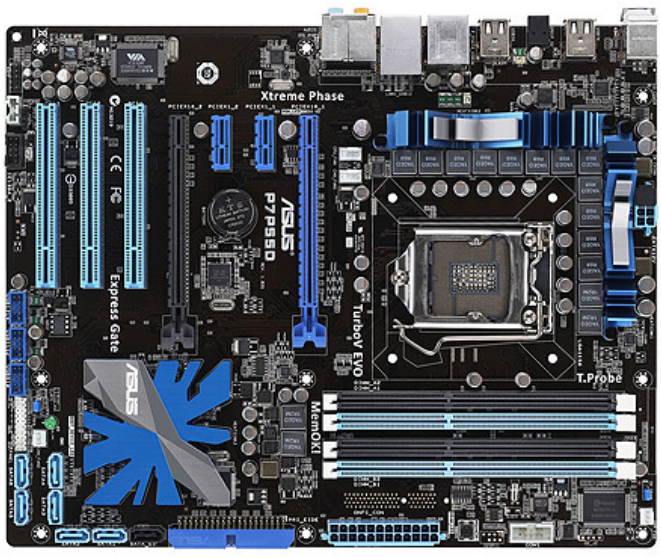
Installation and mounting manuals for **EK-FB ASUS P7P55 KIT** water block:

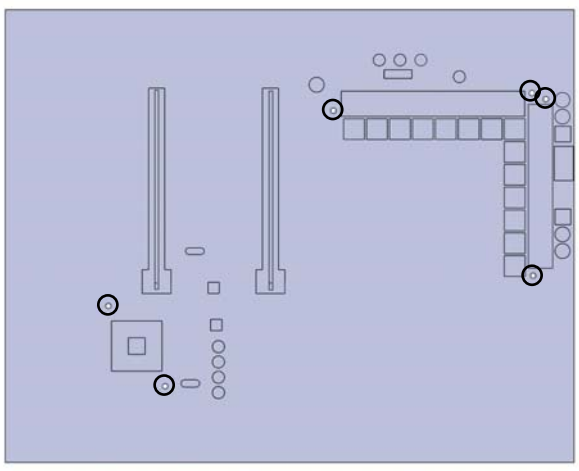
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. 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.
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.

STEP 1: GENERAL INFORMATION. Sample picture of P7P55D motherboard.

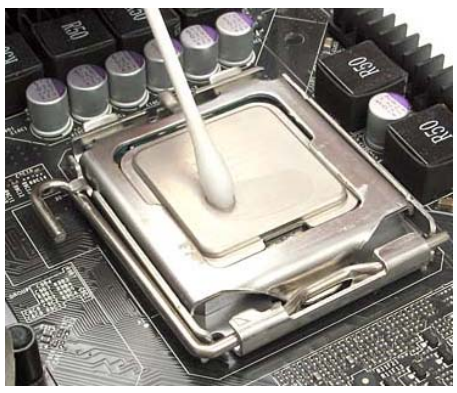


STEP 2: PREPARING YOUR MOTHERBOARD

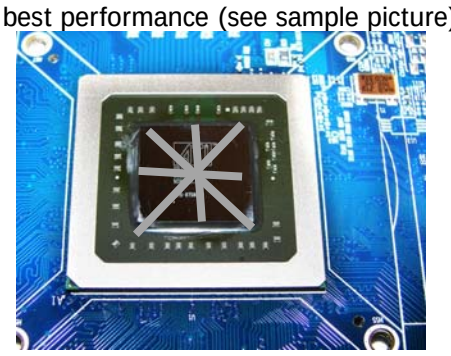
1. REMOVING STOCK COOLER. Remove all encircled screws or plugs. All heat sink assembly screws should be removed. There are 6 screws on the back of the motherboard.



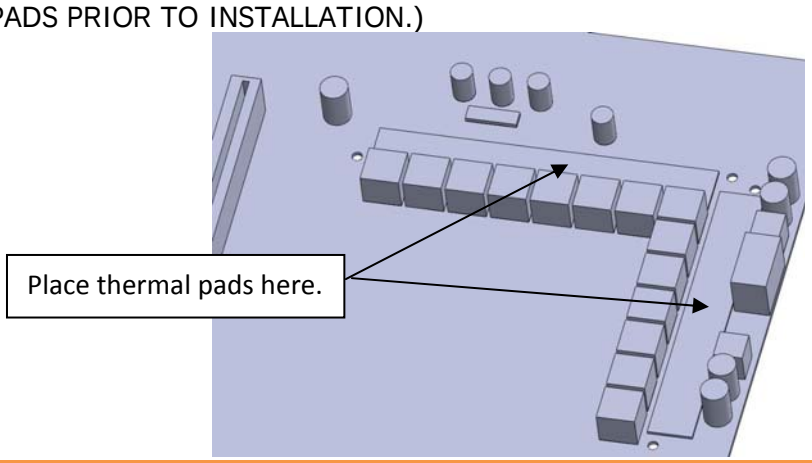
2. CLEANING THE PCB. Carefully detach the original heat sink after removing all fasteners securing it to the board and bracket. Wipe off the remains (by using non–abrasive cloth or qtip, as shown on sample photo) of the original thermal compound until the components and circuit board are completely clean. EKWB does not recommend using any liquids for removing paste.



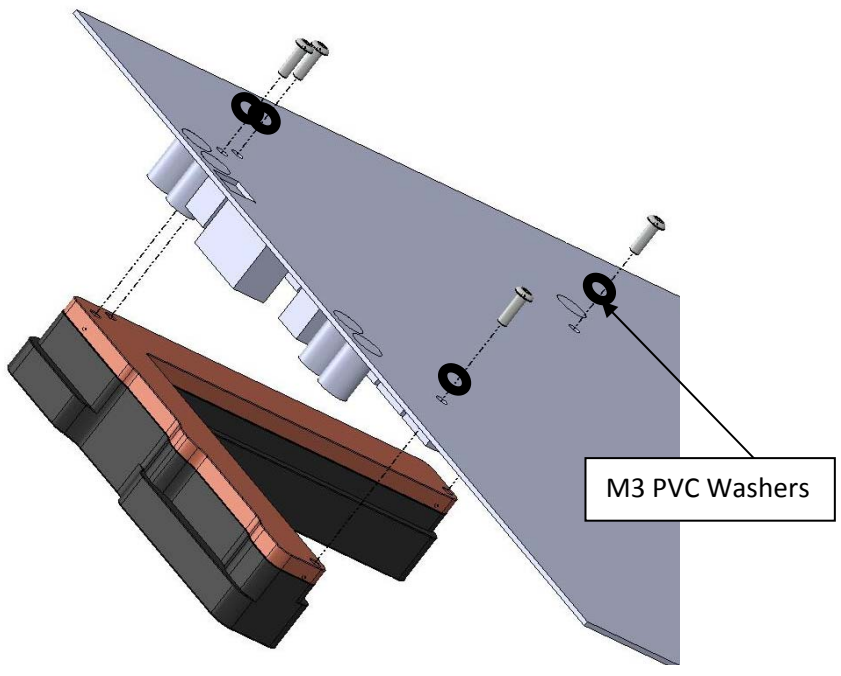
3. APPLYING THERMAL COMPOUND
Apply thermal compound: lightly coat the Southbridge with for example Céramique™ thermal compound. Follow this link http://www.arctic-cooling.com/catalog/product_info.php?cPath=39_&mID=127&language=en for detailed instructions. EKWB recommends non-conductive MX-2, which should be applied in cross form for best performance (see sample picture).



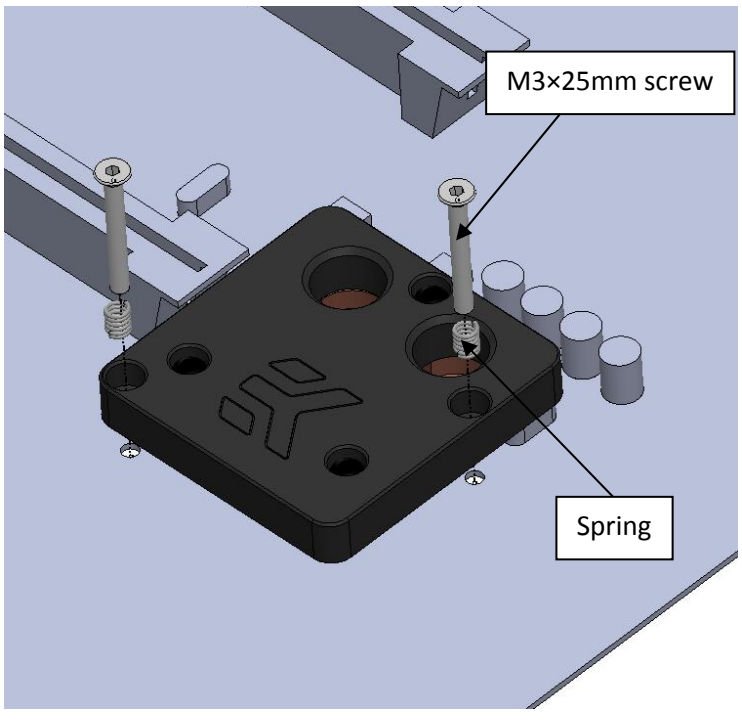
4. CUTTING THERMAL PADS. Your block comes with two precut thermal pads, which have to be placed on mosfet chips. (PLEASE REMOVE FOIL OF THERMAL PADS PRIOR TO INSTALLATION.)



5. PLACING MOSFET BLOCK ON MOTHERBOARD. Place copper base facing mosfet chips directly onto thermal pads and use 4 enclosed screws size M3x6 with PVC washer to secure position of mosfet block. Please make sure you tighten all screws equally, without using too much force. Otherwise middle mosfet chips may not have proper contact / cooling.



6. PLACING SOUTHBRIDGE BLOCK ON MOTHERBOARD. Place southbridge block over chip. Afterwards insert springs and 2 screws M3x25 as shown on picture bellow. Carefully flip your motherboard to the other side.



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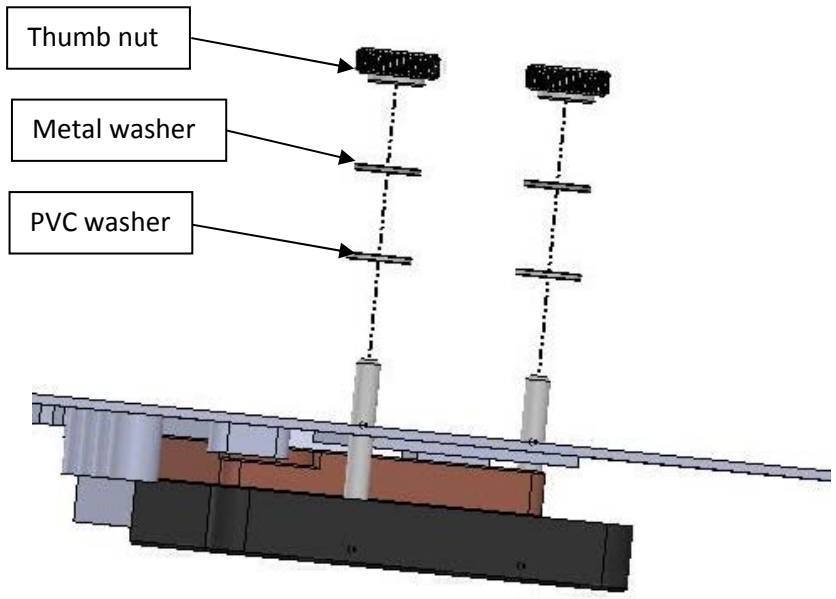
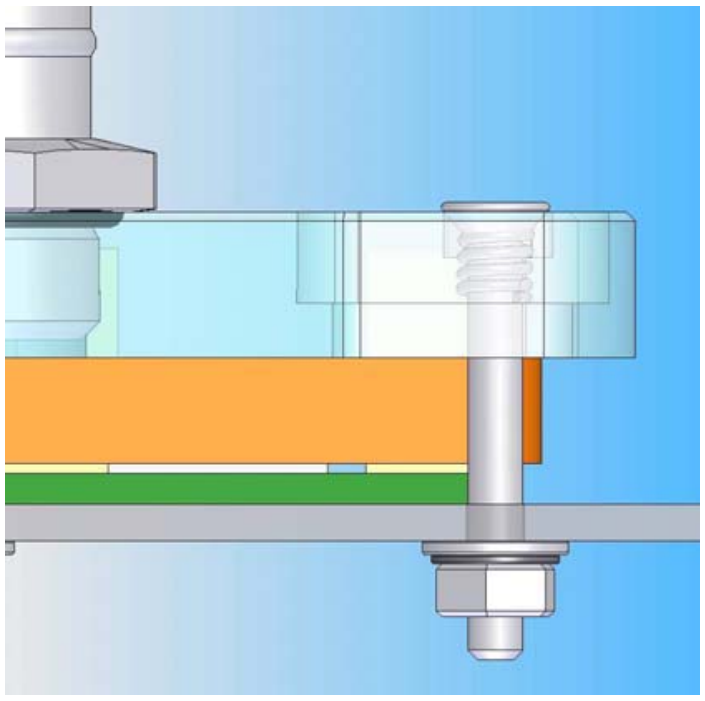
7. ATTACHING THUMB NUTS. Place all mounting elements in same order as bellow and equally and gradually tighten thumb nuts to prevent the core from breaking .
Before moving onto next step, please make sure that spring is appropriately compressed in hole as shown on sample picture (right).



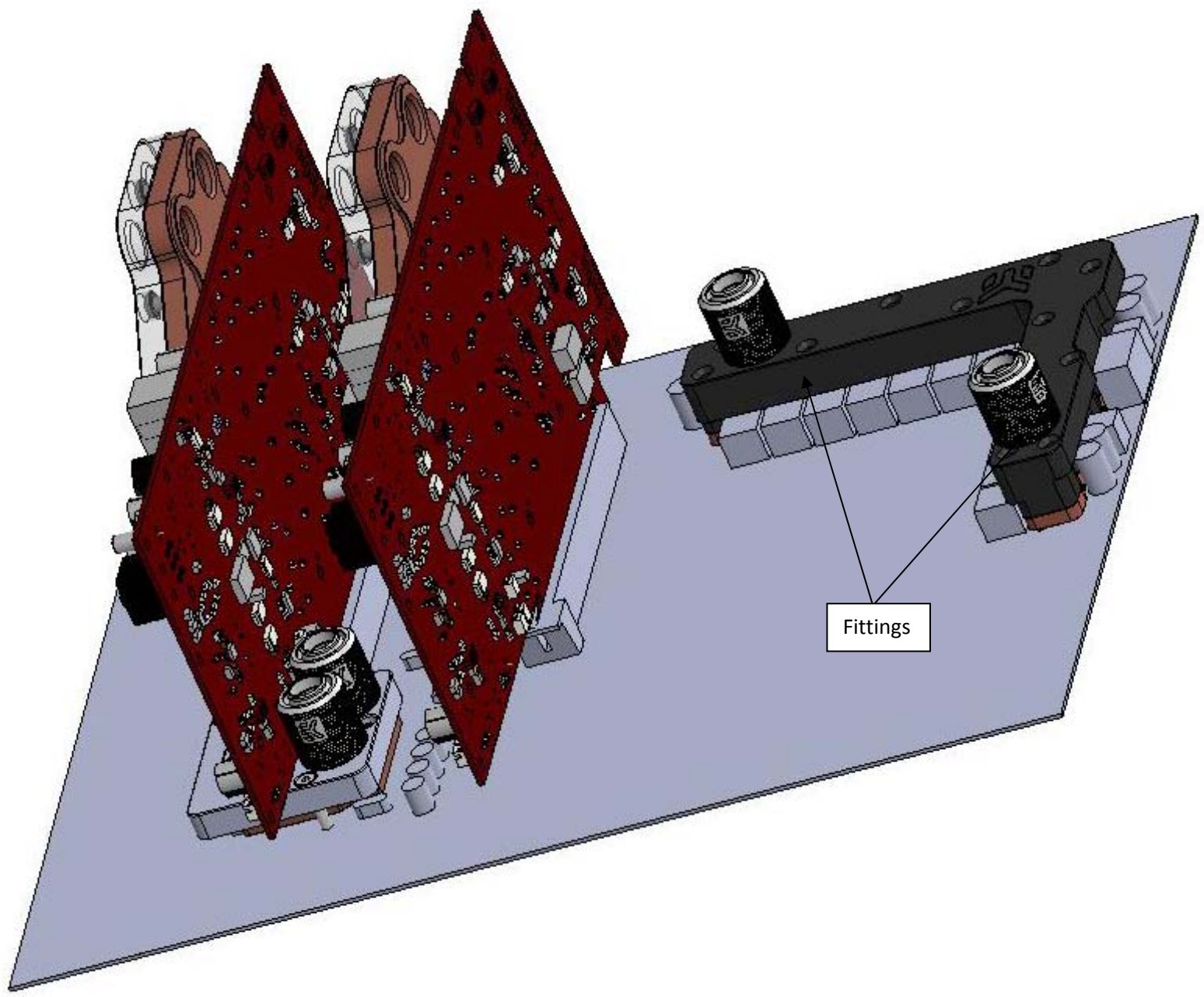


STEP 3: CHECKING FOR CONTACTS

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 and 7 to reattach the block applying more or less pressure to the areas where you have found it necessary.

STEP 4: POSITIONING FITTINGS AND CONNECTING TO WATER CIRCUIT

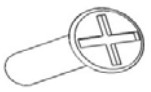
Screw in fittings, attach the liquid cooling tubes and connect the water-block(s) into the cooling circuit. The EK-FB ASUS P7P55D KIT series are usually sold with high flow fittings. To ensure that the tubes are securely attached to the barb fittings, please use hose clamps or an appropriate substitute. The use of an algaecide is always recommended for any liquid cooling system.
You can use any hole as an inlet/outlet hole.

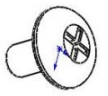


REQUIRED TOOLS AND MOUNTING SCREWS:

 scissors

 philips screwdriver

 2 screws M3x25 DIN965

 4 screws M3x6 DIN7985

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