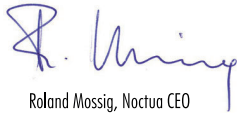Dear customer,

Congratulations on choosing a Noctua cooler for your Intel LGA20xx system. We always like to think of our coolers as safe long-term investments: Not only are they built to last, we also provide upgrade kits so that you can keep using your trusty Noctua heatsink when you do a system upgrade. Enjoy your Noctua cooler on LGA20xx!

Yours sincerely,

Roland Mossig, Noctua CEO

This SecuFirm2™ Mounting-Kit for LGA20xx (LGA2011-0, LGA2011-3, LGA2066) is compatible with most Noctua retail CPU coolers since 2005 (NH-C12P, NH-C12P SE14, NH-C14, NH-C14S, NH-D14, NH-D14 SE2011, NH-D15, NH-D15 SE-AM4, NH-D15S, NH-D9L, NH-L12, NH-L9x65, NH-L9x65 SE-AM4, NH-U12, NH-U12F, NH-U12P, NH-U12P SE1366, NH-U12P SE2, NH-U12S, NH-U12S SE-AM4, NH-U14S, NH-U9, NH-U9B, NH-U9B SE2, NH-U9F). For detailed, up to date compatibility information please visit: www.noctua.at/socket_compatibility
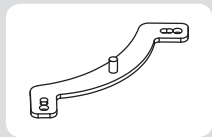
Prior to installing the cooler, please consult the compatibility list on our website (www.noctua.at/compatibility) and verify that the cooler is fully compatible with your motherboard. Please also make sure that your PC case offers sufficient clearance for the cooler and that there are no compatibility 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 or other PCIe cards. Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

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.
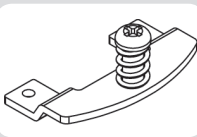
Should you encounter any difficulties, please check the FAQs on our website (www.noctua.at/faqs) and don't hesitate to contact our support team at support@noctua.at.

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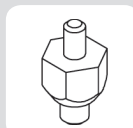
Required mounting parts:

2x NM-IMB2 mounting-bars

2x NM-SFB2 fastening brackets

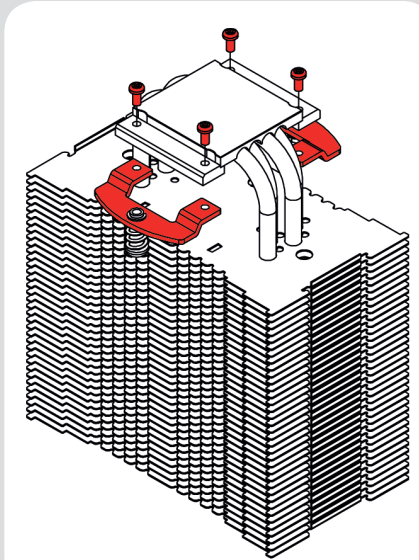4x NM-IBT2 bolts

4x NM-SSC1 short screws

4x NM-ITS1 thumbscrews

Step 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-C14S, NH-D14 SE2011, NH-D15, NH-D15 SE-AM4, NH-D15S, NH-D9L, NH-L12, NH-L9x65, NH-L9x65 SE-AM4.
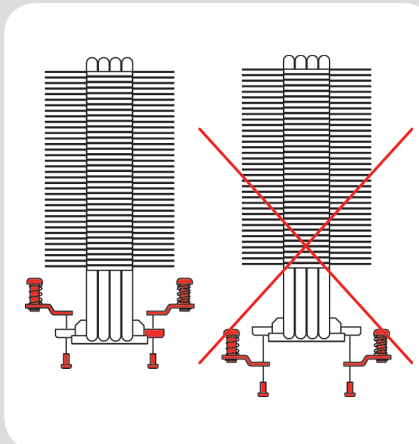
If you use the NH-U12S, NH-U12S SE-AM4, NH-U14S or NH-U9S, you can also skip this step, but in this case, you need to use the NM-IMB3 mounting bars supplied with the cooler rather than the NM-IMB2 bars supplied with this kit in step 2.

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 don't use excessive force (max. torque 0.5 Nm).
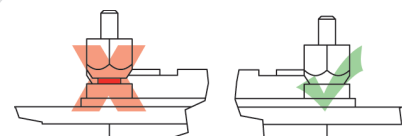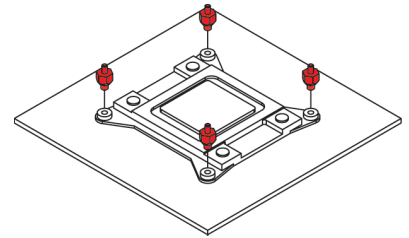
Caution: Make sure to install the fastening brackets in the correct position.
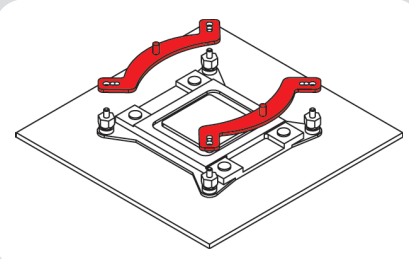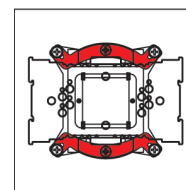
Step 2:
Installing the mounting-bars

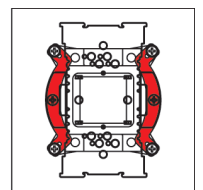First screw the NM-IBT2 bolts into the screw threads of the LGA20xx socket frame.

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

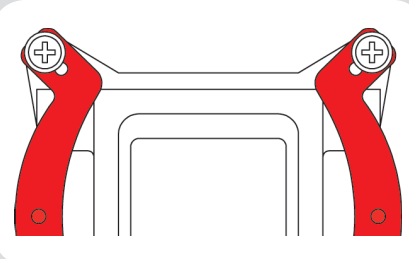Caution: Choose the alignment of the mounting bars according to the desired final orientation of the cooler:

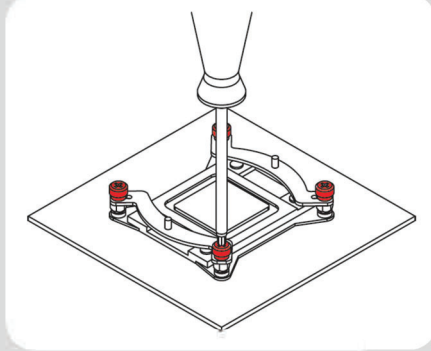Orientation A   Orientation B

Caution: Make sure that the curved sides of the mounting bars are pointing outwards.
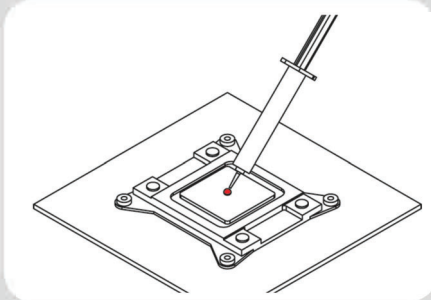
Fix the mounting bars using the NM-ITS1 thumbscrews.

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

Step 3:
Applying thermal paste

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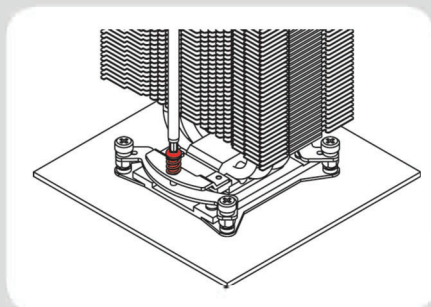
Caution: Applying too much thermal paste will lower the heat conductivity and cooling performance!

Step 4:
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: Tighten the screws until they stop, but don't use excessive force (max. torque 0.6 Nm).

Step 5:
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.

Should I take the cooler off before transporting my 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 (support@noctua.at).