

Noctua LGA775 Mounting-Kit Installation Manual

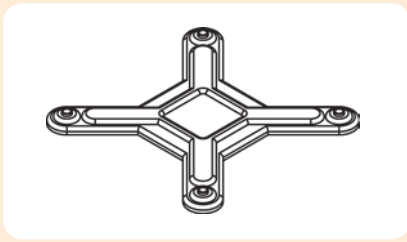
Thank you very much for choosing a Noctua cooler. This manual will guide you through the installation process step by step.

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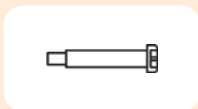
Required mounting parts (from the LGA775-bag):



1x LGA backplate

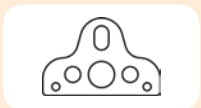


2x short mounting bars



2x short silver springscrews

Required mounting parts (from the common parts bag):



2x standard fastening brackets



2x red, thin washers



8x short screws



2x pressure springs

Step 1:

Removing the mainboard

In case you want to use the NH-U12P on an assembled system, you first have to remove the mainboard from the case as the cooler has to be screwed together with the backplate on the back side of the mainboard.

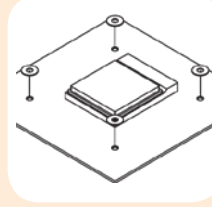
Step 2:

Attaching the backplate

Place the backplate on the back side of the mainboard, aligning

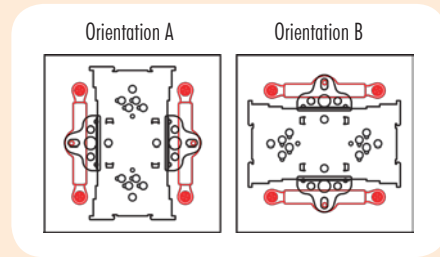
the backplate's screw sockets with the mainboard's screw-holes.

Caution: The rubber foam square of the LGA backplate has to face the mainboard. *Don't* remove the white protection film!

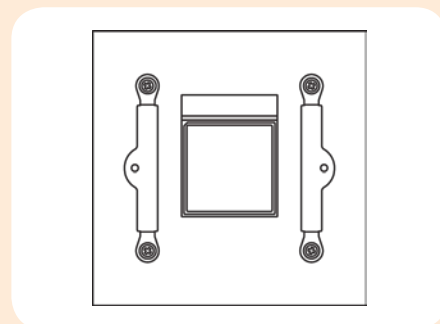


Caution: Don't forget to put 4 washers between the mainboard and the mounting bars to avoid damage to the mainboard.

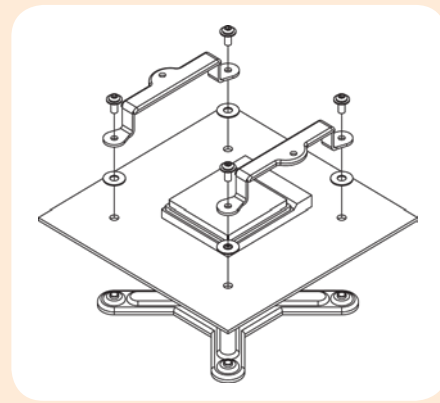
Choose the alignment of the mounting bars according to the desired final orientation of the cooler:



Caution: Make sure that the straight sides of the mounting bars face the socket and the bulgings are pointing outwards.



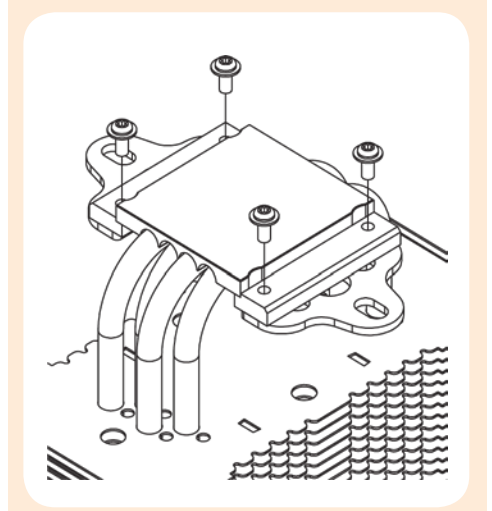
Now screw the mounting bars to the backplate using small screws and washers.



Step 3:

Attaching the fastening brackets to the heatsink

Tightly screw the fastening brackets to the base of the heatsink using 4 short screws.

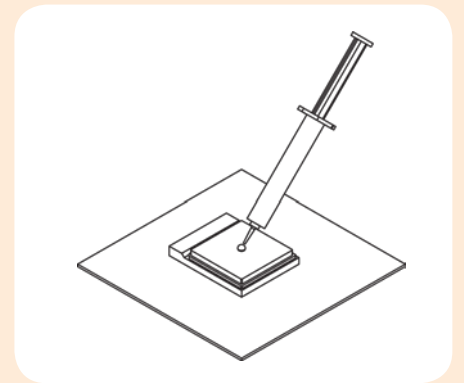


Step 4:

Applying thermal paste

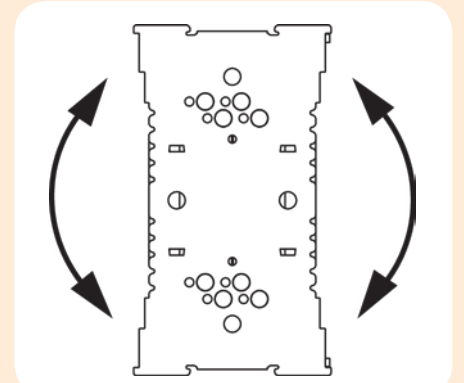
If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first.

Press a small drop (4-5mm diameter) of NT-H1 onto the centre of the heat-spreader.



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

Caution: Peel off the protection film at the bottom side of the heatsink first!

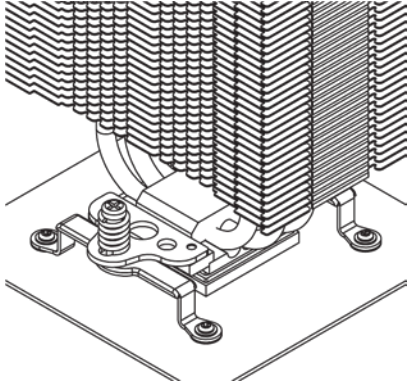


Put the heatsink onto the CPU and turn it back and forth a few times in order to spread the paste.



Step 5:
Attaching the heatsink to the CPU

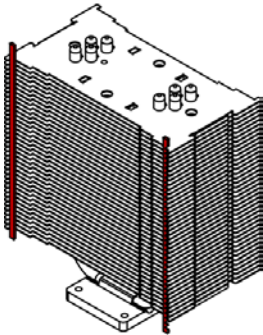
Align the mounting holes of the fastening brackets with those of the mounting bars. Now screw the fastening brackets to the mounting bars employing the pressure springs and the respective screws



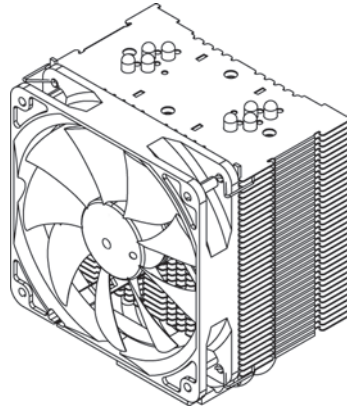
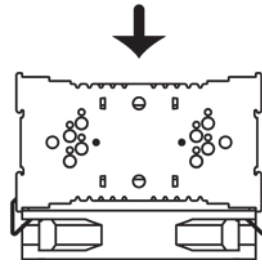
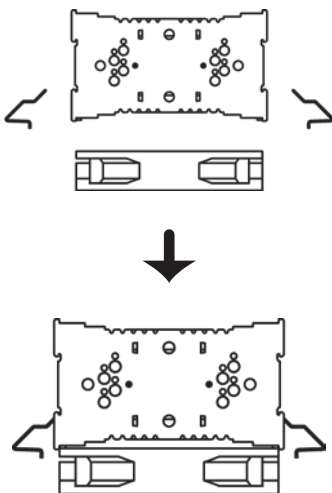
Caution: Tighten the screws until they stop.

Step 6:
Attaching the fan

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

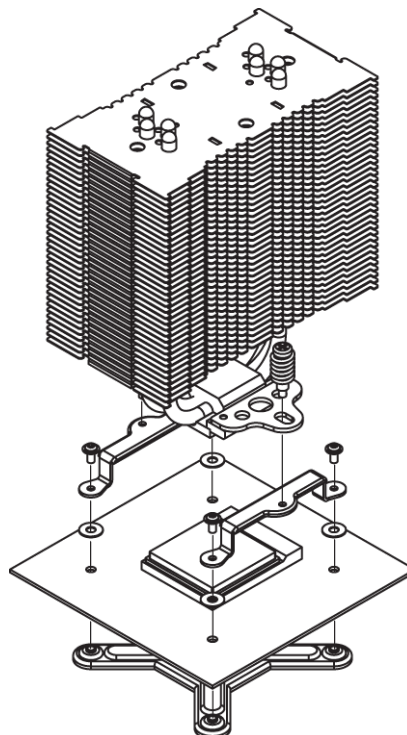


Then attach the fan to the heatsink using the 2 steel clips, placing it so that it blows onto the heatsink (You can optionally use the second pair of clips to install a second fan).



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.



Warranty

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Please also note that any modifications to the cooler, fan or mounting parts will void your warranty.

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Noctua AM2(+) Mounting-Kit Installation Manual

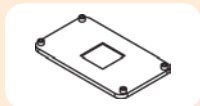
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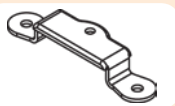
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Required mounting parts (from the AM2(+)-bag):



1x AM2(+) backplate



2x short mounting bars



4x short screws with higher thread pitch



2x mid-sized silver springscrews

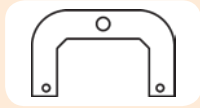


4x white, thin washers



4x red, thick washers

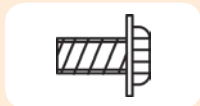
Required mounting parts (from the common parts bag):



2x 90° fastening brackets



2x standard fastening brackets



4x short silver screws for fastening brackets



2x pressure springs

Step 1:

Removing the mainboard and retention module

In case you want to use the NH-U12P on an assembled system, you first have to remove the mainboard from the case as the cooler has to be screwed together with the backplate on the back side of the mainboard.

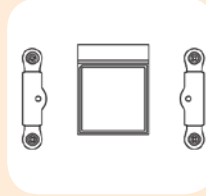
If your mainboard uses a retention module for CPU cooler installation, you have to remove it first. Should you experience any difficulties, please consult your mainboard's manual. If your previous CPU cooler is attached using a different mounting mechanism, please remove it according to its manual.

Step 2:

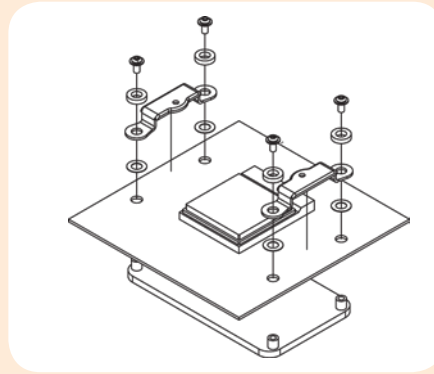
Attaching the backplate

Place the backplate on the back side of the mainboard, aligning the backplate's screw sockets with the mainboard's screwholes.

Caution: Make sure that the bulgings of the mounting bars are pointing towards the socket.



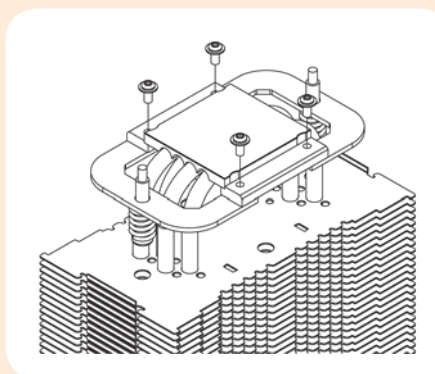
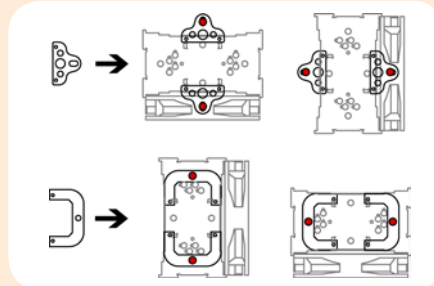
Put the 4 white, thin washers under the mounting bars and the 4 red, thick washers onto the mounting bars. Now screw the mounting bars to the backplate using the small screws with higher thread-pitch (from the AM2(+)-bag).



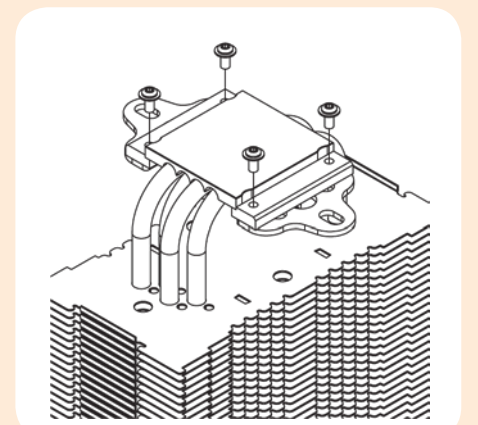
Step 3:

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.



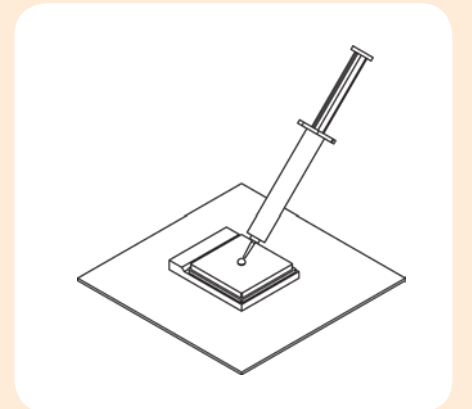
When using the standard fastening brackets, tightly screw them to the copper base of the heatsink using 4 short screws.

Step 4:

Applying thermal paste

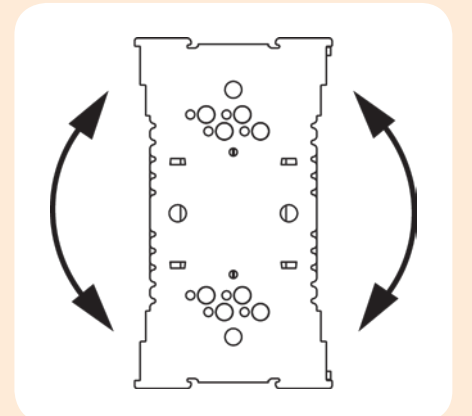
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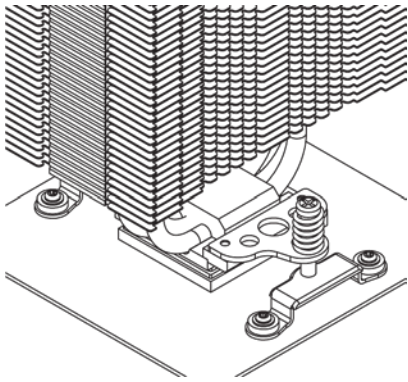


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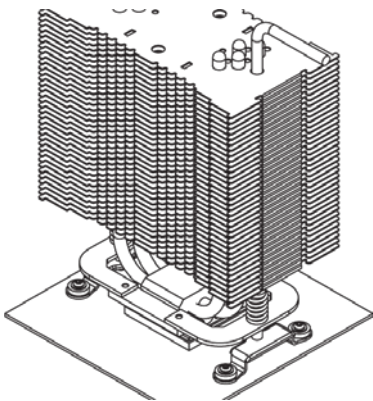
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Attaching the heatsink to the CPU

Align the mounting holes of the fastening brackets with those of the mounting bars.

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



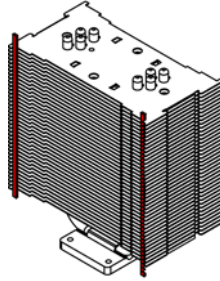
When employing the 90° fastening brackets, please use the supplied mounting-tool to tighten the springscrews.



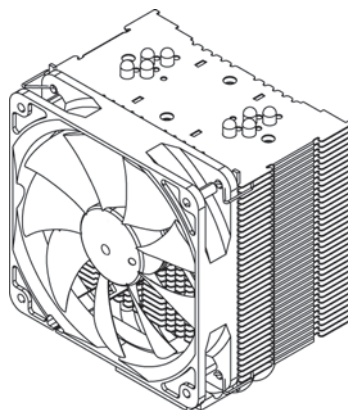
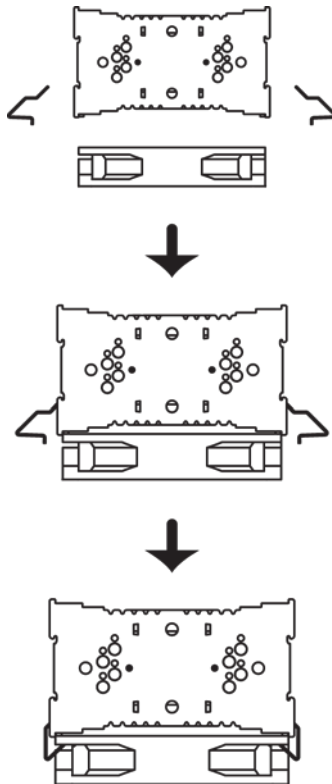
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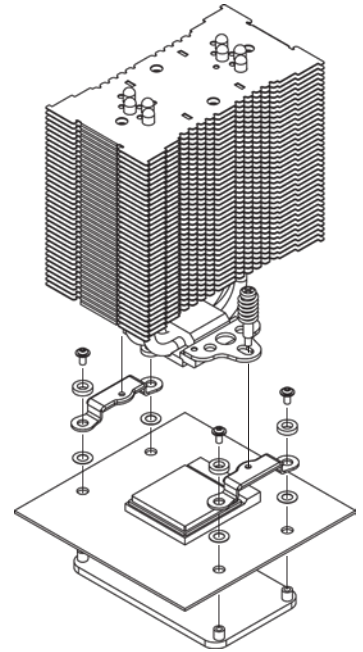


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