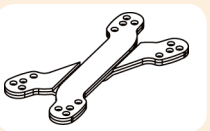
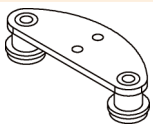
NH-U12F-Xeon | Installation Manual

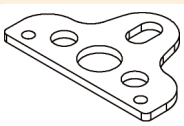
Noctua Xeon Mounting-Kit Installation Manual

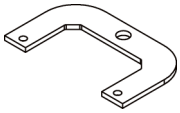
Thank you very much for choosing Noctua coolers for your Intel Xeon platform. This manual will guide you through the installation process step by step.

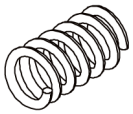
Box contents:

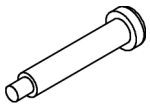

1x Xeon Backplate

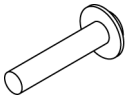

2x mounting bars

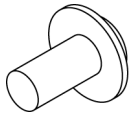

2x standard fastening brackets


2x 90° fastening brackets


2x pressure springs


2x stepped spring screws

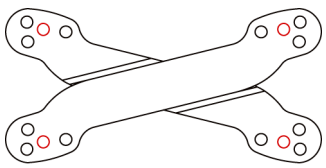

4x black screws for mounting bars


4x short silver screws for fastening brackets

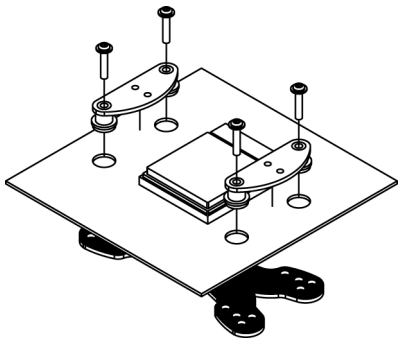
Step 1:

Attaching the backplate

Place the backplate on the back side of the mainboard and align the mainboard's screwholes with those of the backplate highlighted in the illustration below:

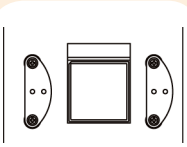


Now screw the mounting bars to the backplate using the black screws:



Caution: The protection-foam has to face the mainboard!

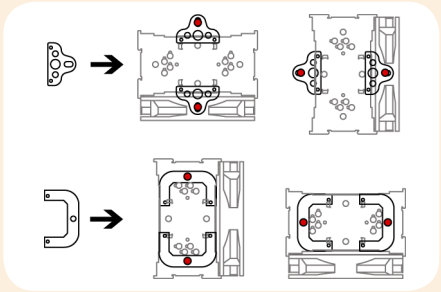
Caution: If you experience clearance issues, you can turn one of the mounting bars so that the bulging points towards the socket, but at least one of the two mounting bars has to face the socket with its straight side and have the bulging pointing outwards!

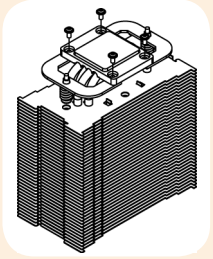


Step 2:

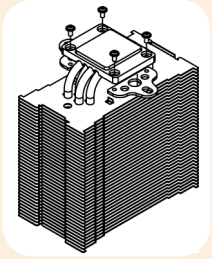
Attaching the fastening brackets to the heatsink

Choose the fastening brackets according to the desired orientation of the cooler:





When using the 90° fastening brackets, first stick the spring screws and springs into the fastening brackets. Then screw them to the copper base of the heatsink tightly using 4 short screws.



When using the standard fastening brackets, tightly screw them to the copper base of the heatsink using 4 short screws.

Step 3:

Applying thermal paste

If there are traces of thermal paste or thermal pads on your CPU, please clean them off first. Spread a thin coating of thermal paste on the CPU.

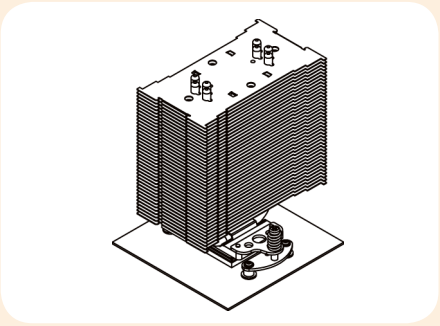
Caution: Applying too much thermal paste will lower the heat conductivity and cooling performance!

Step 4:

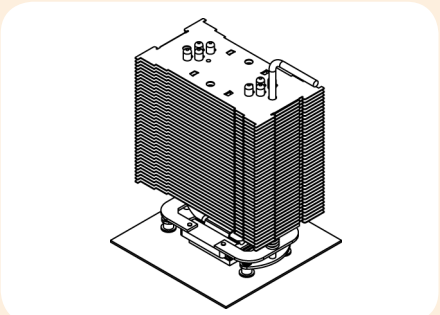
Attaching the heatsink to the CPU

Place the heatsink on the CPU, so that the mounting holes of the fastening brackets screwed to the base of the cooler align with those of the mounting bars.

Now screw the fastening brackets to the mounting bars employing the pressure springs and the respective screws.



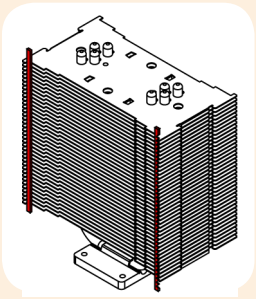
When employing the 90° fastening brackets, please use the supplied mounting-tool to tighten the springscrews.



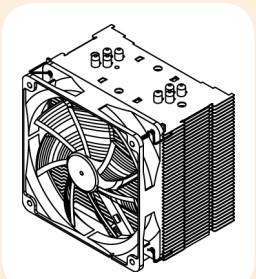
Caution: Tighten the screws until they stop.

Step 5:

Attaching the fan



First stick the 2 anti-vibration strips onto the cooling fins in order to dampen minor vibrations emitted by the fan.



Then attach the fan to the heatsink using the 2 steel clips, placing it so that it blows onto the heatsink (You can optionally use the second pair of clips to install a second fan).

Connect the fan to the mainboard, power supply or fan controller. Depending on your CPU and the temperature inside the case, you may interconnect the supplied Ultra-Low-Noise Adapter (U.L.N.A.) in order to further reduce the fan's operating noise.

Caution: When using the U.L.N.A., check the temperature of your CPU using appropriate software (e.g. the respective applications of your mainboard manufacturer), in order to evade automatic throttling of the CPU due to the increased temperature. If the cooling performance is insufficient, please increase case ventilation or remove the U.L.N.A.