

MCX462-V™ Heatsink AMD® Installation Guide

Packing list

Parts	Qty	Parts	Qty
Heat Sink	1	80mm fan straight brackets	4
Spring assembly – pre-installed	4	Snap-rivets (for fan installation)	4
92mm fan angled brackets– pre-installed	4	Thermal grease – Céramique	1

I. Heat sink Installation

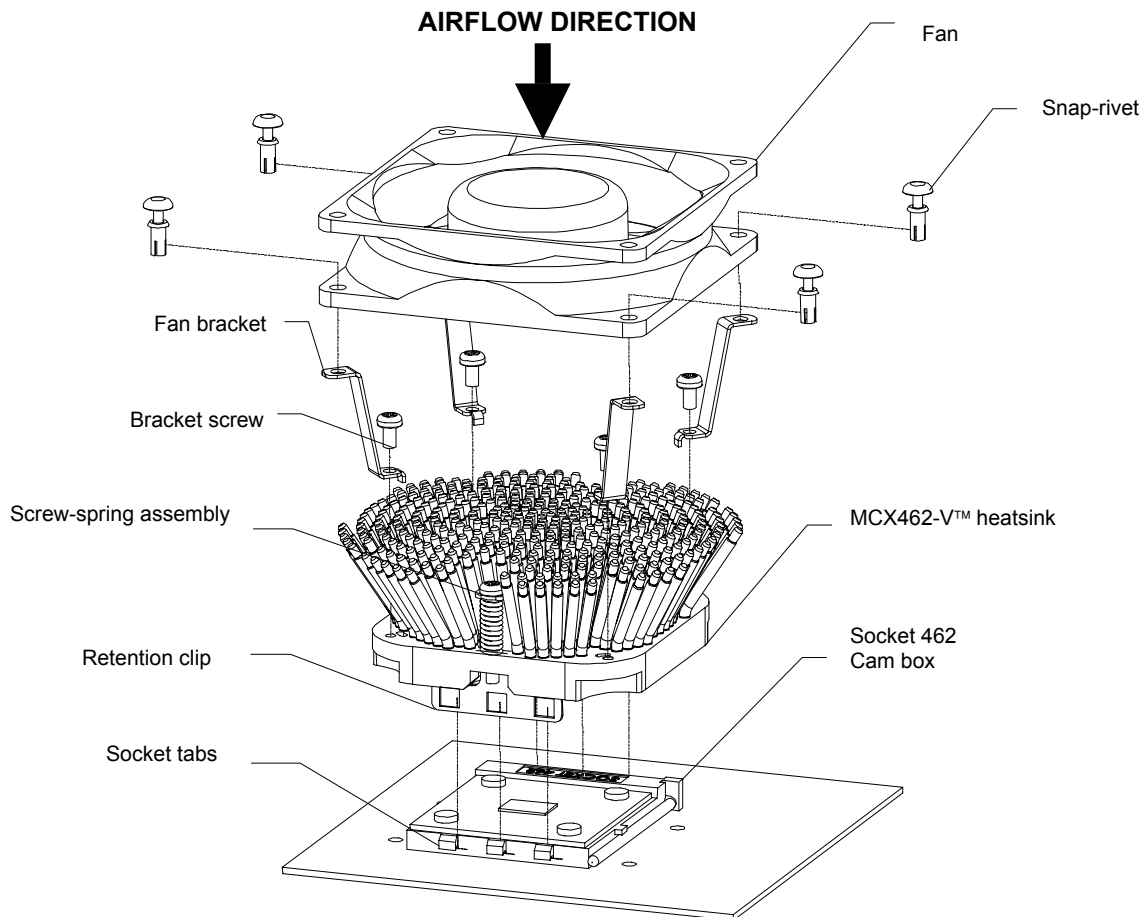
1. **The case should** be laying flat on a table.
2. Lightly coat the CPU with the provided Céramique™ thermal compound. Detailed instructions can be found at http://www.arcticsilver.com/ceramique_instructions.htm
3. The heatsink ships with 92mm fan brackets pre-installed. You will need to remove them, and install the included 80mm brackets if you plan on using a 80mm fan. Use a thin screwdriver to remove and install the brackets, so as to not damage the surrounding pins.



Screw head clears the top of the bracket



4. **Place the MCX462-V™** heatsink over the CPU as shown in the schematic below. The large step side **MUST** be located over the socket cam box. A label affixed to the base of the heatsink clearly identifies which side this is.
 - The retention clips should snap over each side, and hook onto the socket tabs. Make sure that the clips are properly aligned to fit snugly underneath the tabs.
 - Gradually loosen (**counterclockwise**) each screw-spring assembly to release the spring tension, checking that the clips remain engaged underneath the tabs.
 - Continue backing off until **the head of the screw completely clears the top of the bracket as shown in the picture to the right** ----->
 - **Double-check** to ensure that the clips have remained underneath the tabs.
 - **Installation to the CPU is now complete**



5. **Fan installation:**
80mm and 92mm fans: use the provided snap-rivets as shown in the page 1 schematic.
5. **Recommended fans**
Please consult our web site at <http://www.swiftnets.com/products/MCX462-V.asp> for an updated list of recommended fans.

III. Final inspection

Now that the heat sink is installed, startup your computer, go into the BIOS and observe the CPU temperature. CPU temperature is completely dependant on ambient temperature inside the case, type of fan used, and processor frequency. At the lowest air flow level, the MCX462-V heatsink should never exceed AMD's specifications, as defined in the link below:
http://www.amd.com/us-en/assets/content_type/white_papers_and_tech_docs/23794.pdf.

In all cases, and irrespective of any of the factors listed above, processor temperature should never exceed 65°C as you monitor the temperature in the Bios. If it does, shut down the computer immediately, and review your entire installation. Troubleshooting help is available on our web site at www.swiftnets.com, or by calling customer support at 562-595-8009.

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