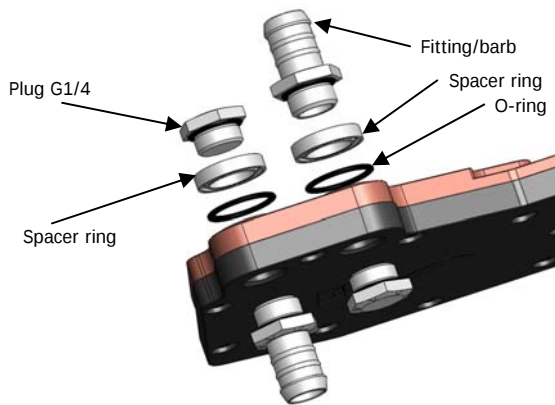


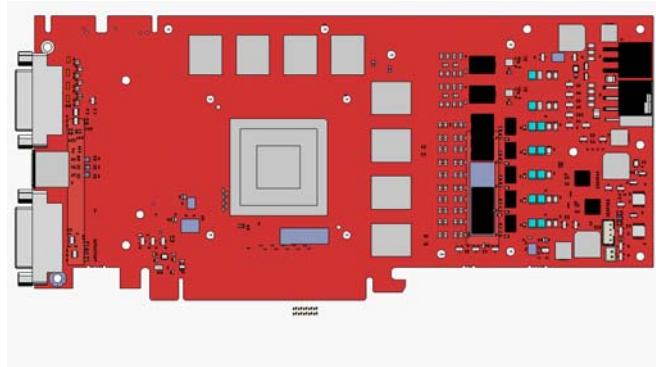
Installation and mounting manuals for EK-FC4890CF water block:

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.

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.



Picture 1: Spacer ring with o-ring placement.



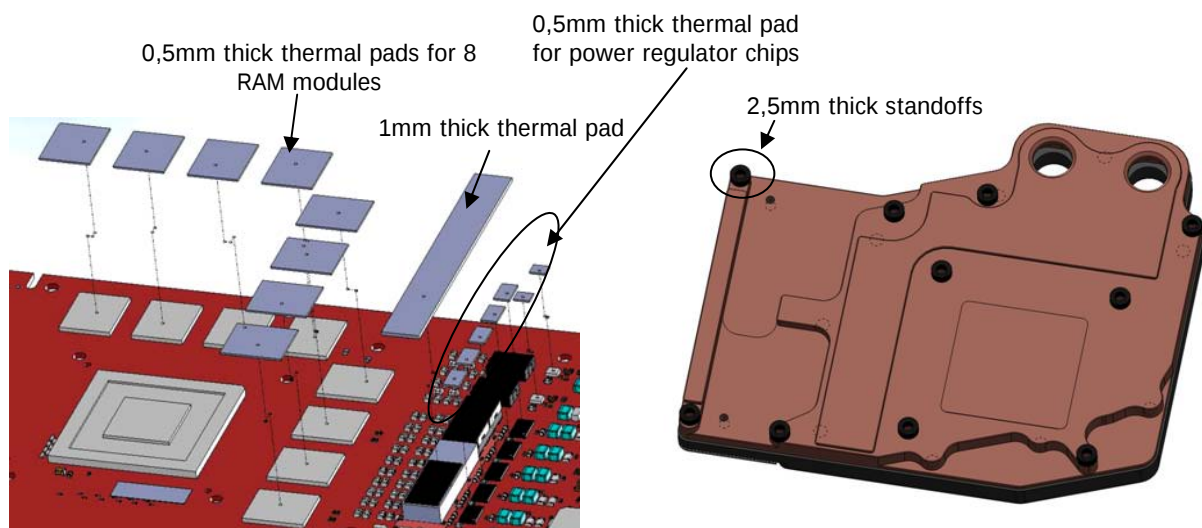
Picture 2: Radeon 4890 PCB

Step 1. Remove the graphic card from computer.

Step 2. Remove original heat sink and remove remains of original thermal compound. So the graphic card remains clean.

Step 3. Apply thermal compound: lightly coat the GPU with for example Céramique™ thermal compound. Follow this link http://www.arcticsilver.com/ceramique_instructions.htm for detailed instructions. EK Water Blocks recommends non-conductive Arctic Sylver Céramique™. (picture 3)

Step 4. Apply small amount of thermal grease around mounting holes and place standoffs so that holes are concentric. Thermal grease provides enough adhesive force for standoffs to stay in a place. (picture 4)



Picture 3: Radeon 4890 series graphic card. Cut thermal pads on size that fits RAM modules and VRM. Place them as shown on picture. Thermal pads are adhesive, so no extra glue is needed.

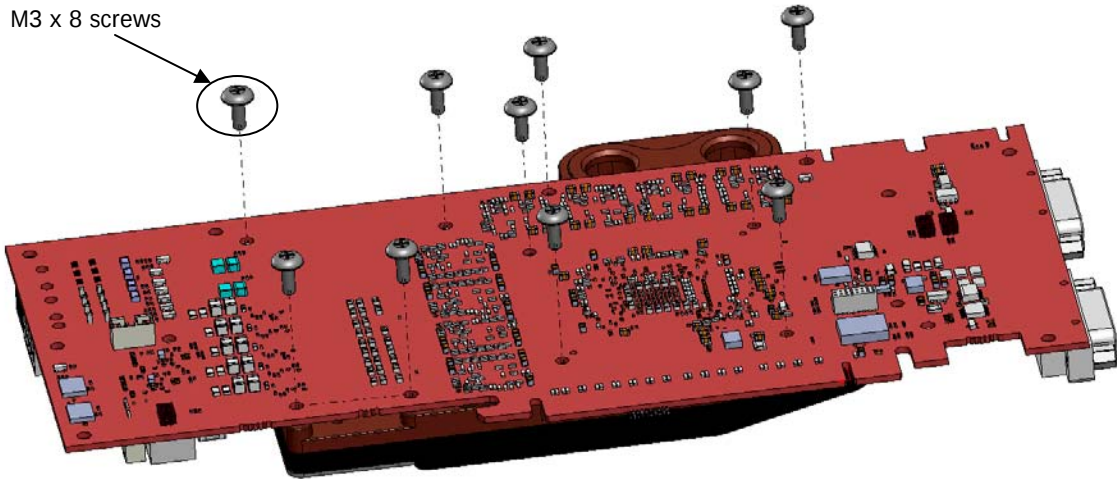
Picture 4: Place enclosed standoffs as shown on picture.

Step 5.

Place the graphic card on the inverted water block and attach it with enclosed screws as shown in picture 5. For perfect thermal contact, the block does not use a spring mounting system; therefore when attaching be very careful to tighten all screws equally. If the screws are tightened too much, the graphic card board will distort and may be damaged.

To prevent warping of card please use enclosed standoffs and apply them as shown on picture 4 above (prior to aligning standoffs with mounting holes, please apply some thermal grease around the thread to prevent standoffs falling off).

Use enclosed screws like shown on picture below:



Picture 5: Mounting installation

Step 6. Remove the block and check for contact surface. Then repeat steps 3 and 4. And apply more or less pressure on area where you have found it necessary.

Step 7. Connecting the water-block(s) to the cooling circuit and attaching the tubes:

The EK-FC 4890 series are usually sold with enclosed high flow fittings. To secure the tubes stays properly on the fittings please use hose clamps or appropriate substitute. The use of an algacide is nonetheless recommended in any liquid cooling system.

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 water pressure. This will rupture the top of the housing and render the block unusable (and will void your warranty).

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. **This warranty is voided if the product comes in contact with aggressive UV additives.**