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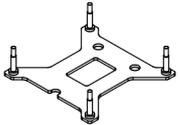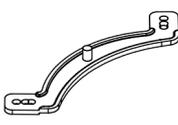
Yours sincerely,

Roland Mossig, Noctua CEO

This manual will guide you through the installation process of the SecuFirm2™ mounting system step by step. Prior to installing the cooler, please consult the compatibility list on our website (www.noctua.at/compatibility) and verify that the cooler is fully compatible with your motherboard. Should you encounter any difficulties, please check the FAQs on our website (www.noctua.at/faqs) and don't hesitate to contact our support team at support@noctua.at. Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

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Required mounting parts:

1x NM-IBP2 Backplate

2x NM-IMB2 Mounting Bars

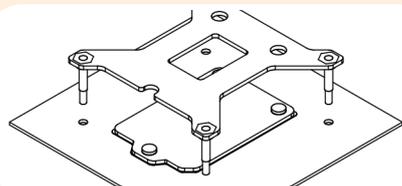4x NM-IPS1 Spacers

4x NM-ITS1 Thumbscrews

Step 1
Removing the mainboard

In case you want to use the cooler on an assembled system and your case doesn't have a cut-out at the rear side of the mainboard tray, you first have to remove the mainboard from the case in order to be able to install the supplied backplate.
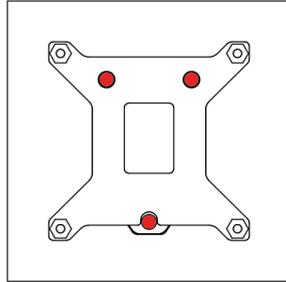
Step 2
Attaching the backplate

Caution: The supplied backplate will install over the mainboard's stock backplate, so the mainboard's stock backplate must not be taken off.

Place the backplate on the rear side of the mainboard so that the bolts stick through the mounting holes.
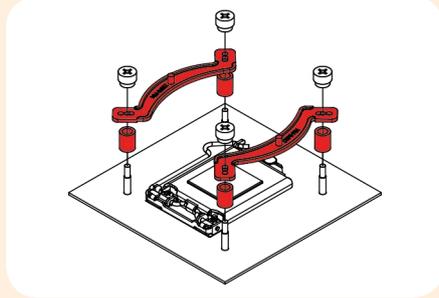
Caution: Please make sure that the three cut-outs in the supplied backplate align with the screws of the mainboard's stock backplate.
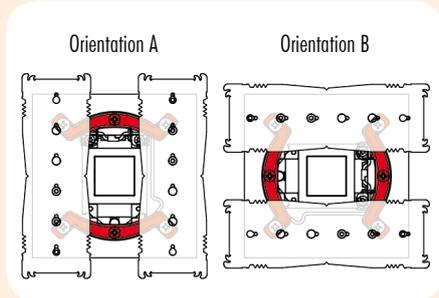

Step 3
Installing the mounting bars

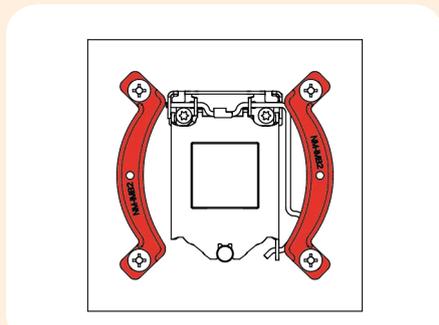First put the plastic spacers onto the bolts of the backplate, then add the mounting bars.
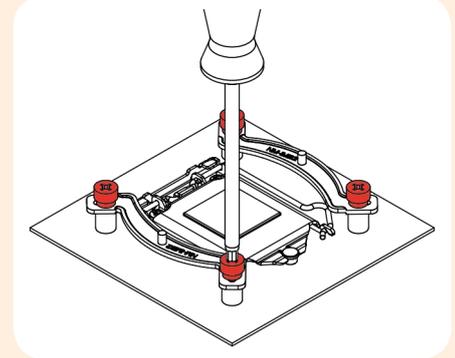

Caution:

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

Orientation A   Orientation B

Caution: Make sure that the curved sides of the mounting bars are pointing outwards.
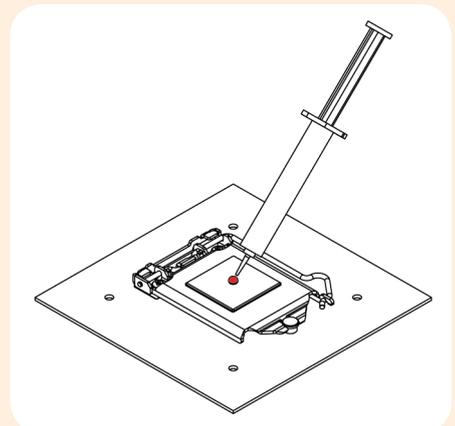

Fix the mounting bars using the 4 thumb screws.

Caution: Gently tighten the screws until they stop, but don't use excessive force.

Step 4
Applying thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first. Then press a small drop (4-5mm diameter) of NT-H1 onto the centre of the heatspreader.
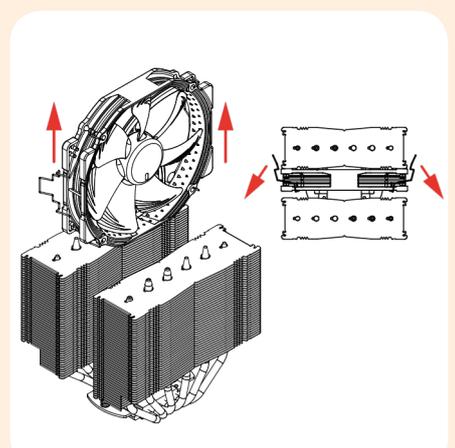

Caution: Applying too much thermal paste will lower heat conductivity and cooling performance!
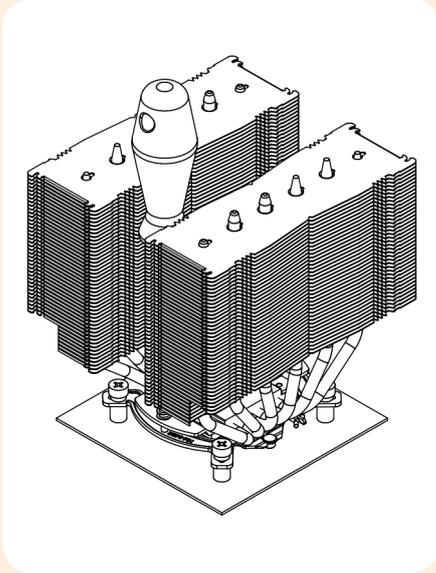
Step 5
Fastening the heatsink to the CPU

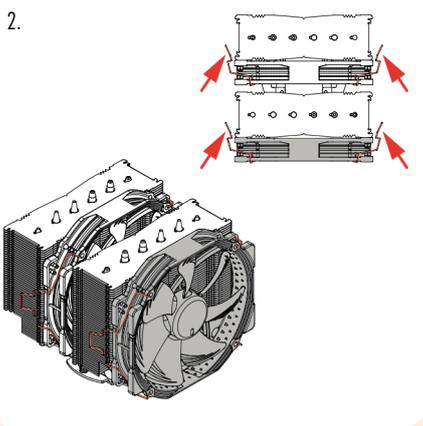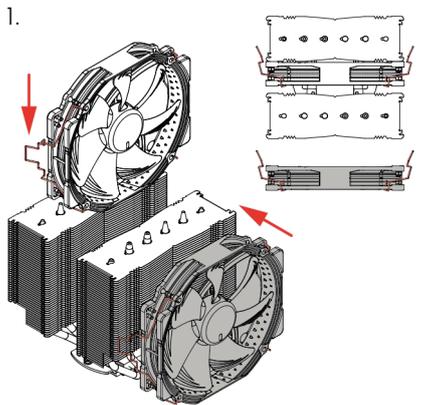Caution: Please first take off the center fan as well as the protection cover at the bottom side of the heatsink.

Then put the heatsink onto the CPU and screw it to the screw threads of the mounting bars.
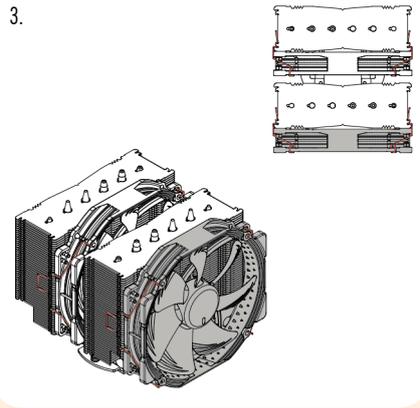
Caution: Tighten the screws until they stop.

Step 6
Fan Setup

Reattach the centre fan and, optionally, install the second fan (in grey) using the supplied steel clips:
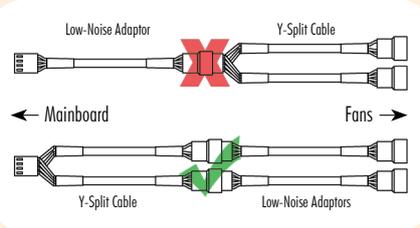
1.

2.

3.

Use the heatsink with the centre fan only in order to guarantee best compatibility with tall RAM modules. Add the second fan to the front fin-stack for further improved cooling performance.

Connect the fan(s) to the mainboard's CPU fan header(s). If necessary, use the supplied NA-YC1 y-split cable to connect both fans to one fan header.

Depending on your CPU and the temperature inside the case, you may interconnect the supplied NA-RC7 Low-Noise Adaptors (L.N.A.) in order to further reduce the fans' operating noise.

Caution: Never use one adaptor for both fans by putting it before the y-split cable.

Low-Noise Adaptor   Y-Split Cable

← Mainboard   Fans →

Y-Split Cable   Low-Noise Adaptors

Caution: When using the L.N.A.s, 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 L.N.A.s.

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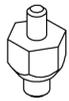
Enjoy your NH-D15!

Yours sincerely,
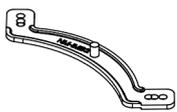
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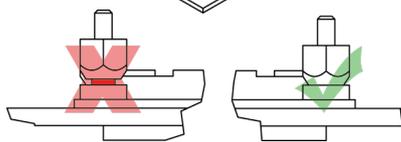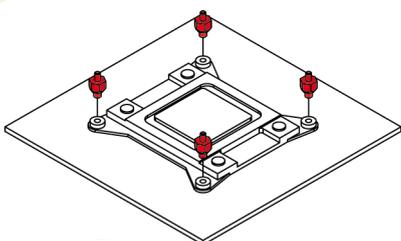**Required mounting parts:**

NM-IBT2 Bolts
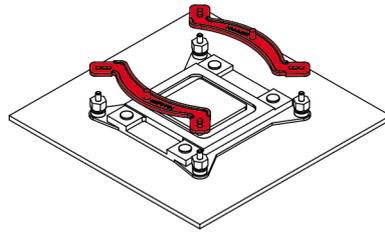
NM-IMB2 Mounting Bars

4x NM-ITS1 Thumbscrews

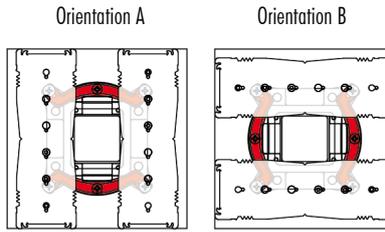## Installing the mounting bars

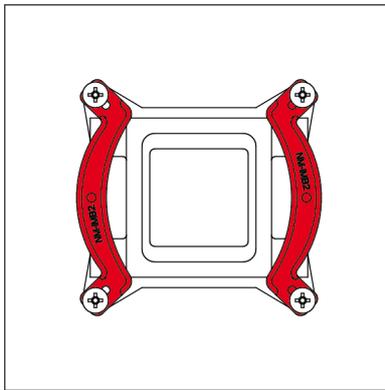First screw the NM-IBT2 bolts into the screw threads of the LGA2011 socket frame.

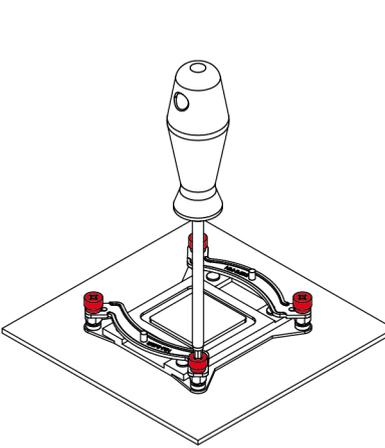Then put the NM-IMB2 mounting-bars onto the bolts.

<u>Caution:</u> Choose the alignment of the mounting bars according to the desired final orientation of the cooler:

Orientation A   Orientation B

<u>Caution:</u> Make sure that the curved sides of the mounting bars are pointing outwards.

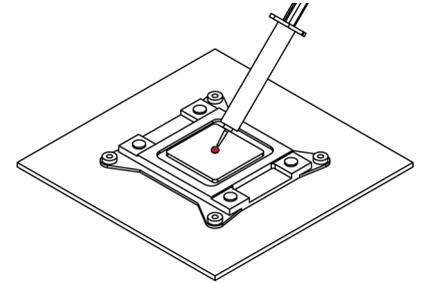Fix the mounting bars using the 4 thumb screws.

<u>Caution:</u> Gently tighten the screws until they stop, but don't use excessive force.

Applying thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first. Then press a small drop (4-5mm diameter) of NT-H1 onto the centre of the heatspreader.
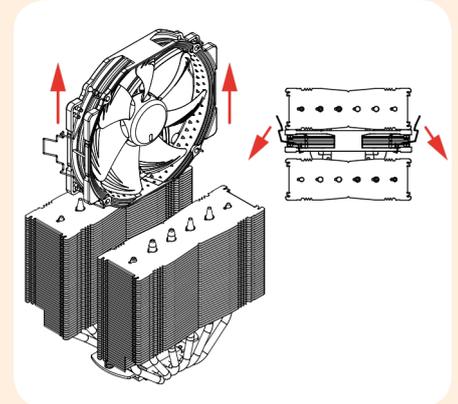
<u>Caution:</u> Applying too much thermal paste will lower the heat conductivity and cooling performance!
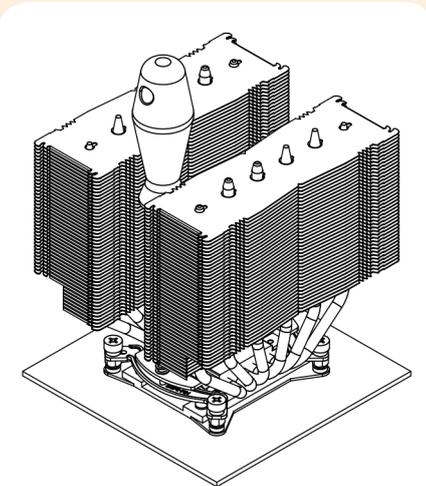

Fastening the heatsink to the CPU

<u>Caution:</u> Please first take off the center fan as well as the protection cover at the bottom side of the heatsink.

Then put the heatsink onto the CPU and screw it to the screw threads of the mounting bars.
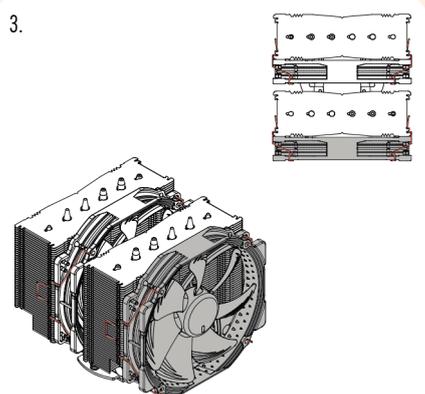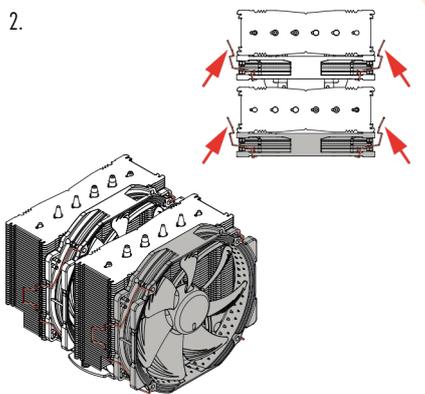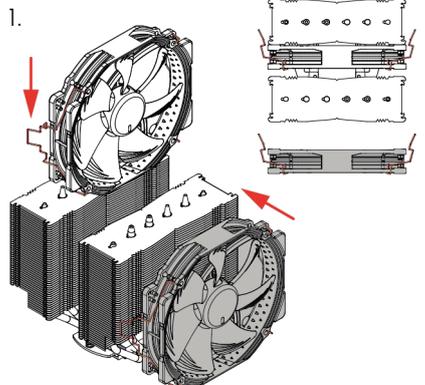
<u>Caution:</u> Tighten the screws until they stop.

LGA2011

Noctua NH-D15 | Installation Manual | LGA2011

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Step 4
Fan Setup

Reattach the centre fan and, optionally, install the second fan (in grey) using the supplied steel clips:
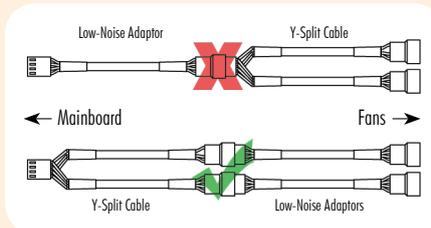
1.

2.

3.

Use the heatsink with the centre fan only in order to guarantee best compatibility with tall RAM modules. Add the second fan to the front fin-stack for further improved cooling performance.

Connect the fan(s) to the mainboard's CPU fan header(s). If necessary, use the supplied NA-YC1 y-split cable to connect both fans to one fan header.

Depending on your CPU and the temperature inside the case, you may interconnect the supplied NA-RC7 Low-Noise Adaptors (L.N.A.) in order to further reduce the fans' operating noise.

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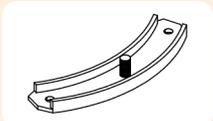
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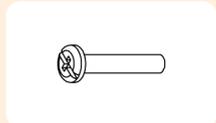
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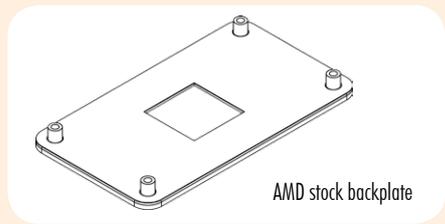
Required mounting parts:

2x NM-AMB1 Mounting Bars

4x NM-ALS1 Screws

4x NM-APS1 Plastic Spacers

Caution: The SecuFirm2™ mounting system requires a backplate, which is preinstalled on most AMD mainboards. If your mainboard doesn't have a backplate, please contact our support team at support@noctua.at.
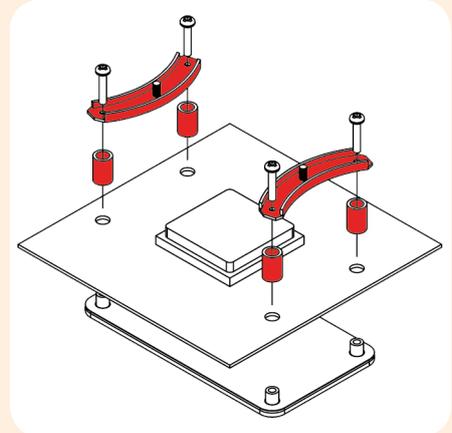
AMD stock backplate

Step 1
Removing the retention module

If your mainboard uses a retention module for CPU cooler installation, please remove it first. The SecuFirm2™ mounting system will install directly to your mainboard's stock backplate on the rear side of the socket.
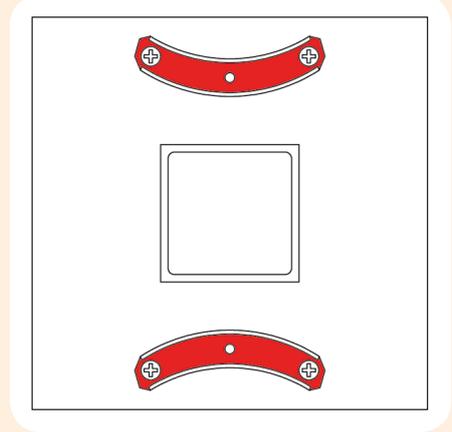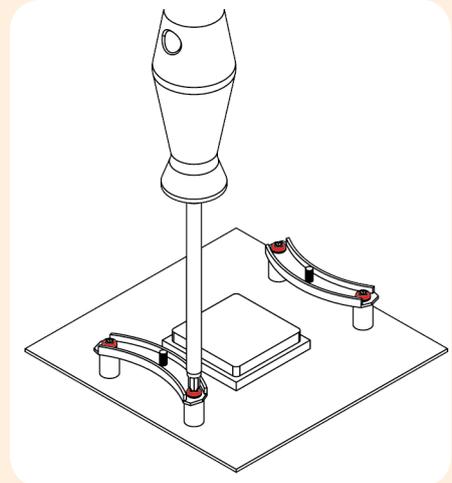
Step 2
Attaching the mounting bars

First put the plastic spacers onto the screw threads, then fix the mounting bars using the 4 long screws.

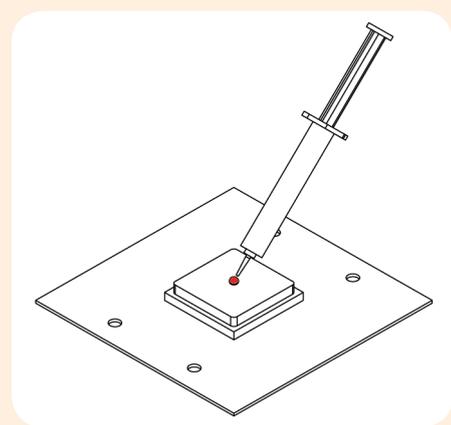Caution: Make sure that the curved sides of the mounting bars are pointing inwards.

Caution: Tighten the screws until they stop.

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Applying thermal paste

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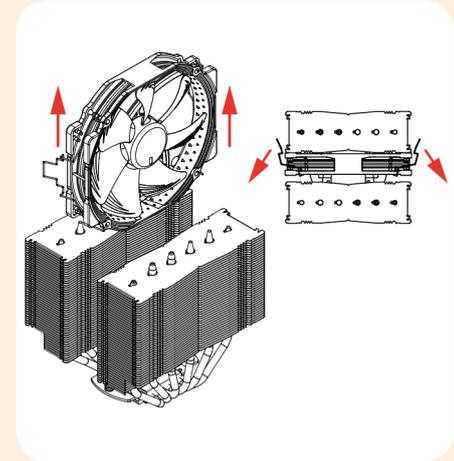
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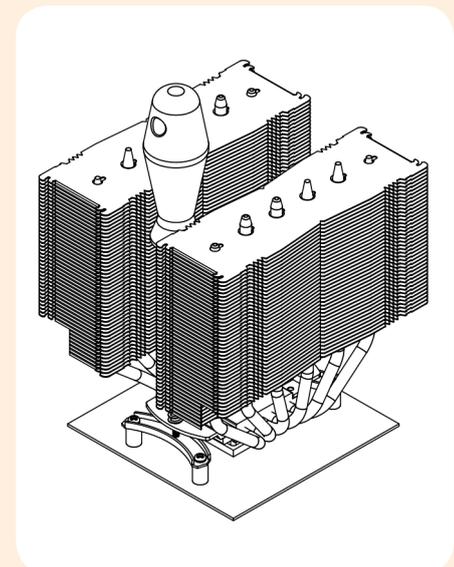
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Fastening the heatsink to the CPU

Caution: Please first take off the center fan as well as the protection cover at the bottom side of the heatsink.

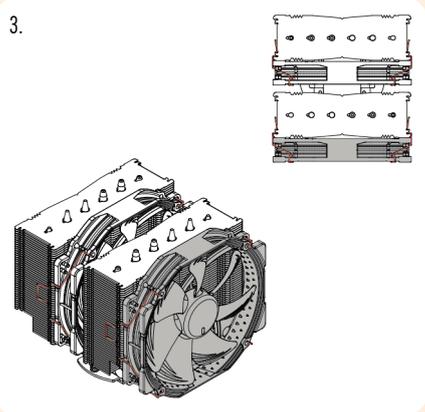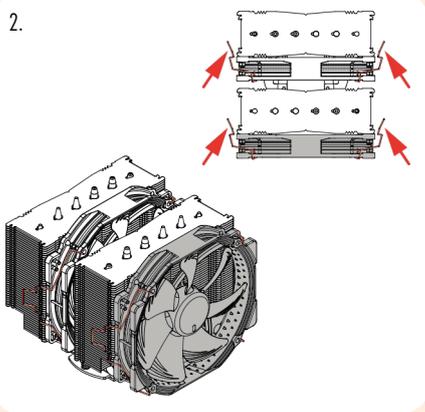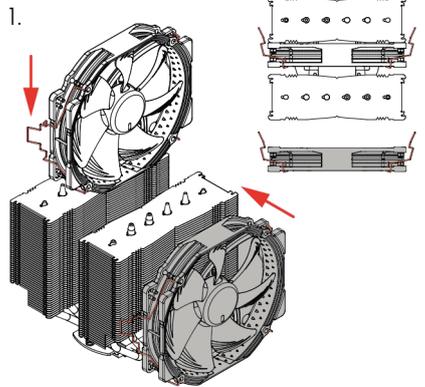Then put the heatsink onto the CPU and screw it to the screw threads of the mounting bars.

Caution: Tighten the screws until they stop.

Step 5
Fan Setup

Reattach the centre fan and, optionally, install the second fan (in grey) using the supplied steel clips:
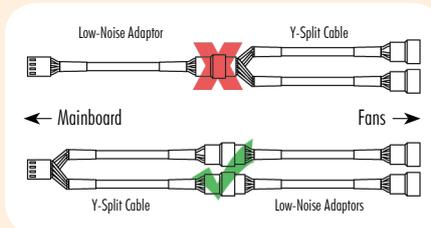
1.

2.

3.

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Low-Noise Adaptor   Y-Split Cable

← Mainboard   Fans →

Y-Split Cable   Low-Noise Adaptors

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