Installation and mounting manual for EK-RAM Dominator X4 water block

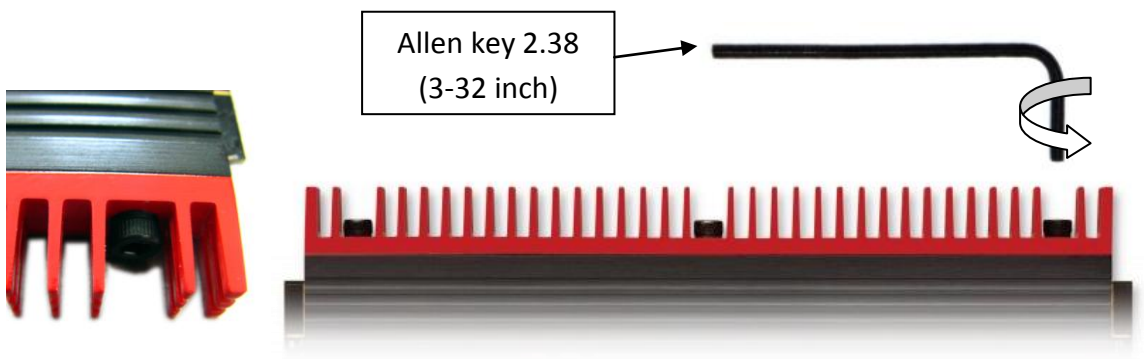
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at www.ekwaterblocks.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box or our home page.

The barb hose fittings require only a small amount of force to screw them in; otherwise the high flow fittings might break. These fittings do not need to be tightened with much force because the liquid seal is made using o-rings. The use of an algaecide and corrosion inhibitors is always recommended for any liquid cooling system.

STEP 1: GENERAL INFORMATION. Sample picture of Corsair Dominator GT memory module

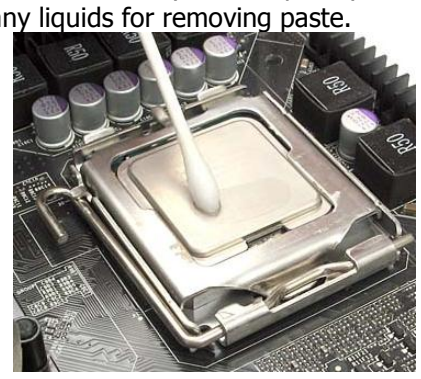
STEP 2: REMOVING THE STOCK COOLER.

Using the encased allen key please remove all three encircled screws in order to remove the red aluminum heatsink. All heatsink assembly screws should be removed. Keep the two out of three original 3-32 screws as you will need them later.



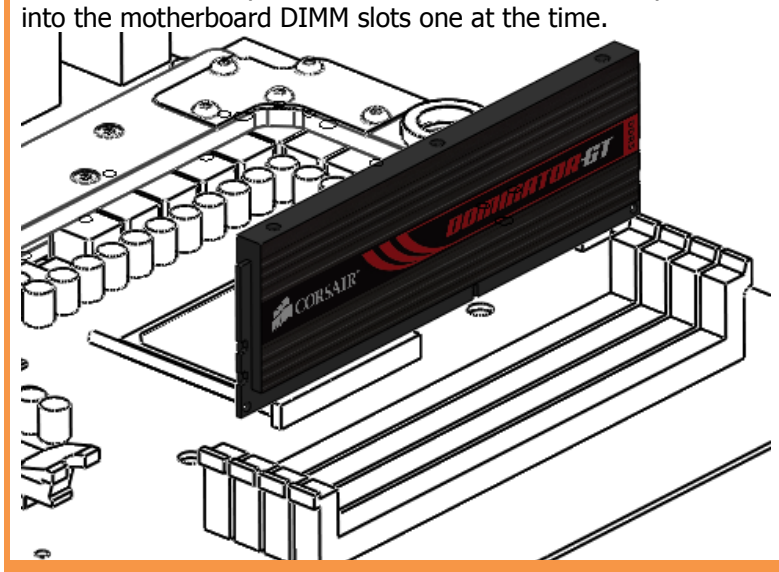
STEP 3: CLEANING THE SURFACES

CLEANING THE MEMORY MODULES STOCK HEAT SINK ASSEMBLY. Carefully detach the original heat sink after removing all fasteners securing it to the aluminum cooler assembly. Wipe off the remains (by using non–abrasive cloth or Q-tip, as shown on sample photo) of the original thermal pads until the heatsink assembly is completely clean. EKWB does not recommend using any liquids for removing paste.



STEP 4: INSTALLING THE MEMORY MODULES

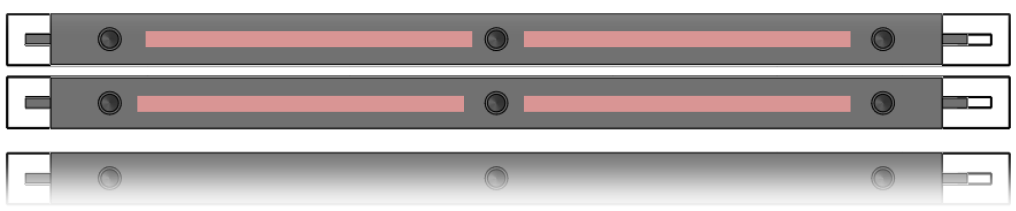
Please install all of your Corsair Dominator GT memory modules into the motherboard DIMM slots one at the time.



STEP 5: APPLYING THERMAL COMPOUND

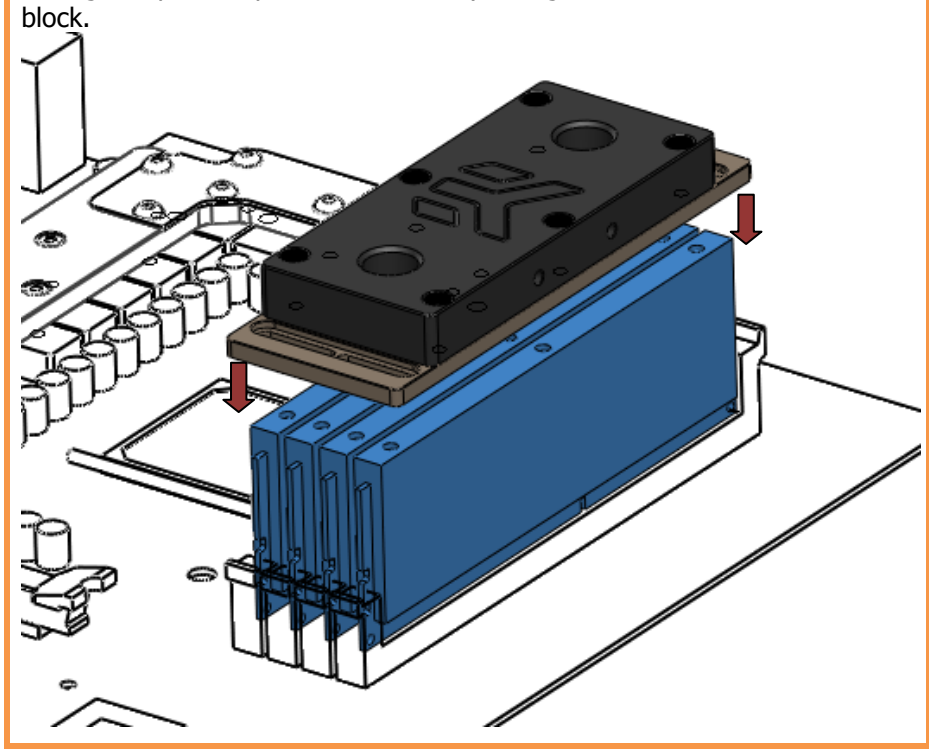
Apply thermal compound: lightly coat the top of the DIMM modules with - for example Arctic Cooling MX2 ™, MX3 ™ or MX4 ™ - electrically non-conductive thermal compound.

EKWB recommends to apply thermal grease in line form due to the specific design of this water block (see sample picture). Avoid applying the paste into the threaded openings!



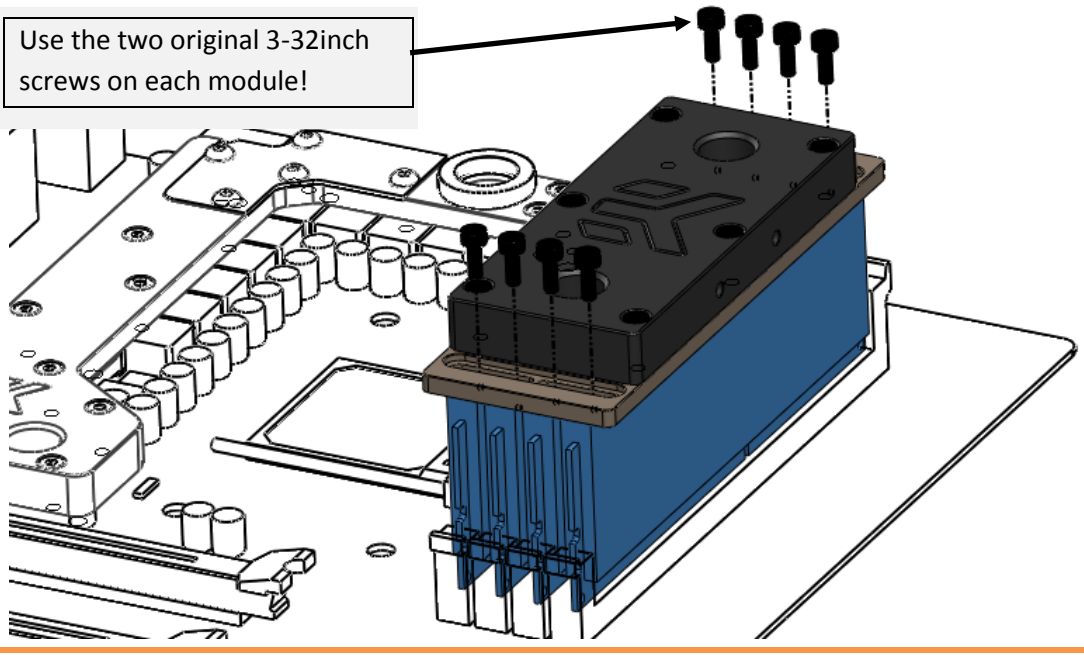
STEP 6: PLACING BLOCK ON DIMM MODULES

During this process please make sure you align holes on PCB with holes on block.



STEP 7: ATTACHING BLOCK TO DIMM MODULES.

By using 3-32 inch allen key screw in the original 3-32 screws provided with every Corsair Dominator memory module. EKWB recommends start screwing the other most screws and continue inwards. Do not tighten the screw completely until you have aligned all memory modules as straight as possible.



All disclosures, notices and warranty conditions are being written on the back of the box.

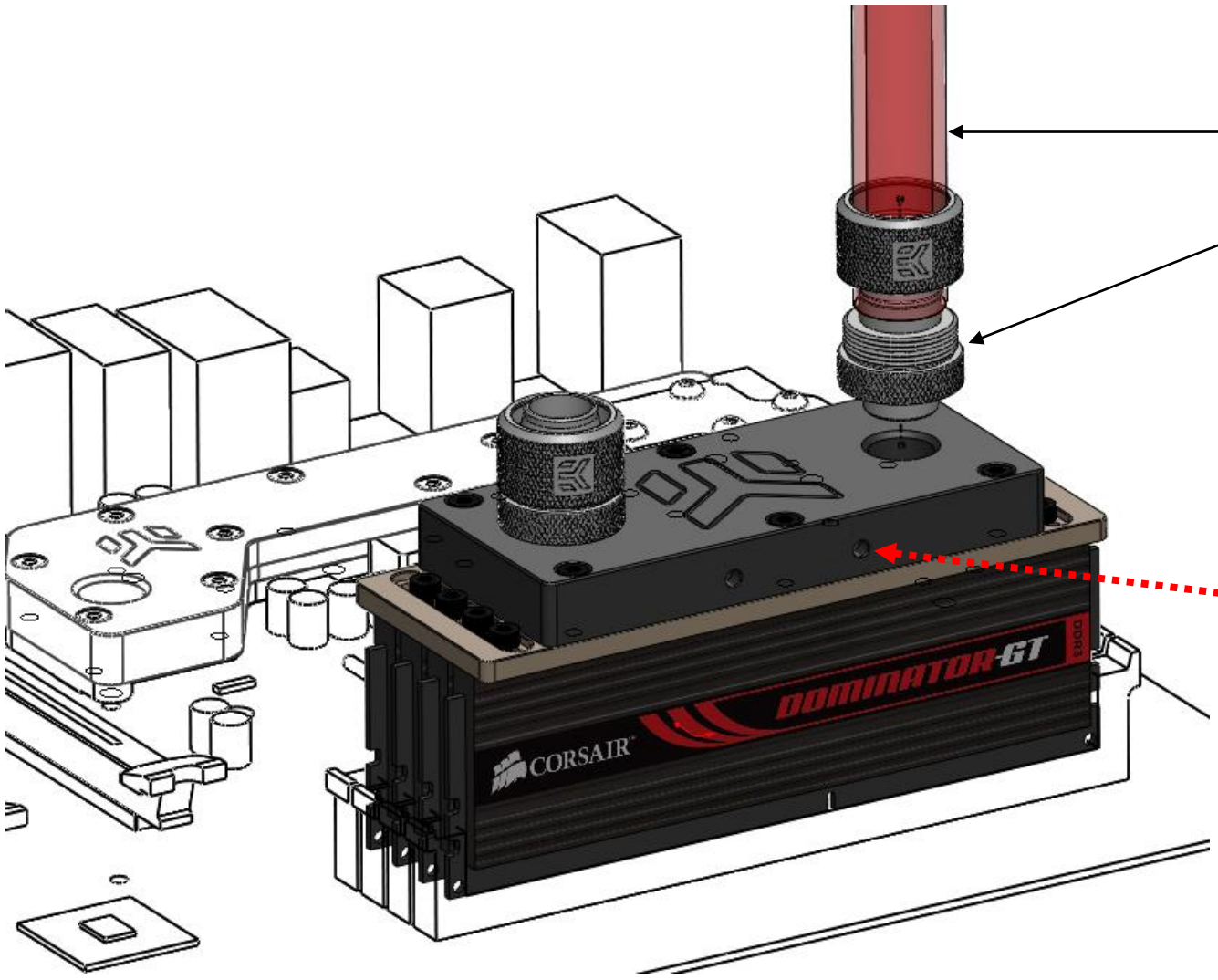
Released on 9th of September, 2011.

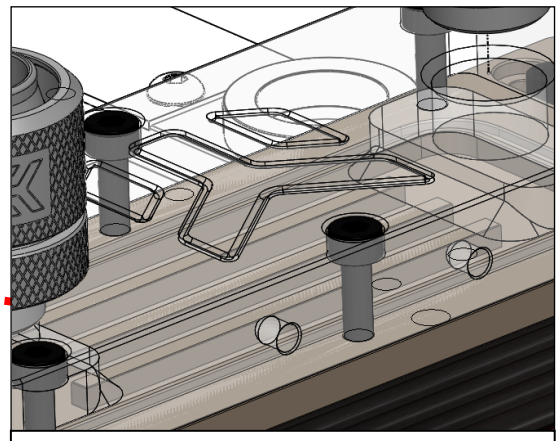
STEP 8: CHECKING FOR CONTACTS

Temporarily remove the water blocks to check for uniform surface contact between the block and the components. Note the pattern of contact on a piece of paper. Then repeat steps 5 to 7 to reattach the block applying more or less pressure to the areas where you have found it necessary.

STEP 9: POSITIONING FITTINGS

Screw in the two G1/4 threaded male fittings. Attach the liquid cooling tubes and connect the water-block(s) into the cooling circuit. EKWB recommends using EK-PSC fittings with the EK-RAM Dominator X4 series water blocks. To ensure that the tubes are securely attached to the barb/fittings, please use hose clamps or an appropriate substitute. The barb hose fittings require only a small amount of force to screw them in; otherwise the high flow fittings might break. These fittings do not need to be tightened with much force because the liquid seal is made using o-rings. The use of an algaecide and corrosion inhibitors is always recommended for any liquid cooling system.
You can use any opening as an inlet/outlet port.





Plexi top only: Two openings for optional install of two 3mm LED diodes

Note: LED diodes are not encased with the water block, but they can be purchased separately through EKWB webshop.

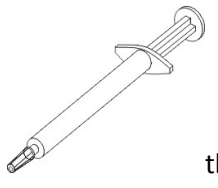
VERY IMPORTANT NOTICE:
Once the installation is completed, it is a recommended practice to test the cooling circuit for leaks prior to powering up the computer. We recommend a 24 hour leak test prior to powering up the computer. Do not test the water block using city tap water pressure. This will rupture the top of the housing and render the block unusable (and will void your warranty).

IMPORTANT DISCLOSURES:
While all efforts have been made to provide the most comprehensive tutorial possible, EKWB assumes no liability expressed or implied for any damage(s) occurring to your components as a result of using EKWB cooling products, either due to mistake or omission on our part in the above instructions, or due to failure or defect in the EKWB cooling products.

WARRANTY:
Our products are warranted against defects in materials or workmanship for a period of 24 months beginning from the date of delivery to the final user. During this period, products will be repaired or have parts replaced at our discretion provided that: (I) the product is returned to the agent from whom it was purchased; (II) the product has been purchased by an end user and has not used for commercial purposes; (III) the product has not been misused, handled carelessly, or used in a manner other than in accordance with the instructions provided describing its installation and proper use. This warranty does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This warranty is offered as an extra benefit and does not affect your statutory rights as a consumer.

REQUIRED TOOLS AND MOUNTING SCREWS:


allen key 2.38 (3-32 inch)


thermal grease

All disclosures, notices and warranty conditions are being written on the back of the box.

Released on 9th of September, 2011.