noctua
DESIGNED IN AUSTRIA

Dear customer,

Thank you very much for choosing a Noctua cooler for your Intel LGA1200/LGA115x system. We always like to think of our coolers as safe long-term investments: Not only are they built to last, but we also provide upgrade kits so that you can keep using your trusty Noctua heatsink whenever you do a system upgrade.

Enjoy your Noctua cooler on LGA1200/LGA115x!

Yours sincerely,

Roland Mossig, Noctua CEO

This manual will guide you through the installation process step by step using an NH-U12P heatsink as an example. Please note that the installation procedure is identical for all models.

Prior to installing the cooler, please consult the compatibility centre on our website (ncc.noctua.at) and verify that the cooler is fully compatible with your motherboard.

Please also make sure that your PC case offers sufficient clearance for the cooler and that there are no compatibility issues with any other components (e.g. tall RAM modules).
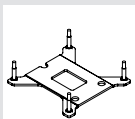
Double check that the heatsink and fan clips do not make contact with the VGA card, other PCIe cards, motherboard heatsinks or any other components.

Noctua cannot be held responsible for any damage or losses caused by compatibility issues.
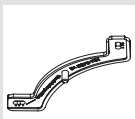
Should you encounter any difficulties, please check the FAQs on our website (www.noctua.at/faqs) and don't hesitate to contact our support team at support@noctua.at.

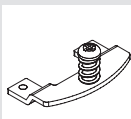Multilingual versions of this manual are available on our website: www.noctua.at/manuals

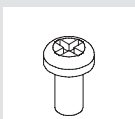### Required mounting parts:

1x NM-IBP2
LGA115x backplate

2x NM-IMB2
mounting-Bars

2x NM-SFB2
fastening brackets

4x NM-IPS1
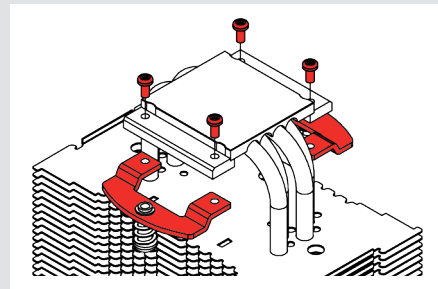black plastic spacers

4x NM-SSC1
short screws

4x NM-ITS1
thumb screws

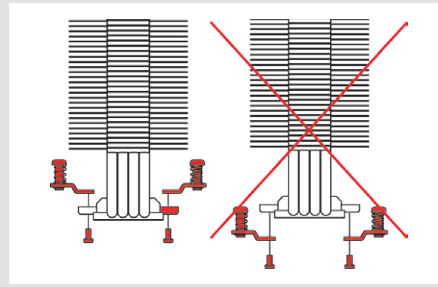## 1 Fixing the fastening-brackets to the cooler

Caution: The following cooler models already use the NM-SFB2 or compatible fastening brackets, so if you use one of these models, please skip this step and directly proceed to the next one: NH-D14 SE2011, NH-D15 SE-AM4 and NH-L9x65 SE-AM4. If you use the NH-U12S SE-AM4 you can also skip this step, but in this case, you need to use the NM-IMB3 mounting bars supplied with the cooler rather than the NM-IMB2 bars supplied with this kit in step 2.

First take off the original fastening-brackets from the cooler by unscrewing the four short screws.

Then fix the new NM-SFB2 fastening brackets to the cooler (you can either use the original screws or the supplied NM-SSC1 screws). Tighten the screws until they stop, but do not use excessive force (max. torque 0.5 Nm).
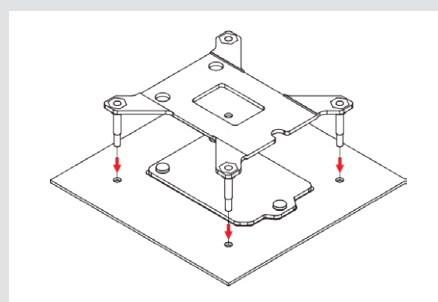
Caution: Make sure to install the fastening brackets in the correct position.

2 Removing the motherboard

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 motherboard tray, you first have to remove the motherboard from the case in order to be able to install the supplied backplate.
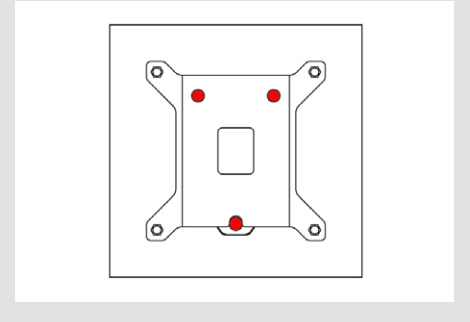
3 Attaching the backplate

Caution: The supplied backplate will install over the motherboard's stock backplate, so the motherboard's stock backplate must not be taken off.
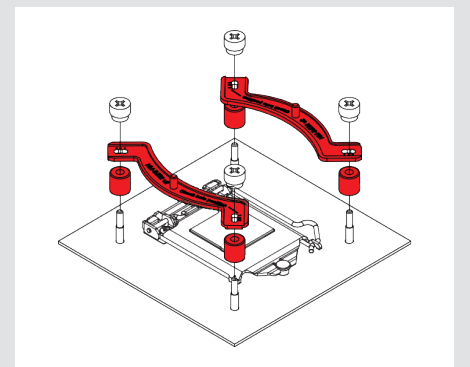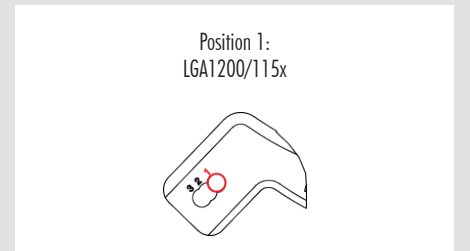
Place the NM-IBP2 backplate on the rear side of the motherboard so that the bolts stick through the mounting holes.

Caution: Please make sure that the three cut-outs in the supplied backplate align with the screws of the motherboard's stock backplate.
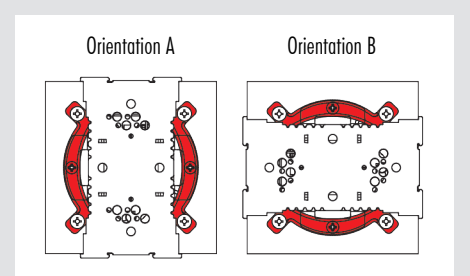

4 Installing the mounting bars

First put the NM-IPS1 plastic spacers onto the bolts of the backplate, then add the NM-IMB2 mounting bars. Use hole position 1 on the mounting bars.
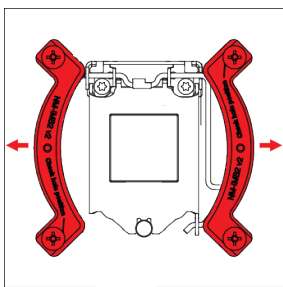
Position 1:
LGA1200/115x

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

Orientation A   Orientation B

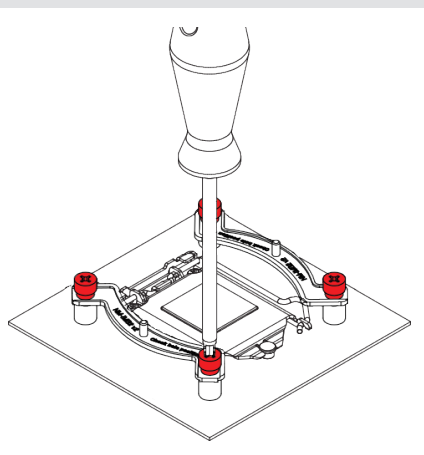Scan this code to display multilingual manuals on your phone.

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

Fix the mounting bars using the four NM-ITS1 thumb screws.

Caution: Gently tighten the screws until they stop, but do not use excessive force (max. torque 0.6 Nm).

5 Applying the 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 with 3-4mm diameter of NT-H1 onto the centre of the heatspreader.
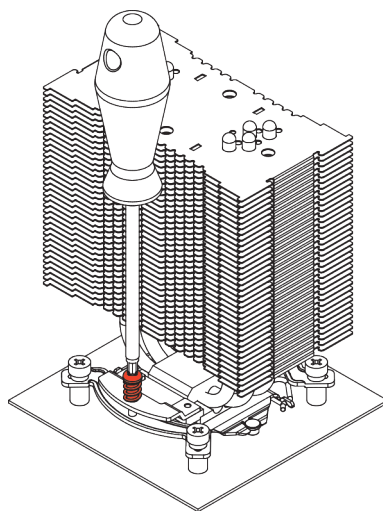

Caution: Applying too much thermal paste will lower heat conductivity and cooling performance!

6 Fastening the heatsink to the CPU

Caution: If you're using the cooler for the first time, please take off the protection cover at the bottom side of the heatsink first!

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

Caution: Gently tighten the screws until they stop, but do not use excessive force (max. torque 0.6 Nm).

7 Installing the fan

Install the fan as described in the cooler manual. If you don't have it at hand, you can download it at www.noctua.at/manuals.

! Transporting your system

As it is not possible to reliably calculate or control the forces that act upon a system during transport (e.g. in shipping), we generally recommend, for safety reasons, taking off coolers with a total weight of more than 700g (incl. fan).

If the weight of the heatsink without fan is below 700g and the total weight including fan is above 700g, we recommend taking off the fan from the heatsink in order to reduce the weight below 700g.

Noctua cannot be held responsible for any damage that may arise due to excessive stress during transport if you keep the heatsink installed.

! Warranty, support and FAQs

Even with high-grade products and strict quality control, the possibility of defects cannot be eliminated entirely. Therefore, we aim at providing the highest possible level of reliability and convenience by offering a warranty period of 6 years and direct, fast and straightforward RMA service.

Should you encounter any problems with your Noctua product, please don't hesitate to contact our support team at support@noctua.at.

Please also consult the FAQ section on our website: www.noctua.at/faqs