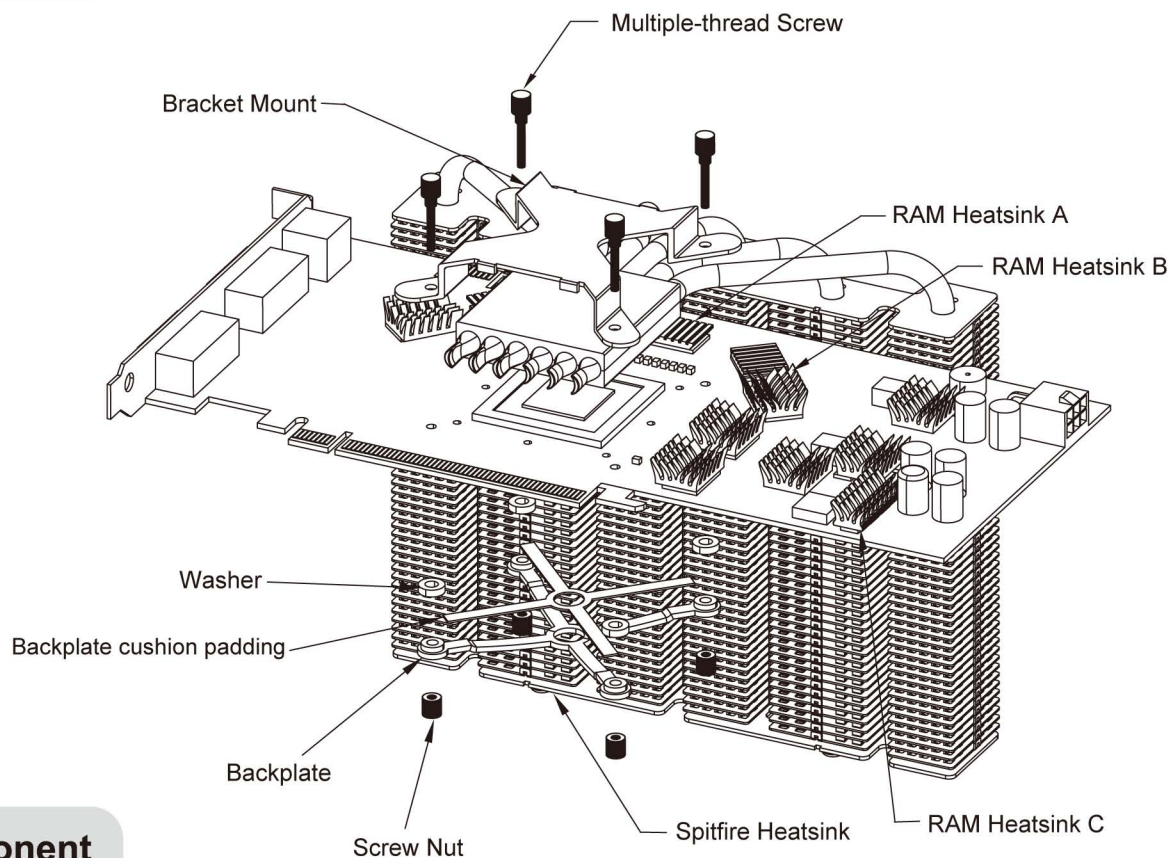


Exploded View

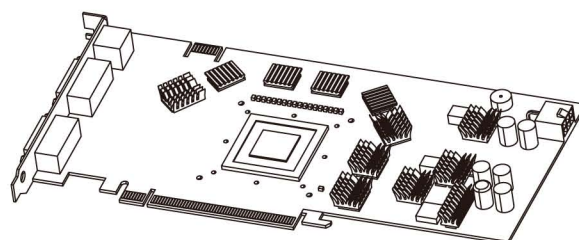
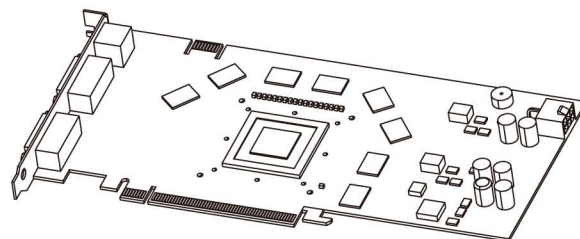
Important! Before proceeding with installation, please check for the most up-to-date instructions at www.thermalright.com



Component

Parts Name	Piece(s)	Parts Name	Piece(s)
1 Spitfire Heatsink	1	2 Bracket Mount	1
3 Backplate	1	4 Backplate cushion padding	1
5 RAM Heatsink A	6	6 RAM Heatsink B	12
7 RAM Heatsink C	6	8 Screw Nut	4
9 Multiple-thread Screw	4	10 12cm Fan Wire Clip	2
11 14cm Fan Wire Clip	2	12 Thumb Screw	5
13 Copper Pillar	3	14 Adapter Bar	1
15 Washer	4	16 Metal rod	2
17 Support Bars	2	18 Chill Factor Thermal Paste	1

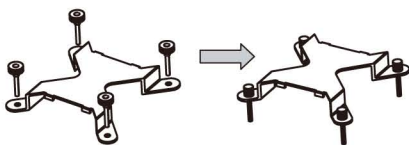
Installation



After removing stock cooler and RAM heatsinks, clean the surface of GPU and chipsets thoroughly. Then install the RAM heatsinks A/B/C accordingly. Apply thermal paste to GPU. For more reference please see above illustration.

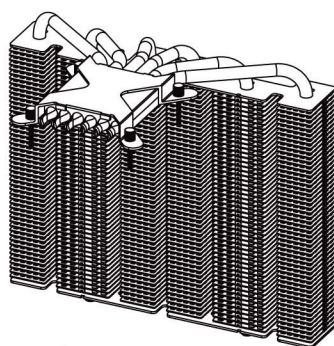
Installation

TYPE 1



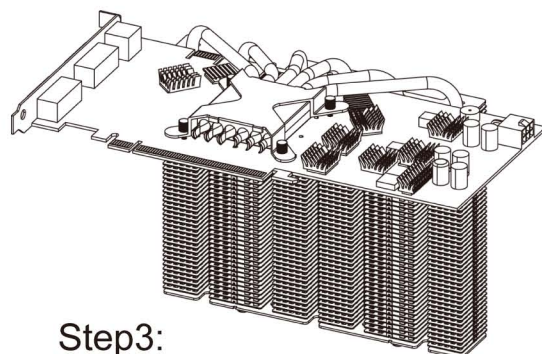
Step1:

First, insert the multiple-thread screws through the holes on the bracket mount.



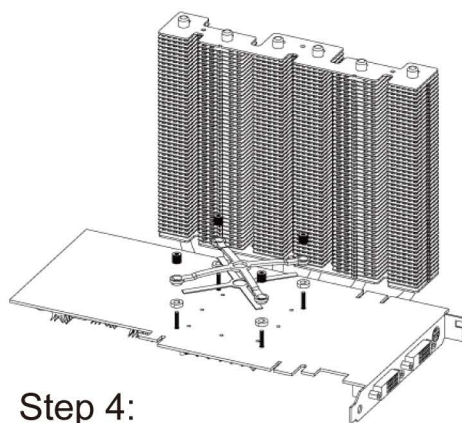
Step 2:

Place the bracket mount on top of the heatsink base.



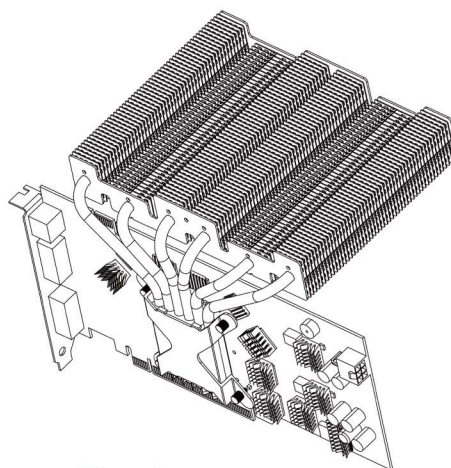
Step3:

Align the screws to the mounting holes and insert through. This will have the heatsink seated on top of GPU.



Step 4:

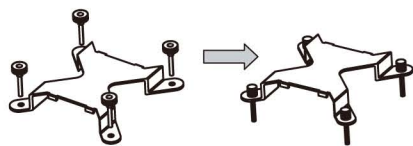
Underneath the VGA card, insert the washers through the screws. Then apply the backplate with the cushion padding affixed to prevent short circuit. Finally, in a crisscross pattern, secure the heatsink in place by tightening the nuts on the screws.



Step5:

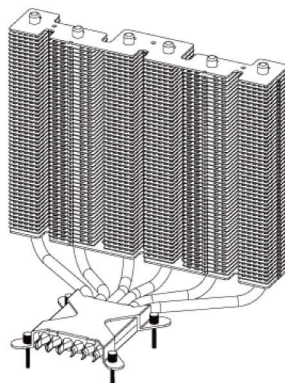
Installation completed.

TYPE 2



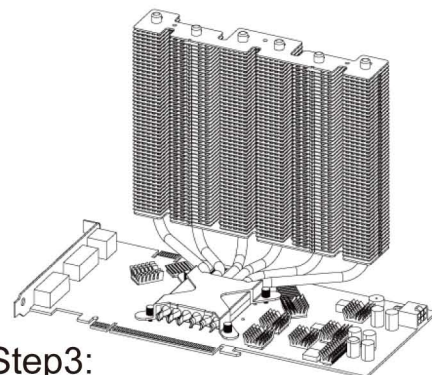
Step1:

First, insert the multiple-thread screws through the holes on the bracket mount.



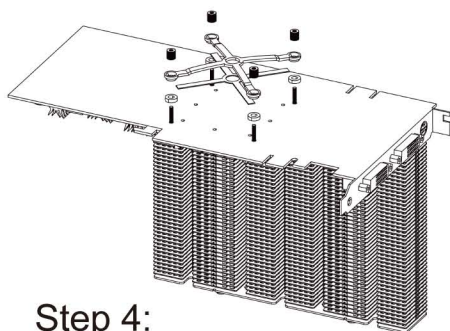
Step 2:

Place the bracket mount on top of the heatsink base.



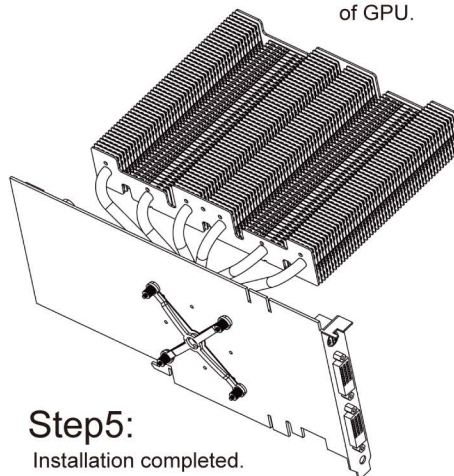
Step3:

Align the screws to the mounting holes and insert through. This will have the heatsink seated on top of GPU.



Step 4:

Underneath the VGA card, insert the washers through the screws. Then apply the backplate with the cushion padding affixed to prevent short circuit. Finally, in a crisscross pattern, secure the heatsink in place by tightening the nuts on the screws.

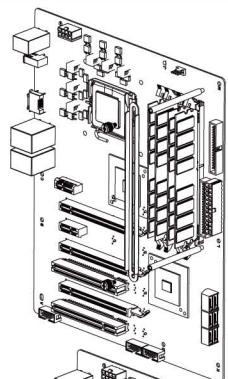


Step5:

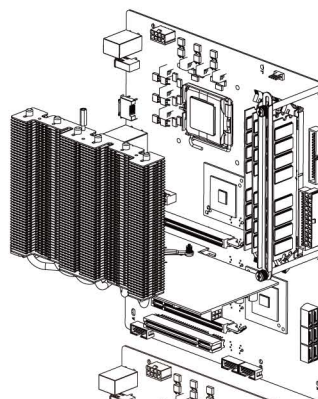
Installation completed.

Installation of Support Bars

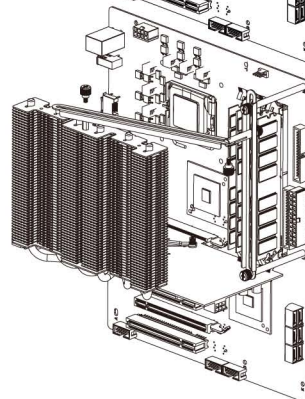
After the installation of Spitfire you have the option to install the support bars. This will strengthen the support for your Spitfire heatsink giving you that peace of mind.



Step 1: Remove the screws from the motherboard. For which screws to remove please refer to the illustration. Once removed, replace with the metal rod and then insert the support bars. Use thumb screws to secure in place.



Step 2: Install one of the metal rods on the heatsink. Plug in the video card with the Spitfire installed.

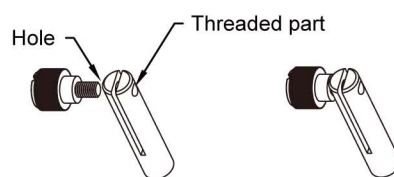


Step 4: Make final adjustment on the support bars to the heatsink.

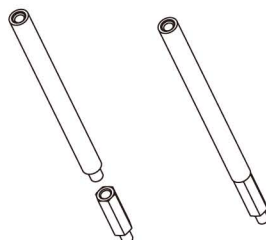
Step 3: Adjust the support bar to align with the metal rod you have just installed on the heatsink and install the adapter bar. Then use thumb screws to secure in place.

Step 5: Installation completed.

***Things to keep in mind when installing the support bars.**



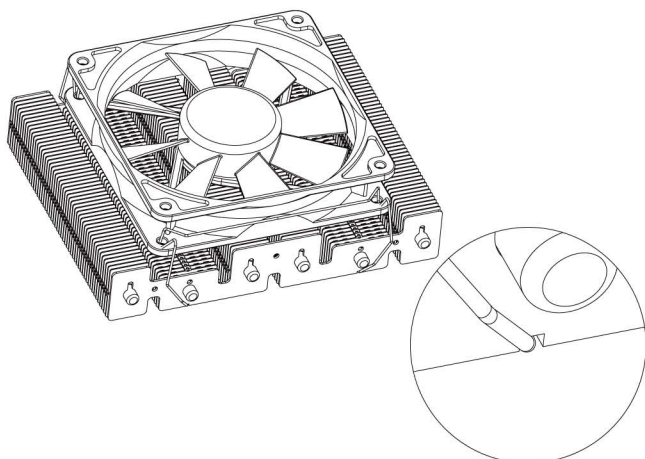
The thumb screw must first go through the hole and then to the threaded part in order to be secured firmly in place.



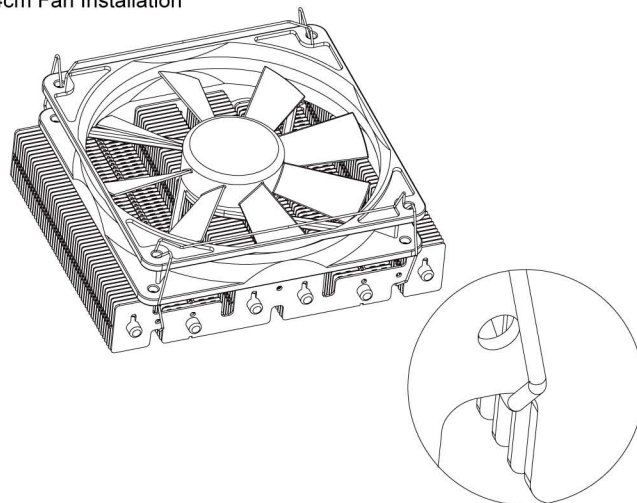
If metal rod cannot be secured firmly in place, add another copper pillar on the other end (with thread) to solve the problem.

Fan Installation

12cm Fan Installation

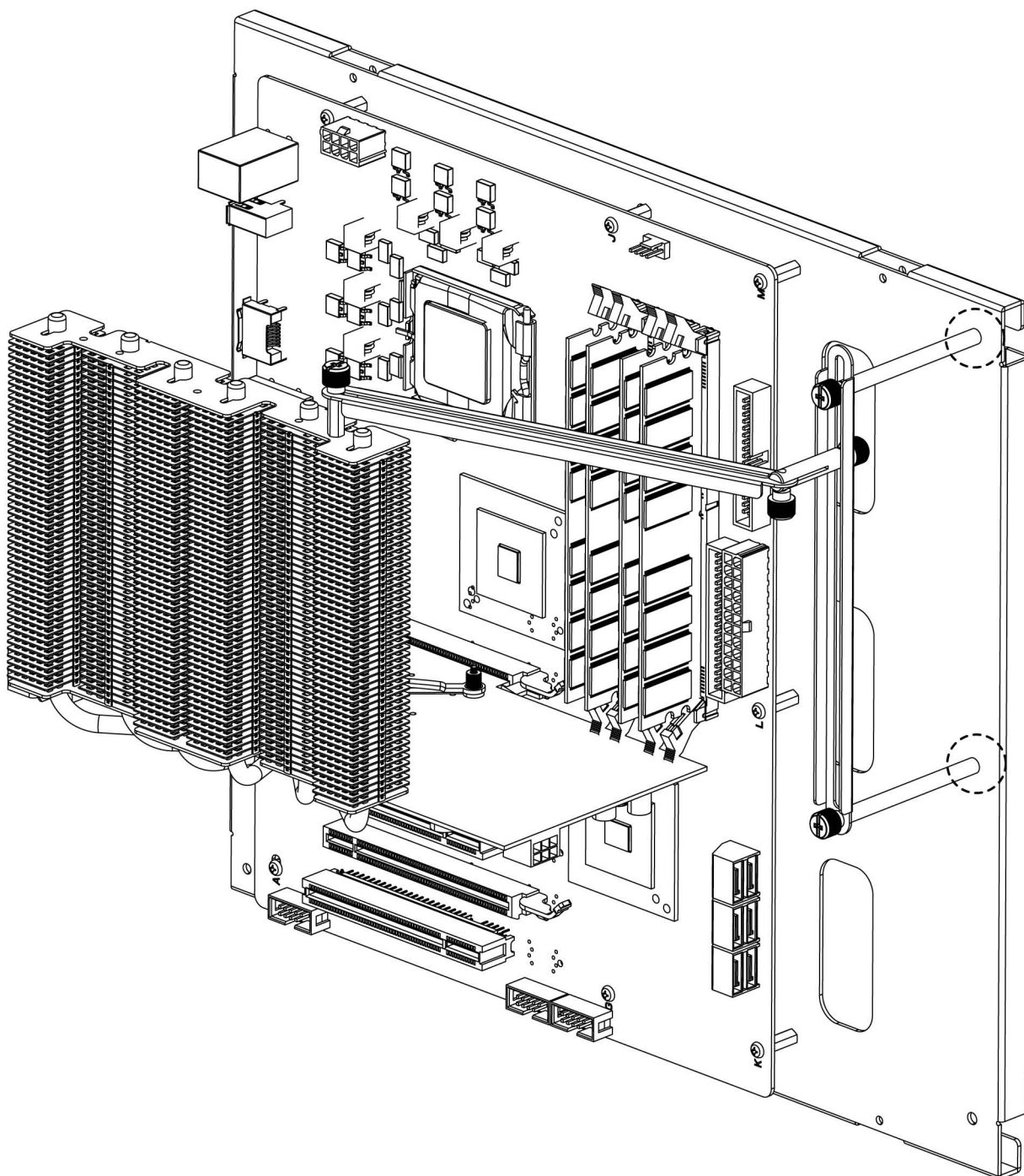


14cm Fan Installation



Alternative Installation Methods:

During Installation, if the supporting rod for the SPC is blocked by any of the components on the motherboard, or limited by the size of the motherboard, we suggest you to have the Metal-rod installed on the E-ATX mounting holes (Circled area), and complete your installation, please read the the picture below for your reference.

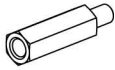


Spitfire

Assembly package



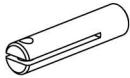
X 4



X 3



X 4



x 1

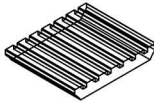


X 4



X 5

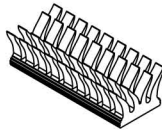
2



X 6

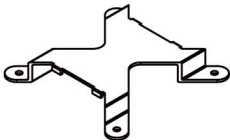


X 12

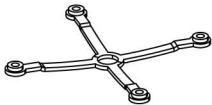


X 6

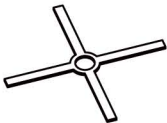
4



x 1



x 1



x 1

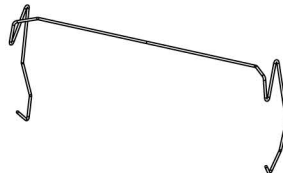


x 1

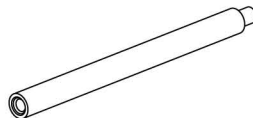
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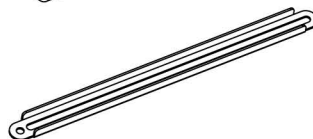
X 2



X 2



X 2



X 2

8