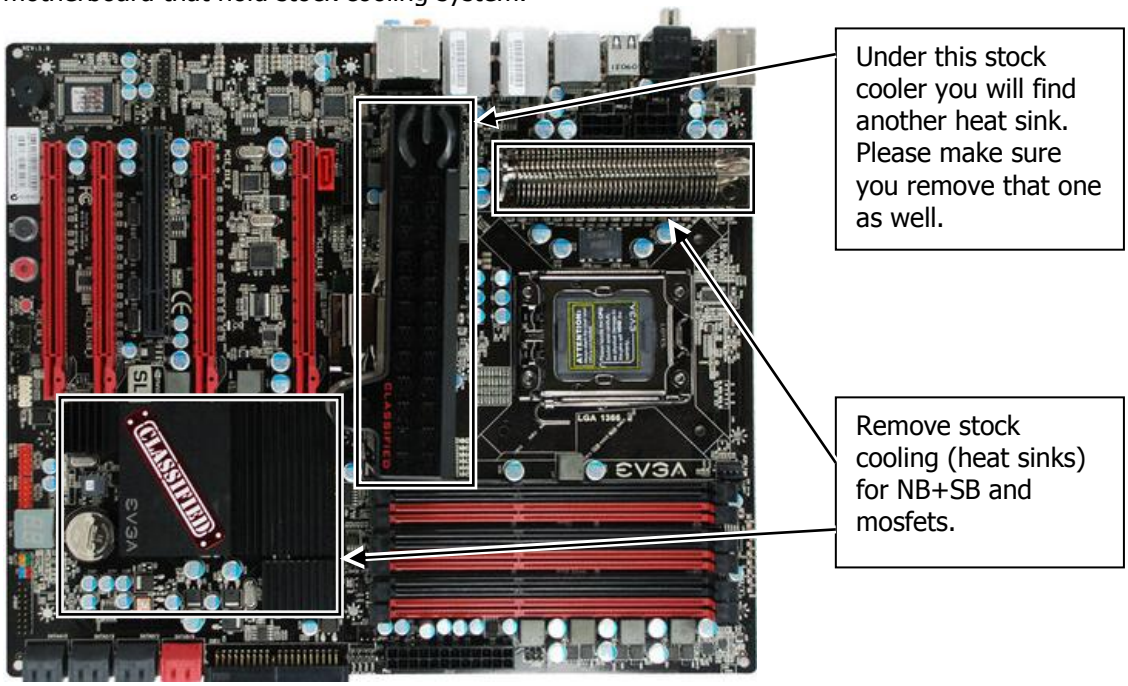
Installation and mounting instructions for **EK-FB EVGA X58 CLASSIFIED** water blocks:

This product is intended for expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your components. 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 or local reseller.

If you need to screw in the fittings, please use small amount of force otherwise the high flow fittings might break. The fittings do not need to be tightened with high force. If you want to use thread longer then 6mm over mosfet area, please use enclosed metal spacer with washer over inlet/outlet hole.

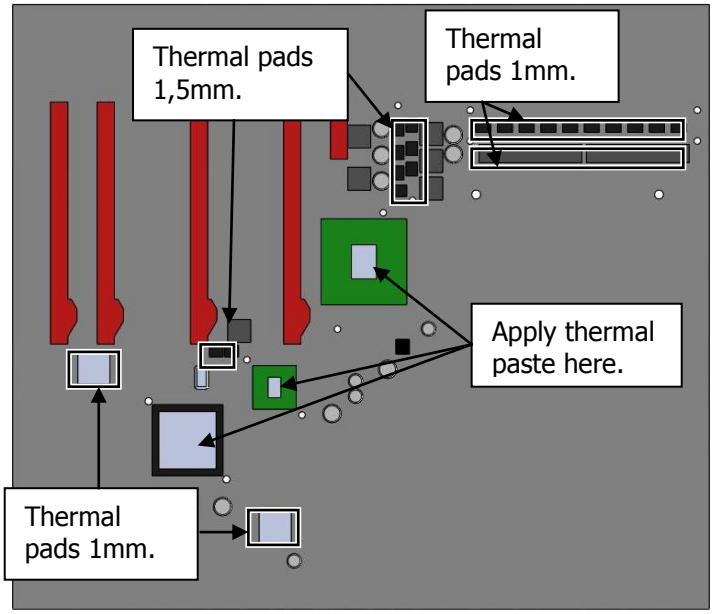
Step 1. Please remove the motherboard from the computer case and unscrew all the screws on the back of the motherboard that hold stock cooling system.



Picture 1: *EVGA X58 Classified motherboard*

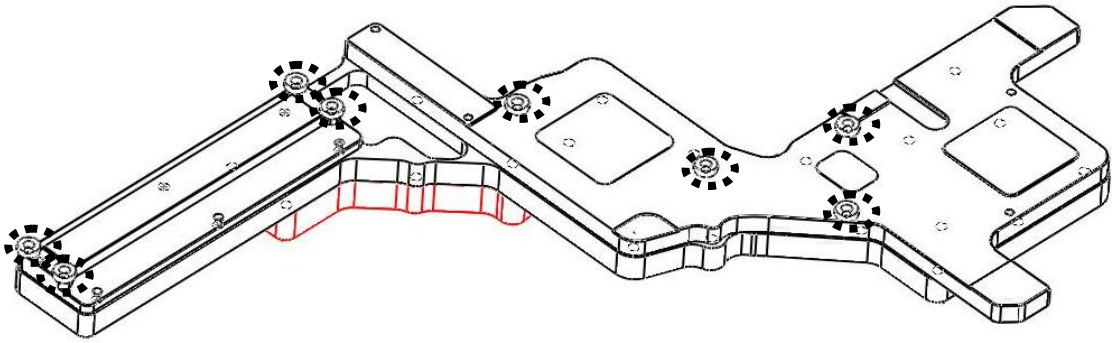
Step 2. Remove all heat sinks.

Step 3. Apply thermal compound: lightly coat the heatpipe system over the northbridge with (for example) Céramique™ thermal compound. Follow this link http://www.arcticsilver.com/ceramique_instructions.htm for detailed instructions. EKWB recommends non-conductive thermal compound.

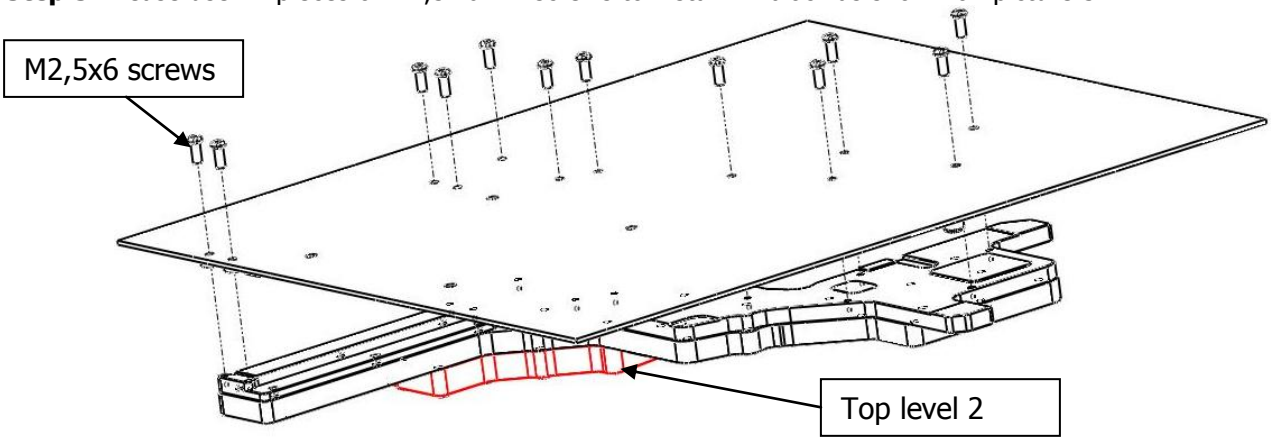


Picture 2: *Apply thermal grease on NB, SB chipsets and place appropriate pre-cut sizes of enclosed thermal pads in order to cover marked VRMs (as shown on sample picture).*

Step 4. Place standoffs on places shown on picture bellow. Prior aligning standoffs with mounting holes, please apply small amount of thermal grease around the thread to fix the standoffs.



Step 5. Please use 12 pieces of M2,5×6mm screws to install FB block as shown on picture 3.



Picture 3: *Installing the block.*

Step 6. Tighten all M2,5 screws equally and gradually to prevent the chipset cores from breaking, especially if not using standoffs. Please be very careful while screwing over Mosfet area if you are not using Acetal standoffs.

Step 7. Remove the block and check for contact surface. Then repeat steps 3 to 6. And apply more or less pressure on area where you have found it necessary.

Step 8. Connect the water-block(s) to your water cooling system and attach the tubes. Any fitting can be used as an inlet or outlet. To ensure the tubes stays properly on the fittings please use hose clamps or appropriate substitute. The use of an algaecide is nonetheless recommended in any liquid cooling system.

Step 9. Users who wish to replace top level 2 (bridge) can find enclosed red acrylic transparent top in the box. While replacing it, please be very careful not to use too much force when screwing - acrylic is prone to cracking, and damaging the threads in the top level 1 is very likely if using too much force on the screws. Also make sure washer is well placed in the groove (channel).
HINT: When washer flattens equally all around and sits nicely in groove that is indicator that is being well placed.

VERY IMPORTANT NOTICE
Once the installation is completed, it is always a good idea to test the 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 directly from city water pressure. This will bow 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, EK Water Blocks assumes no liability expressed or implied for any damage(s) occurring to your components as a result of using EK Water Blocks cooling products, either due to mistake or omission on our part in the above instructions, or due to failure or defect in the EK Water Blocks cooling products.

WARRANTY:
Our products are guaranteed for 24 months from the date of delivery to the final user against defects in materials or workmanship. During this period, they will be repaired or have parts replaced provided that: (I) the product is returned to the agent from which it was purchased; (II) the product has been purchased by the end user and not used for hire purposes; (III) the product has not been misused, handled carelessly, or other than in accordance with any instructions provided with respect to its use. This guarantee does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer. **The guarantee is not valid if there are used aggressive UV additives.**

ADDITIONAL NOTICE:
USE OF STANDOFFS IS OBLIGATORY. FURTHERMORE , PLEASE DO NOT USE TO MUCH TIGHTENING FORCE ON THE 2 SCREWS AROUND SOUTHBRIDGE.ONLY IN THIS WAY THE POTENTIAL DAMAGE TO YOUR MOTHERBOARD IS AVOIDED.
This notice is written upon the letter from EVGA RMA department. They state they will deny all RMA's if they find improper mounting method was used.

Installation and mounting instructions for **EK-FB EVGA X58 CLASSIFIED** water blocks for mounting on EVGA X58 Classified3 (141-GT-E770):

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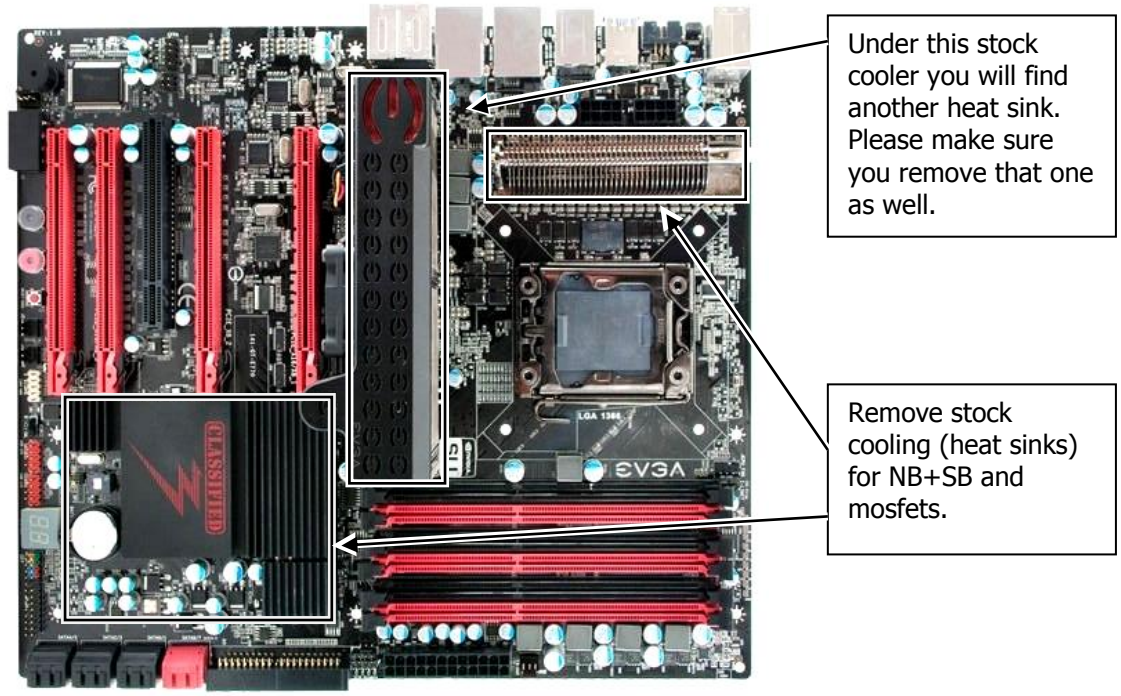
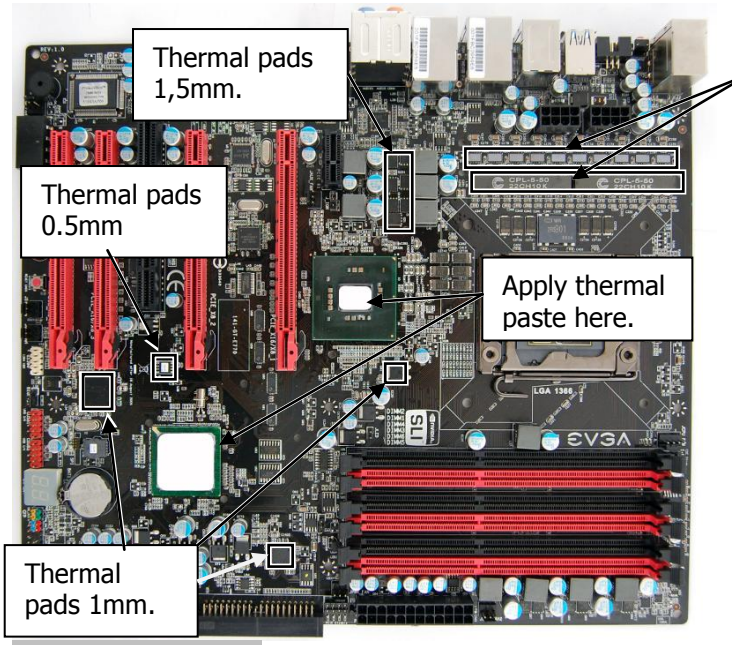


Picture 1: *EVGA X58 Classified3 (141-GT-E770) motherboard*

Step 2. Remove all heat sinks.

Step 3. Apply thermal compound: lightly coat the heatpipe system over the northbridge with (for example) Céramique™ thermal compound. Follow this link http://www.arcticsilver.com/ceramique_instructions.htm for detailed instructions. EKWB recommends non-conductive thermal compound.



Picture 2: *Apply thermal grease on NB, SB chipsets and place appropriate pre-cut sizes of enclosed thermal pads in order to cover marked VRMs (as shown on sample picture).*

Note: 0.5mm thermal pad is not included and has to be bought separately!

Step 4 and beyond. Please follow the enclosed installation and mounting instructions for EVGA X58 Classified!