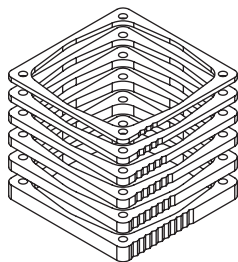


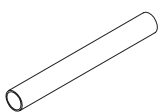


Required mounting parts:

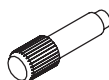


7x foam spacers:

NA-FDS1 (3mm), NA-FDS2 (4mm), NA-FDS3 (5mm),
NA-FDS4 (6mm), NA-FDS5 (7mm), 2x NA-FDS6 (10mm)

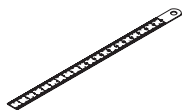


4x NA-FDT1
plastic tubes
(16 included in total for
future installations)

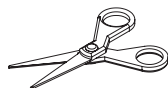


4x NA-FDB1
steel bolts

Required tools (not included):



Ruler or
tape measure



Scissors



Philips PH2
head screwdriver
or equivalent



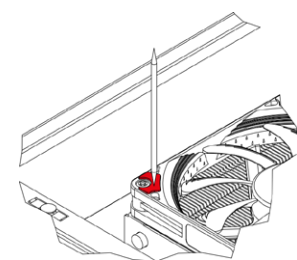
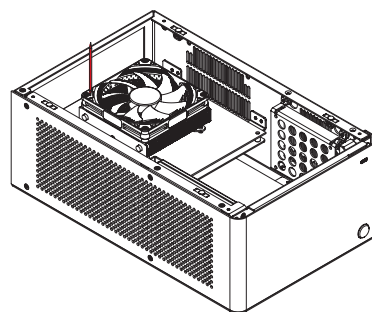
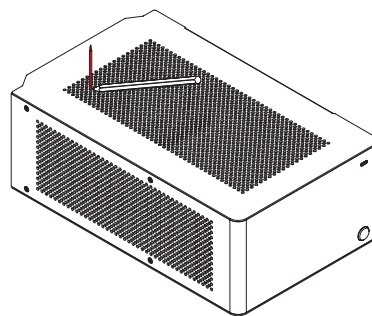
Pencil



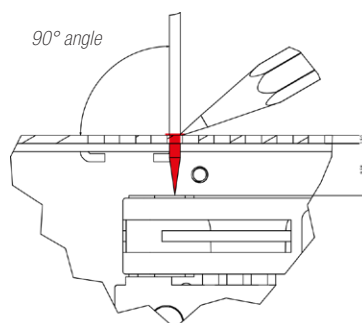
Toothpick or
similar straight,
thin object

1 Measuring the gap between the fan and the case panel

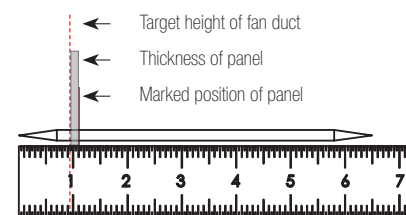
Please first fully assemble your system, installing the NH-L9 cooler according to the installation manual that came with the heatsink. Then, take a toothpick or a similar straight object that is thin enough to fit through the holes located above the cooler in your case's perforated panel. Stick this object through the panel, right above one of the corners of the NH-L9's fan, until it touches the fan's integrated anti-vibration pad at a 90° angle.



Mark the position of the panel on the toothpick using a pencil.

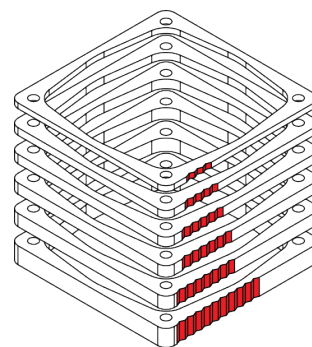


Measure the distance between the marking and the tip of the toothpick. Then, measure the thickness of the panel and deduct it from the first measurement result in order to determine the target height of your fan duct.

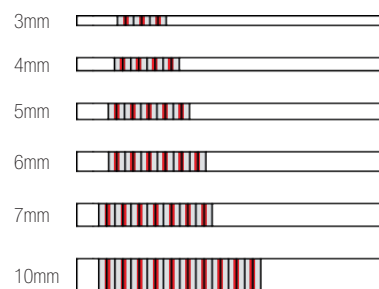


2 Selecting the foam spacers

The NA-FD1 contains the following spacers:
3mm, 4mm, 5mm, 6mm, 7mm, 10mm (2x)



Number of markings = thickness in millimeters



Please select the spacer(s) according to the target height determined in step 1. The spacers can be combined to any height between 5 and 45mm in 1mm increments. For example, if you have measured a target height of 16mm, please combine 1x 10mm and 6mm. If your target height is 25mm, please combine 2x 10mm and 5mm. 5mm is the minimum height due to the height of the mounting bolts.

For optimal performance, there should be no gap between the spacers and the panel after installation. If your case panel is installed by sliding it onto the case sideways (perpendicular to the cooler's direction of airflow), accepting a small gap of 1-2mm may be necessary so that the panel does not bend the top spacer during installation.

! Video instructions

For video instructions, please scan this code or access
<https://noctua.at/en/na-fd1/video>



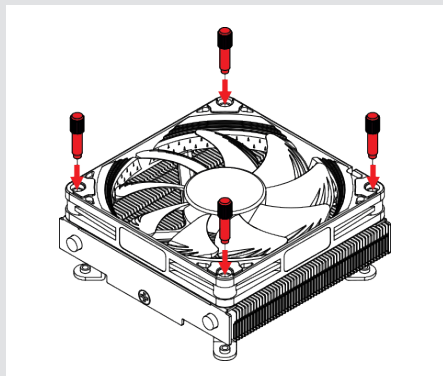
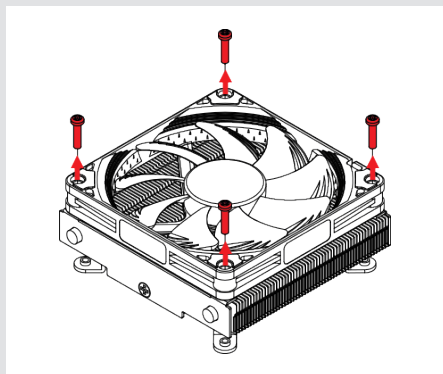


If, by contrast, your case panel is installed by pushing it onto the case parallel to the cooler's direction of airflow, it is fine to let the panel press against the spacers slightly.

Note that for best stability, it is recommended to use the thickest spacers available. For example, for 20mm, please use 2x 10mm instead of 7+6+4+3mm. If the target height can be achieved with a single spacer, use the single one instead of combining multiple thinner ones (e.g. 1x 10mm instead of 6+4mm).

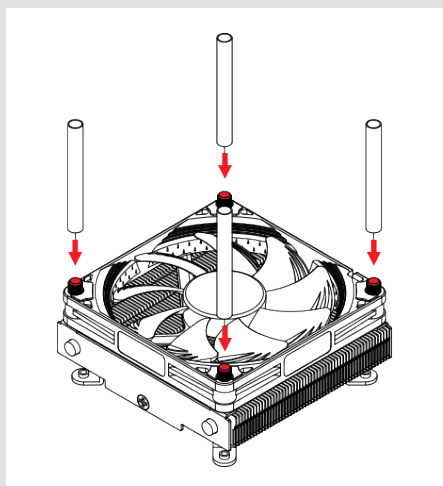
3 Replacing the fan screws

Replace the original fan screws with the supplied bolts.



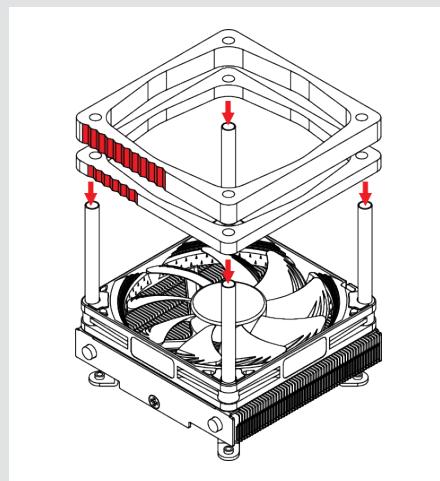
4 Adding the tubes

Stick the tubes firmly onto the bolts, pushing them all the way down.

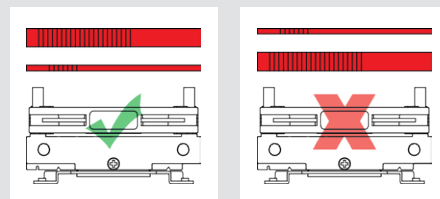


5 Adding the spacers

Put the spacer(s) onto the tubes.

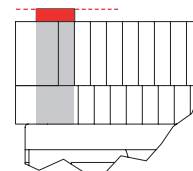
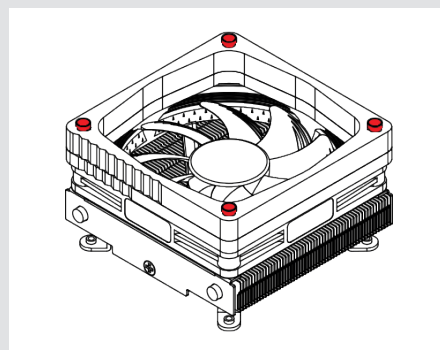
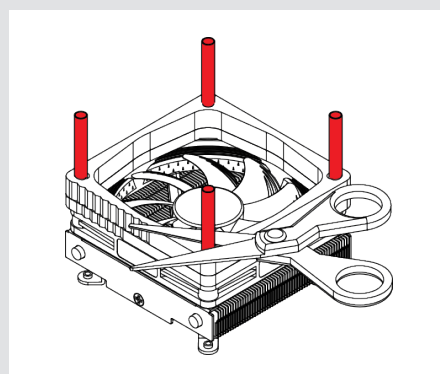


If you use multiple spacers, put the thinnest in the lowest position and the thickest on top in order to ensure best stability.

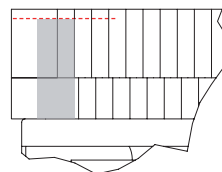
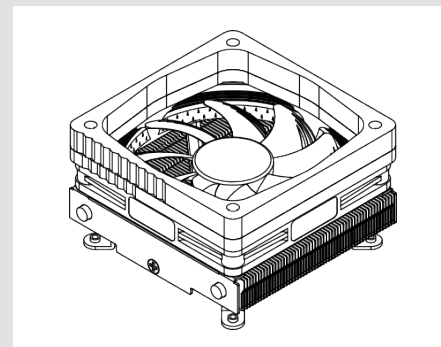
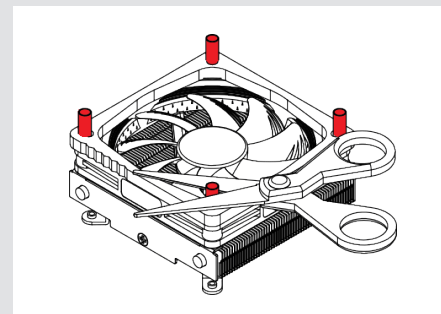


6 Cutting the tubes

Cut the tubes flush with the top spacer using scissors.



Then remove the top spacer and cut another ~2mm from the tubes in order to ensure that they will not make contact with the case panel.



Add the top spacer again and install the case panel. Double check that the spacers did not move or bend when installing the panel.

! 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 NA-FD1, 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