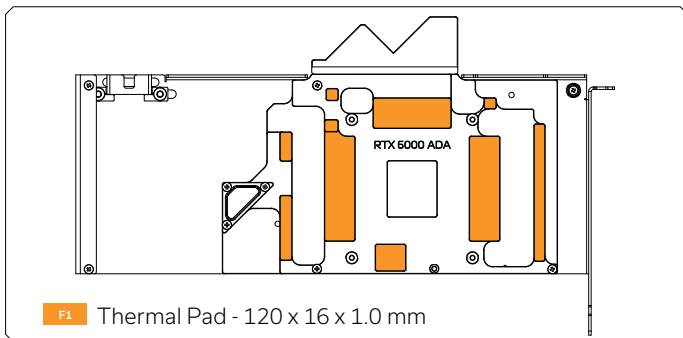
Place your graphics card on the flat surface and carefully remove the stock cooler. Do not forget to unplug all the LED and fan connectors. Pay attention to the following steps in order to install the **EK-Pro GPU RTX 6000 ADA** water block onto the graphics card.

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

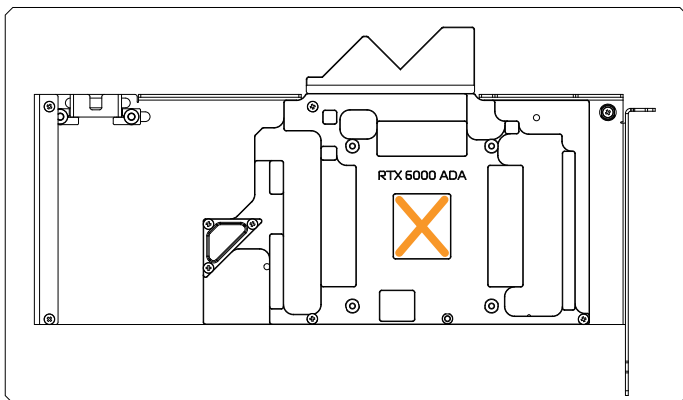


Your GPU water block comes with un-cut thermal pads to cover all the VRM components, such as COILs, MOSFETs, and drivers. Please use 1.0 mm thick thermal pads which should be placed on the PCB, as illustrated below. EK made sure to provide you with more than an adequate quantity of thermal pads to complete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



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

APPLYING THERMAL COMPOUND



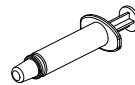
Apply the enclosed EK-TIM EctoTherm thermal grease (thermal compound) on the GPU heat spreader – IHS – as shown in the image. The layer of the thermal compound must be thin and even over the entire surface of the IHS.



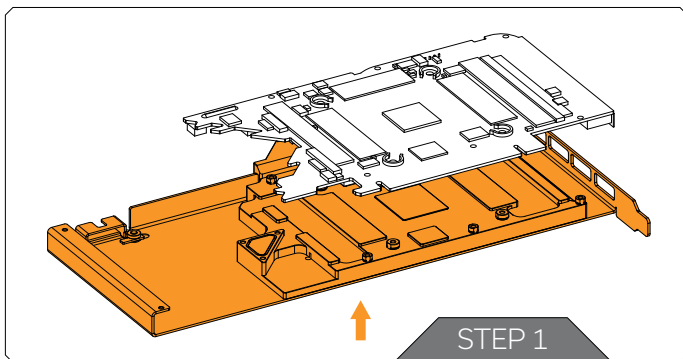
The excessive or uneven application of thermal grease may lead to poor performance!

For this Step, you will need:

Thermal Grease



INSTALLING THE WATER BLOCK



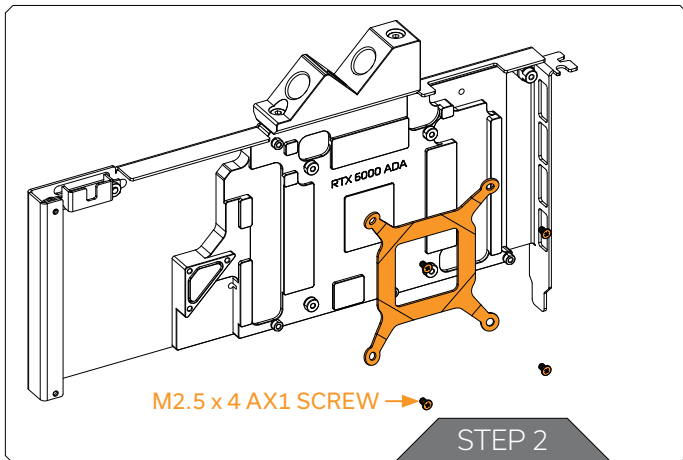
STEP 1

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 graphics card to waterblock use stock cross backplate. Mount it with polyamid M2.5 washer (4x) and M2.5 x 4 screws (4x).

For this Step, you will need:

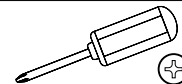
M2.5 x 4 AX1 Screw
(4x) 9047

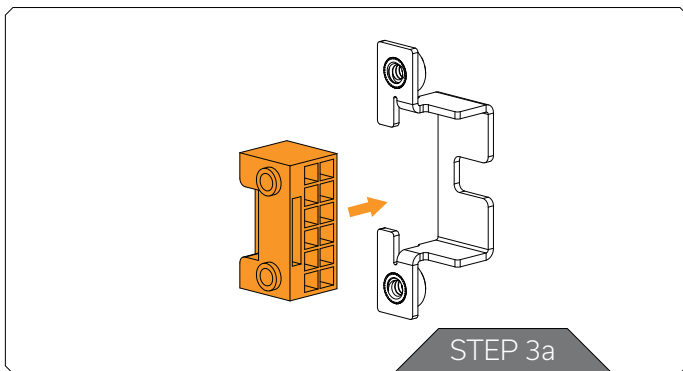


Washer Polyamid M
2.5 0.5mm (4x) 8623



Phillips Head
Screwdriver





STEP 3a

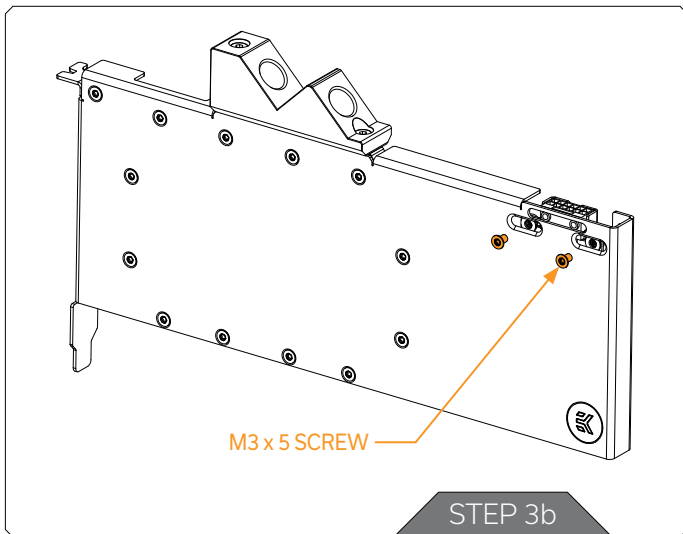
STEP 3

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 alligned with openings in inox power adapter.

Pay attention to the orietation of the latch on connector.



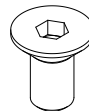
STEP 3b

STEP 3b

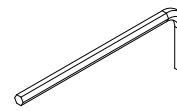
Fasten a inox power adaptor to the water block with two (2) M3 x 5 screws. When power cables is installed there is needed a little bend and twist of power cables in order to attached power adaptor to water block.

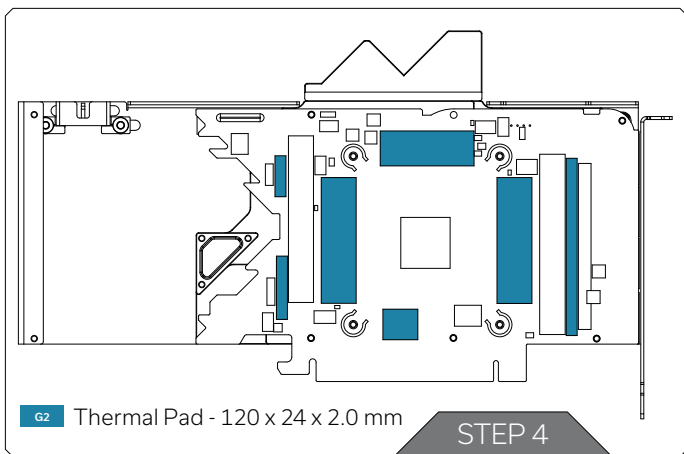
For this Step, you will need:

Screw M3 x 5 DIN 7991
(2x) 8211



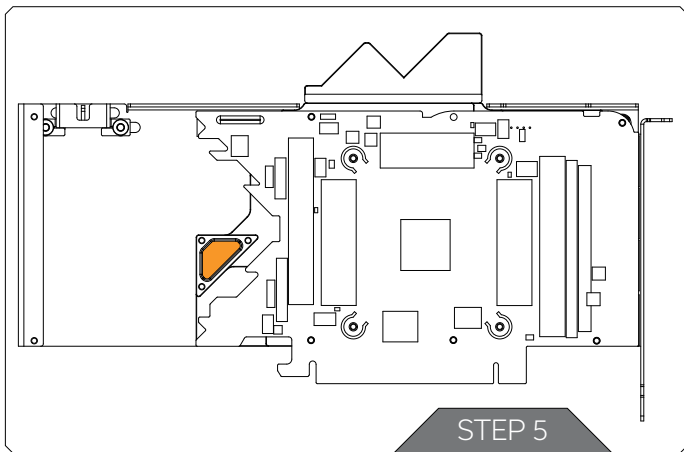
Allen Key 2mm
(1x) 8901





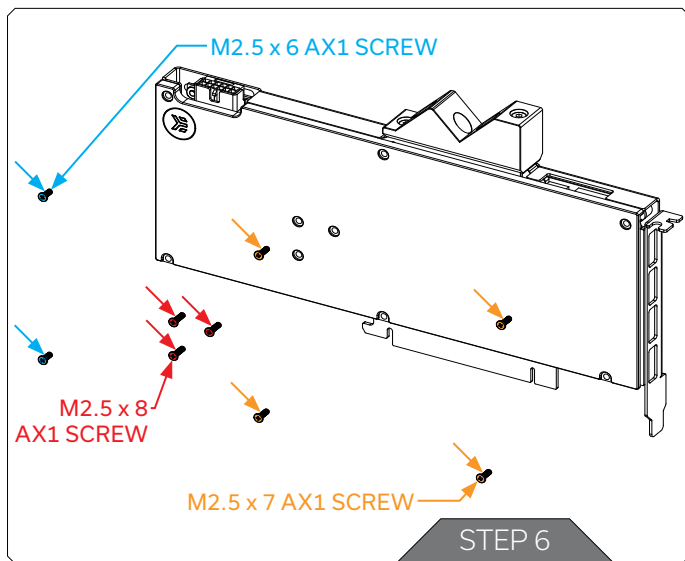
STEP 4

Install 2.0 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

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.



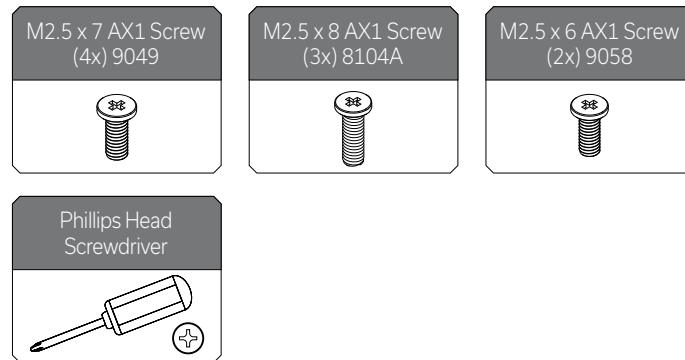
STEP 6

ATTACHING THE BACKPLATE

Use **M2.5 x 7 AX1**, **M2.5 x 6 AX1**, **M2.5 x 8 AX1** screws. Tighten the screws evenly using the Phillips head screwdriver.

The screws must be present on the places marked on the picture:

For this Step, you will need:



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

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