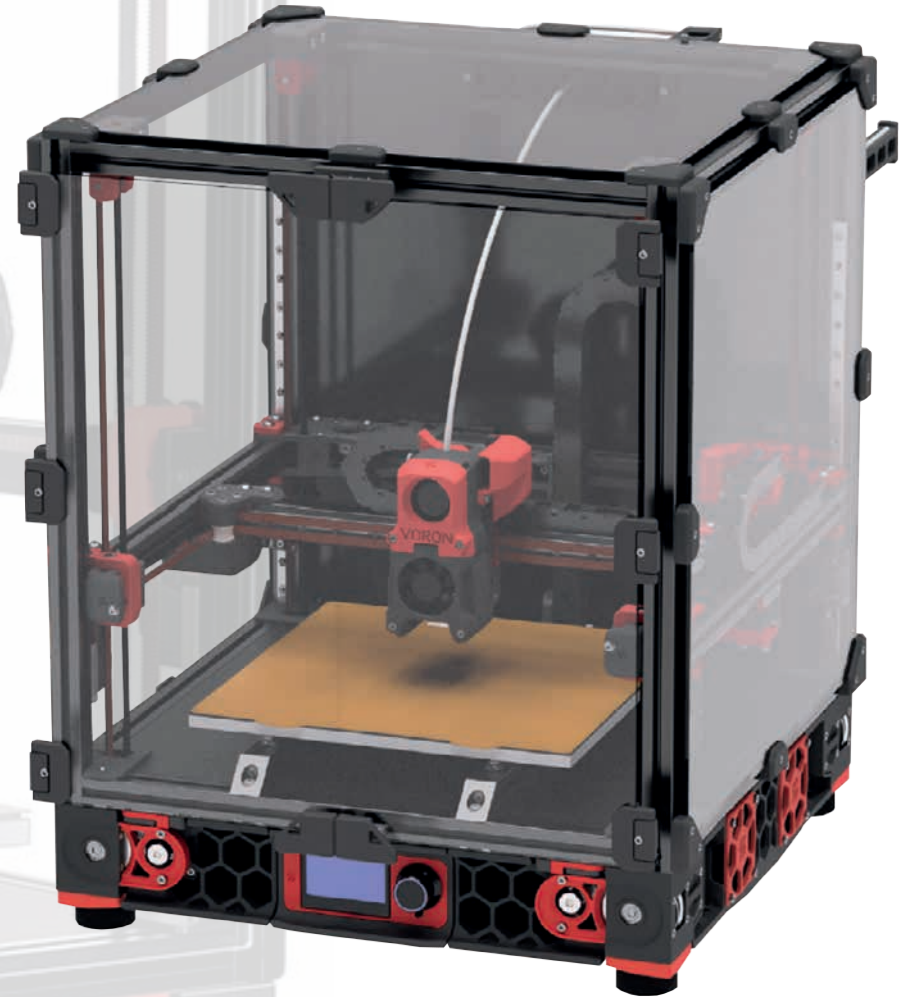




VORON 2.4

KIT 9

- PANELLING
- HEPA FILTER





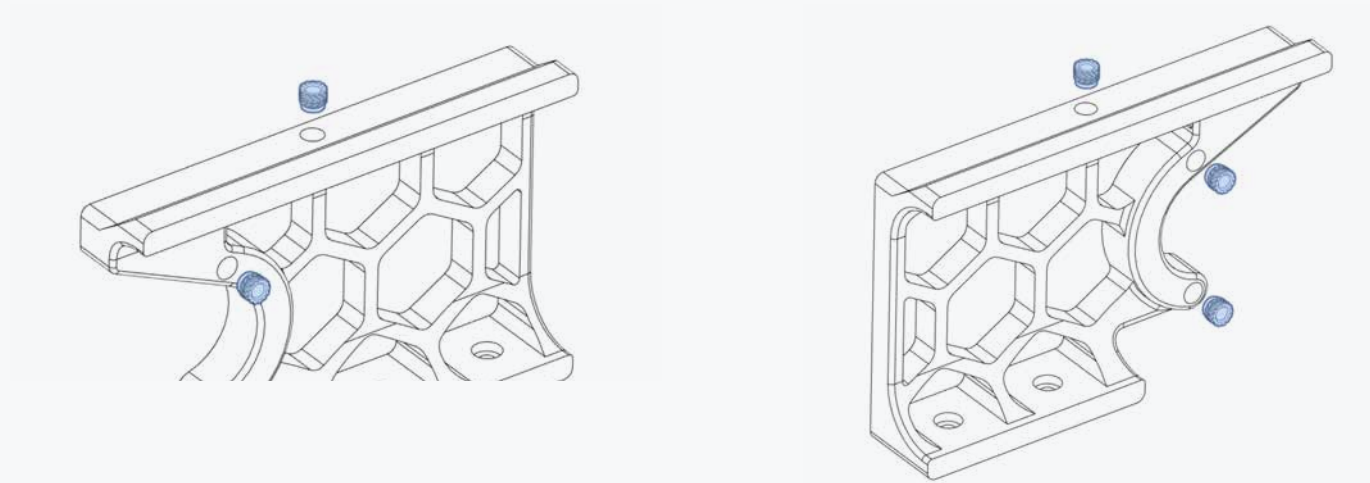
Before you begin on your journey, a word of caution.

In the comfort of your own home you are about to assemble a robot. This machine can maim, burn, and electrocute you if you are not careful. Please do not become the first VORON fatality. There is no special Reddit flair for that.

Please, read the entire manual before you start assembly. As you begin wrenching, please check our Discord channels for any tips and questions that may halt your progress.

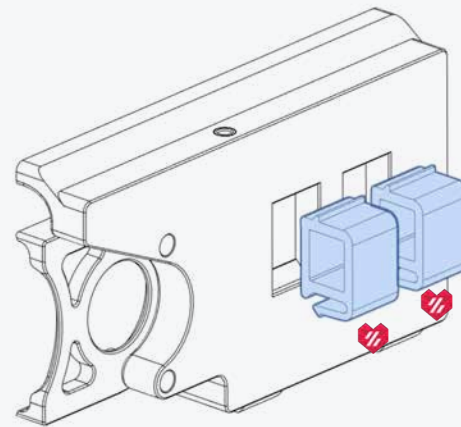
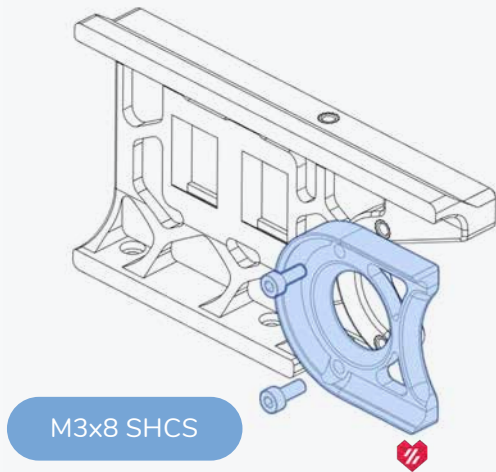
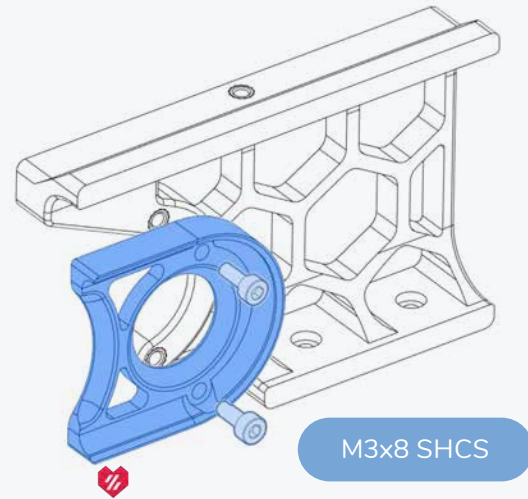
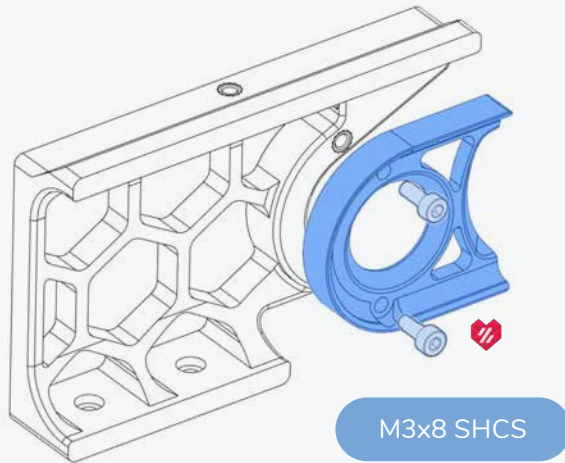
Most of all, good luck!

THE VORON TEAM



Heat Set Insert

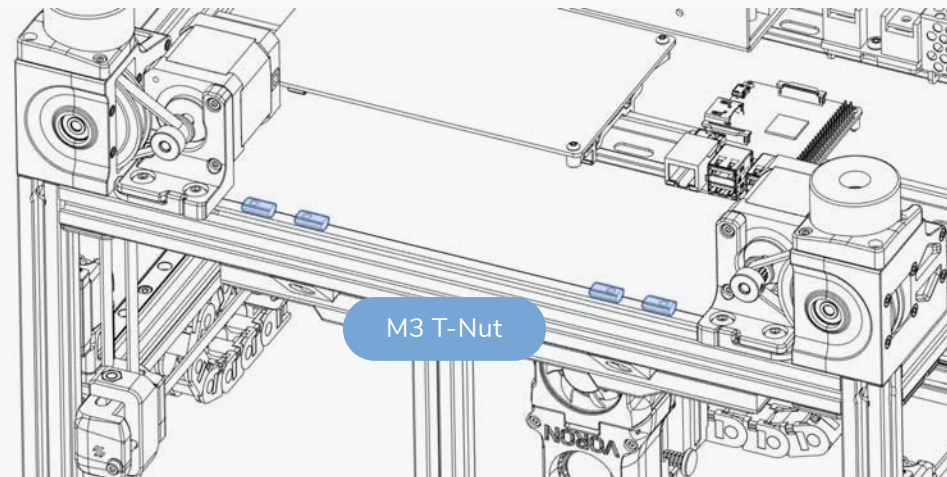
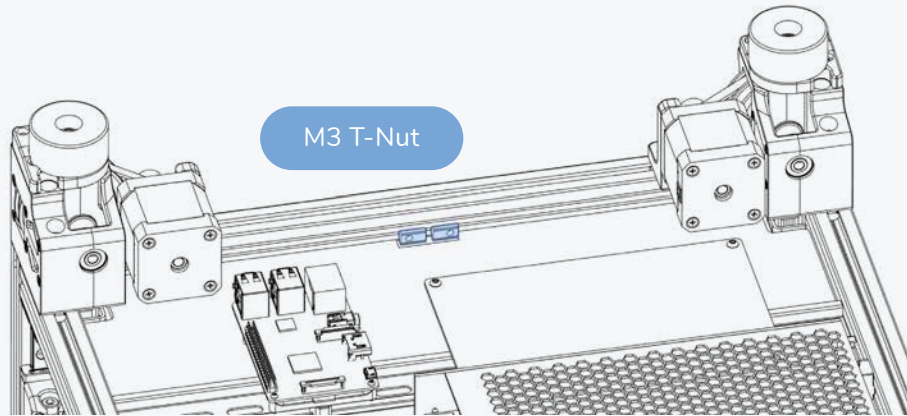
SKIRTS



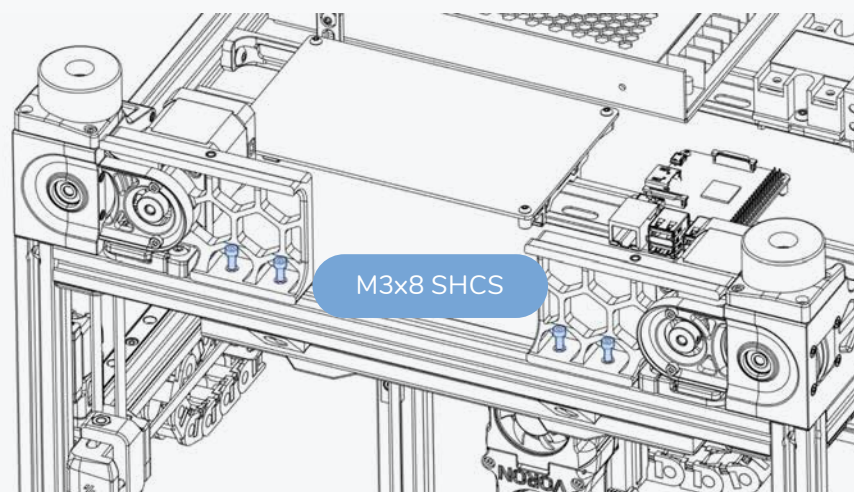
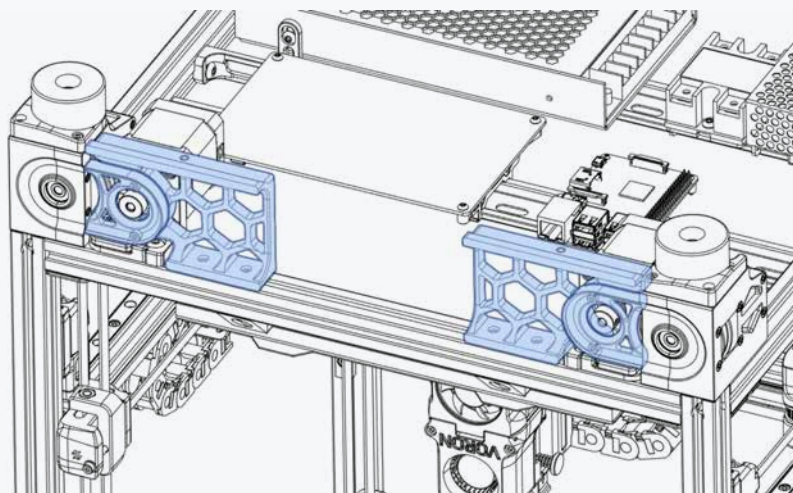
OPTION: KEYSTONE INSERTS

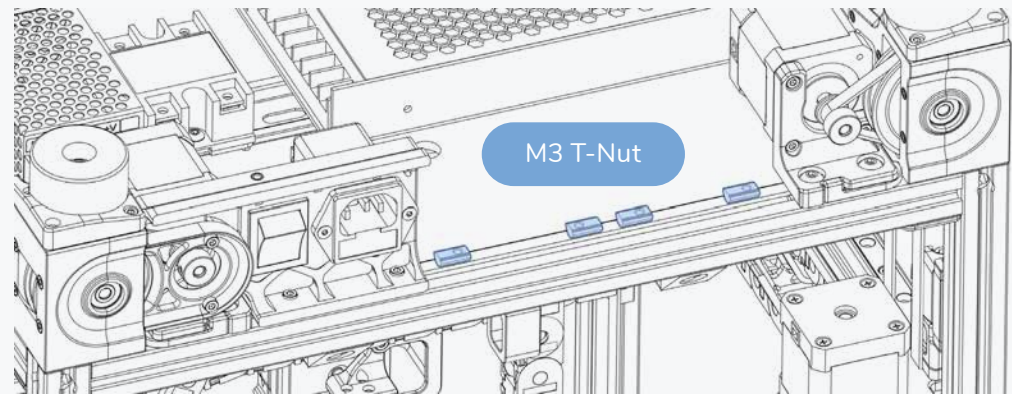
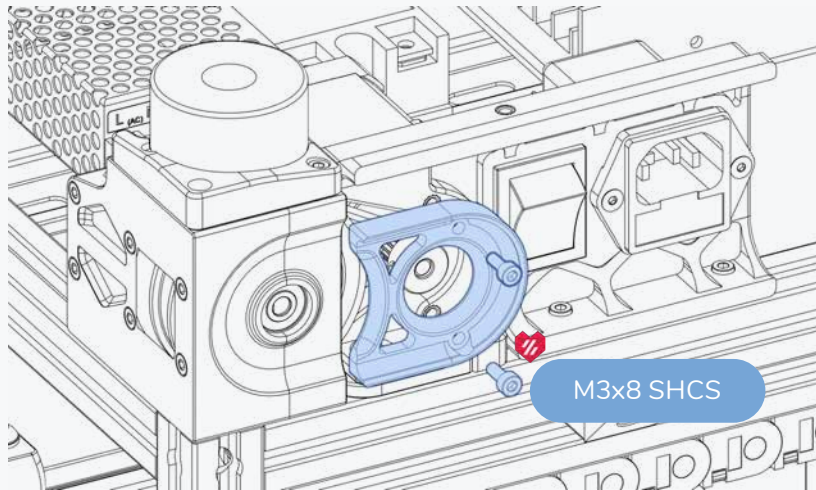
The picture is showing blanks for the keystone slots.

Alternatively you can add modules for USB or ethernet and expose ports of the Raspberry PI on the back of the printer.

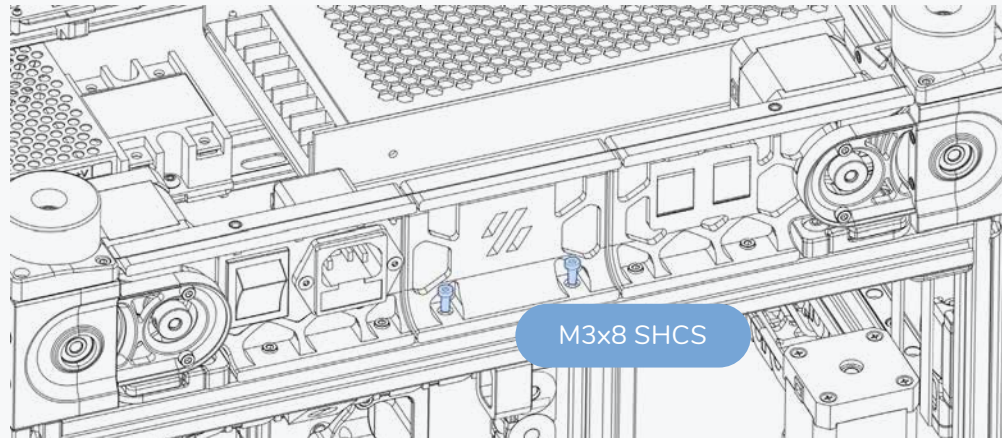
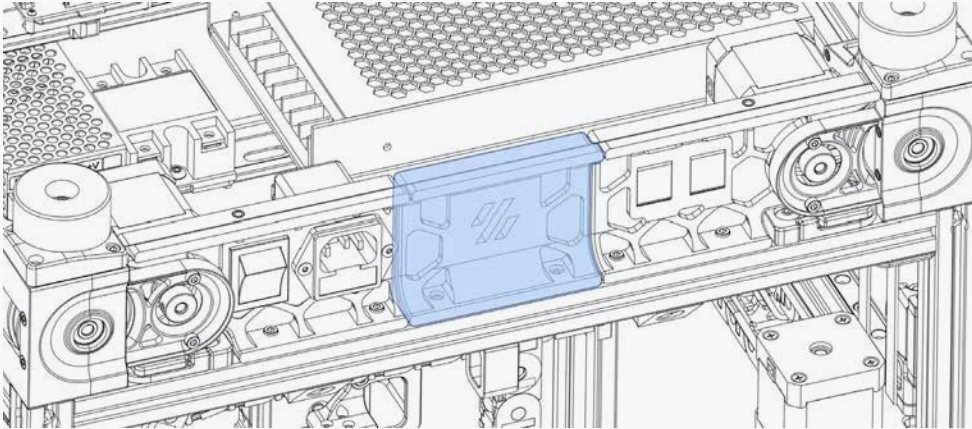


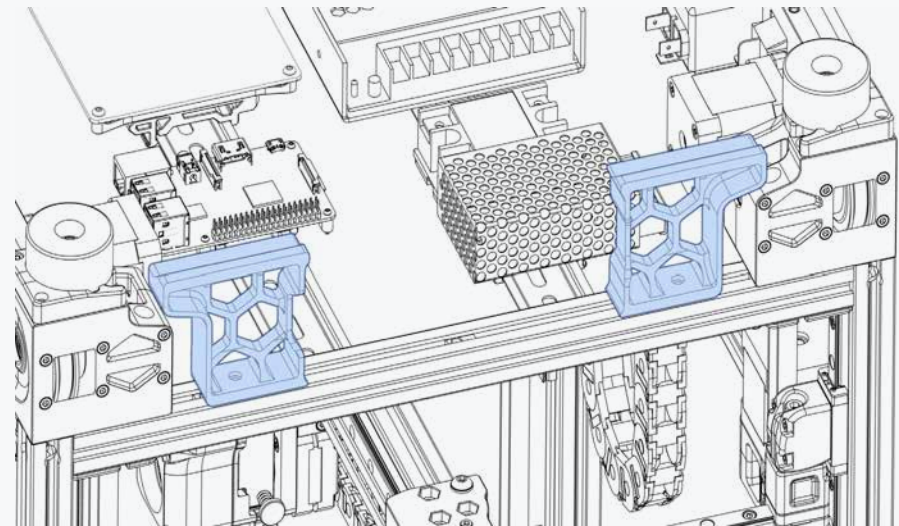
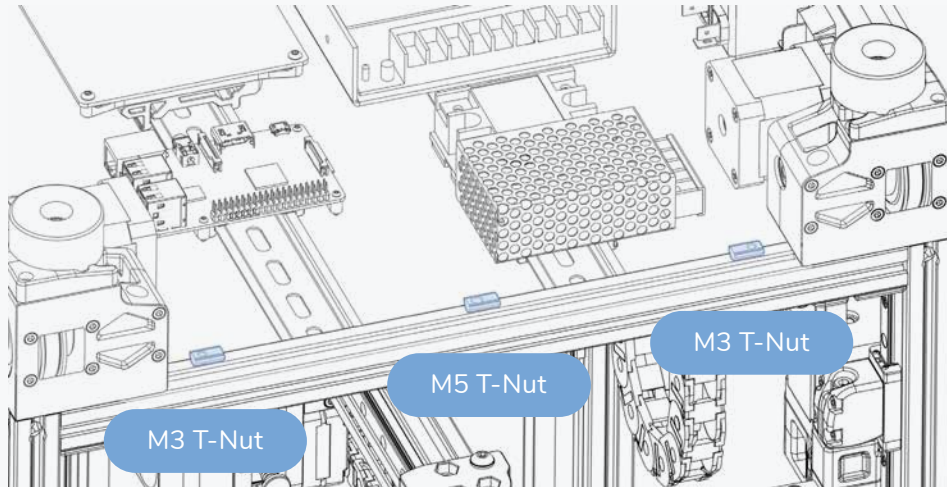
SKIRTS





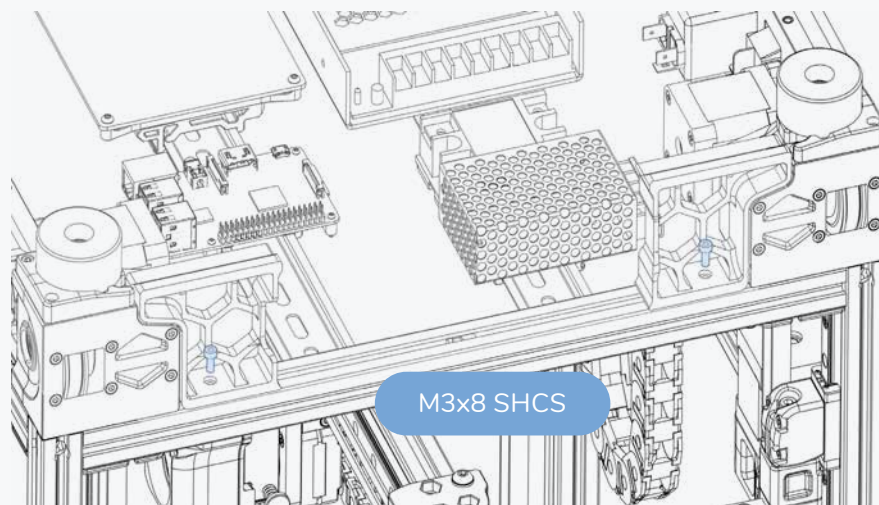
SKIRTS



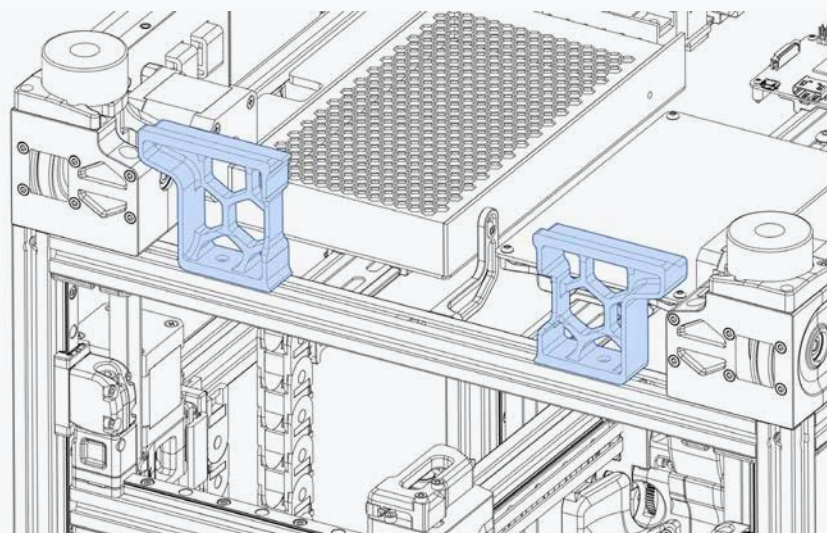
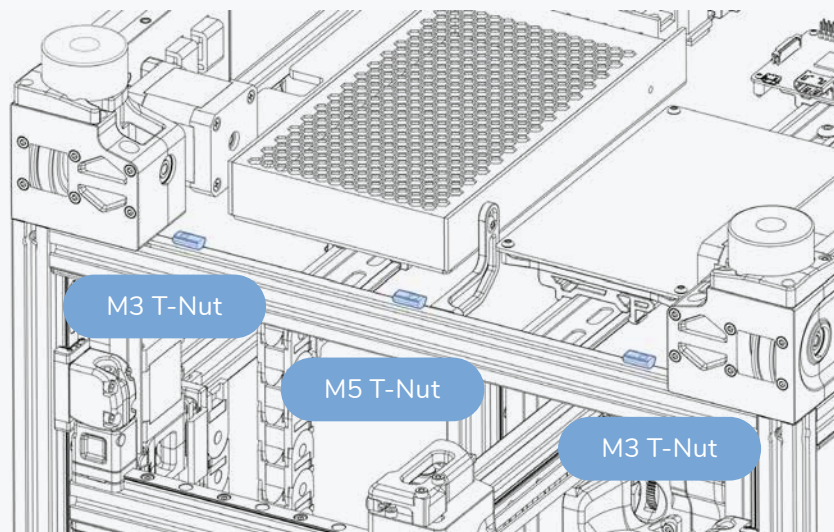


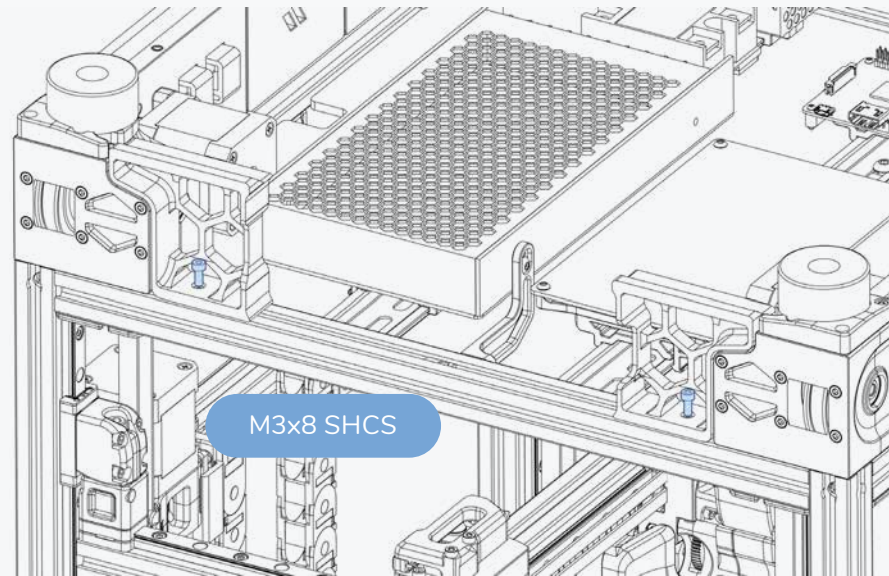
SKIRTS

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SKIRTS





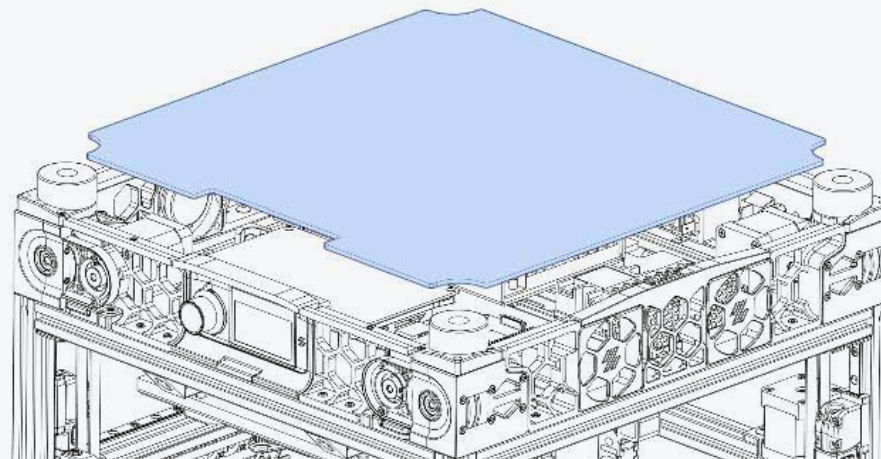
BOTTOM PANEL

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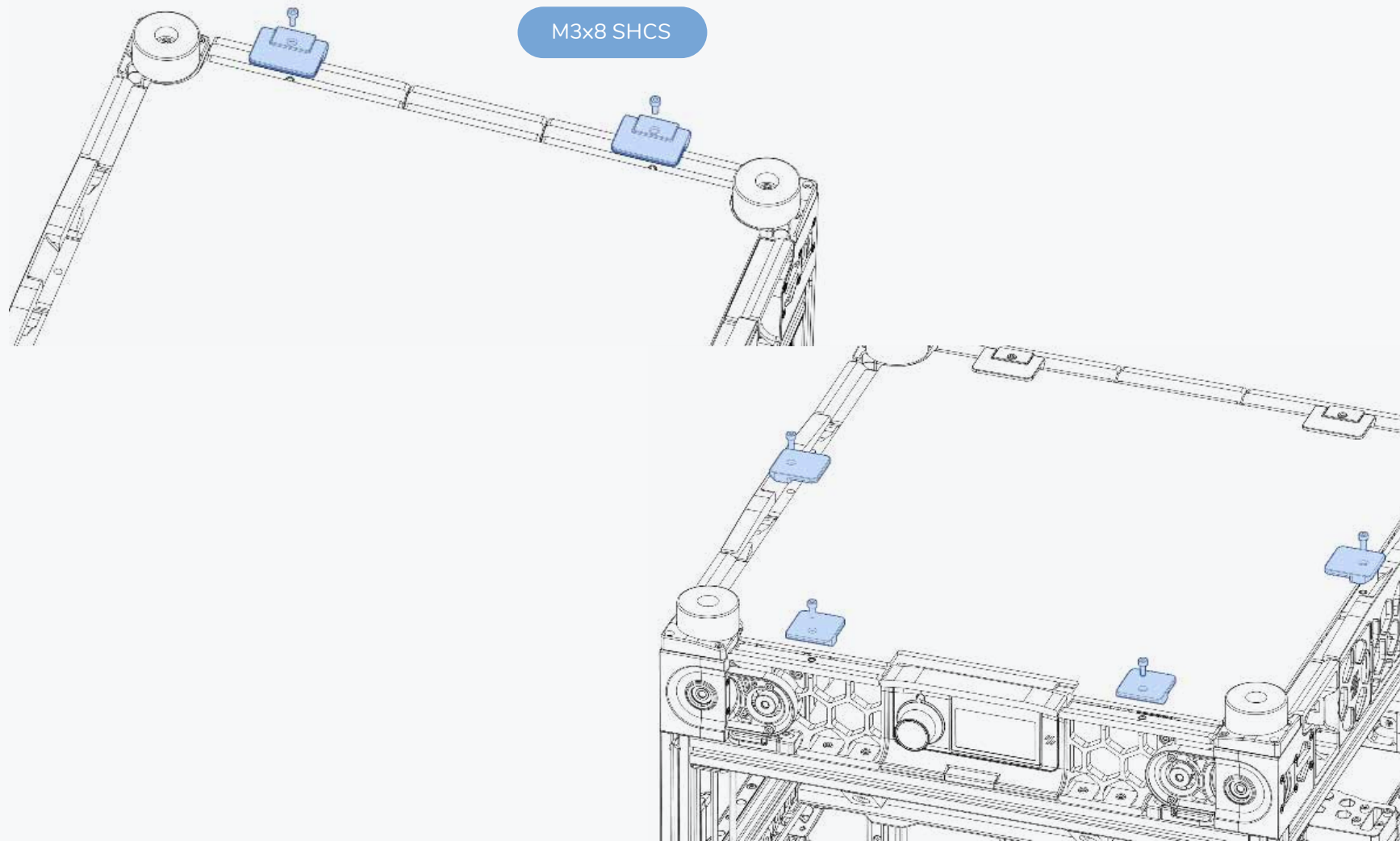


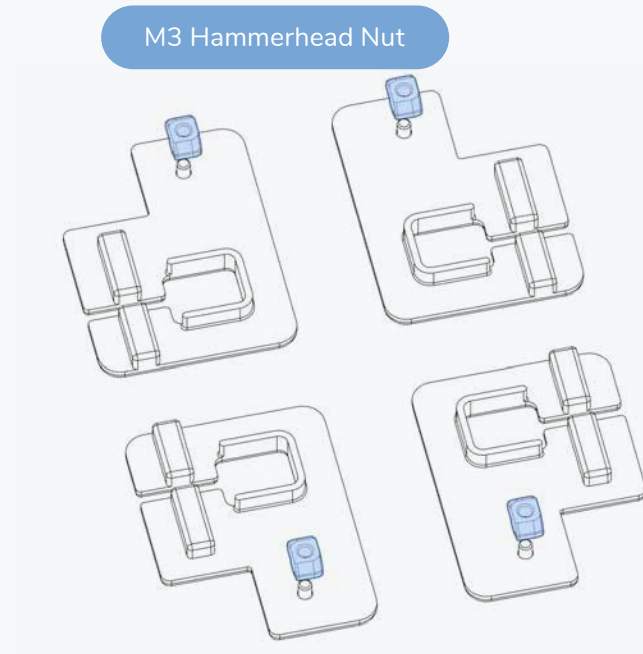
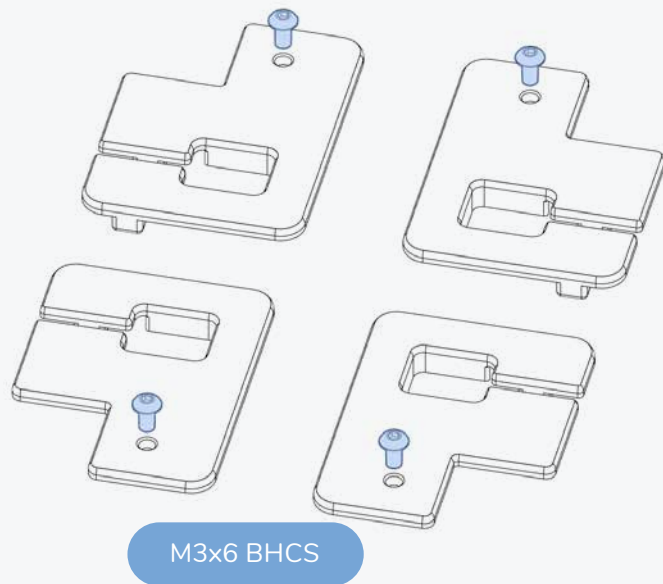
APPLY VHB TAPE

VHB Tape is a double sided adhesive tape.



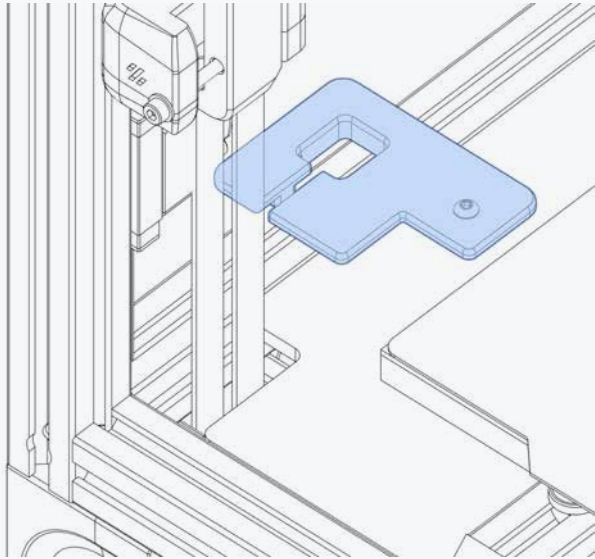
BOTTOM PANEL





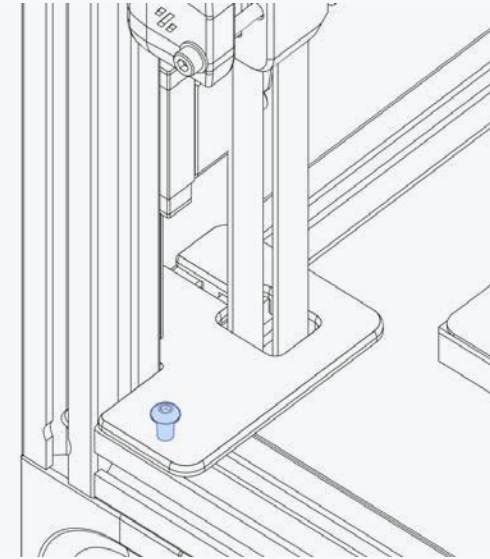
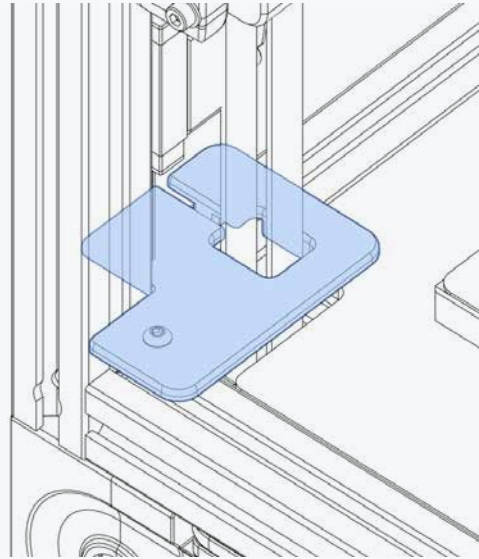
Z BELT COVERS

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PINCH BELT

Pinch the Z belt loop flat and slide the cover in place.

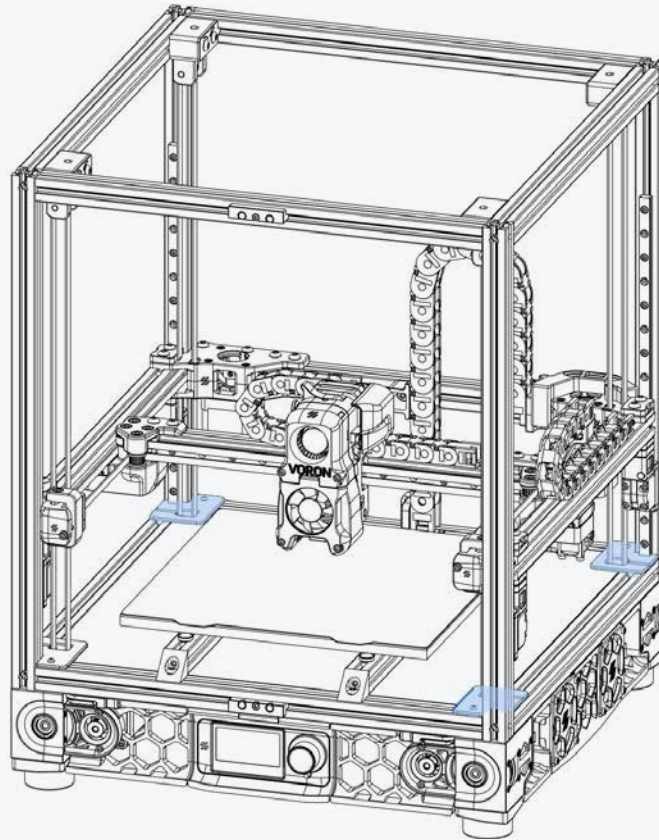


TURN TO FASTEN

The hammerhead nut will rotate and lock into place when you fasten the screw. At least that's the theory.

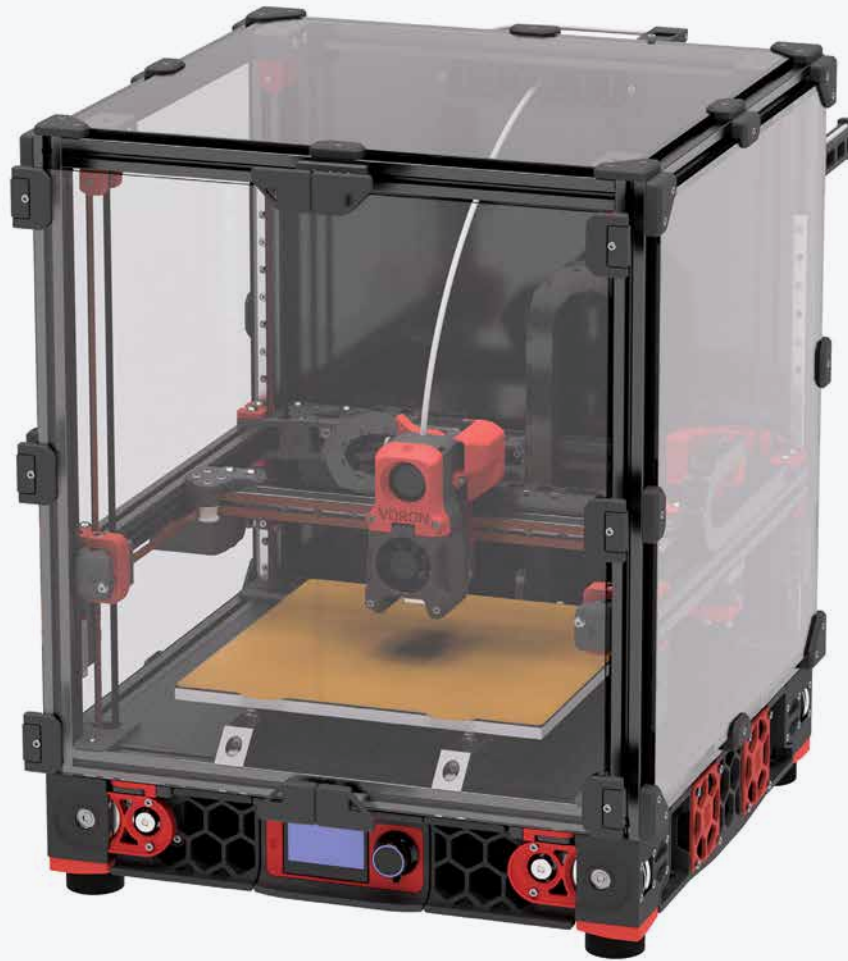
Z BELT COVERS

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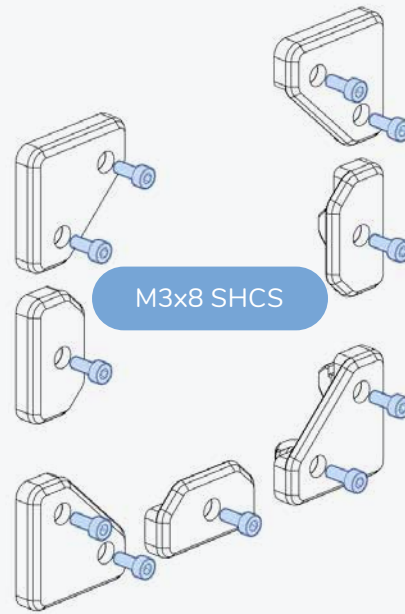
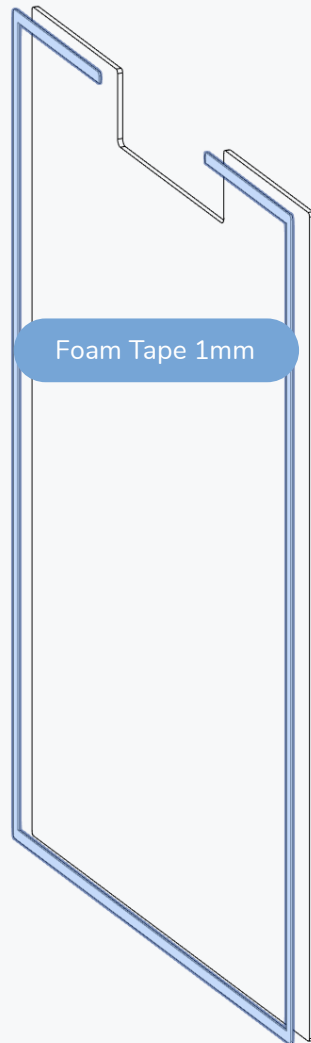
REPEAT FOR REMAINING COVERS

Repeat the assembly steps and install the remaining 3 covers.



BACK PANEL

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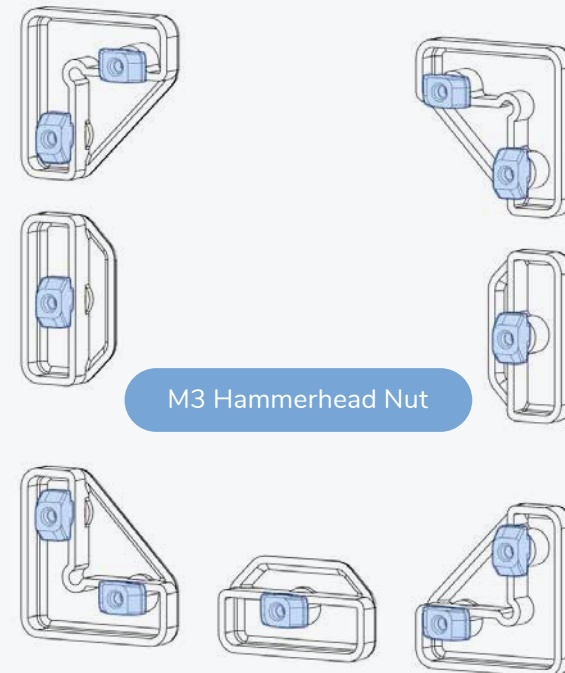


APPLY FOAM TAPE

Use foam tape on the contact areas between the panels and the frame to mitigate noise from vibrations.

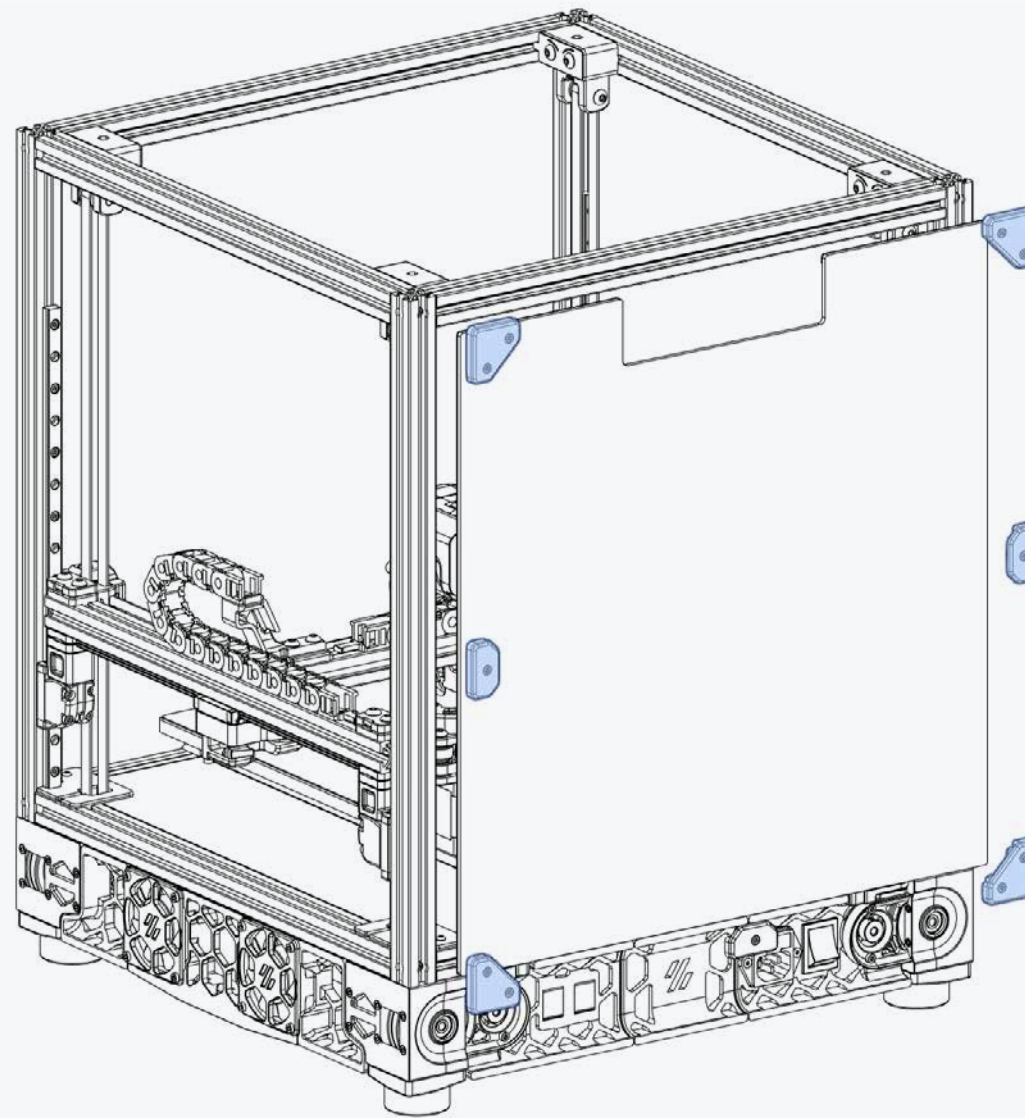
HAMMERHEAD NUTS?

A drop of thread locker will turn the hammerhead nuts into a 1/4 turn quick release for the panels. Best done once the assembly is finished.



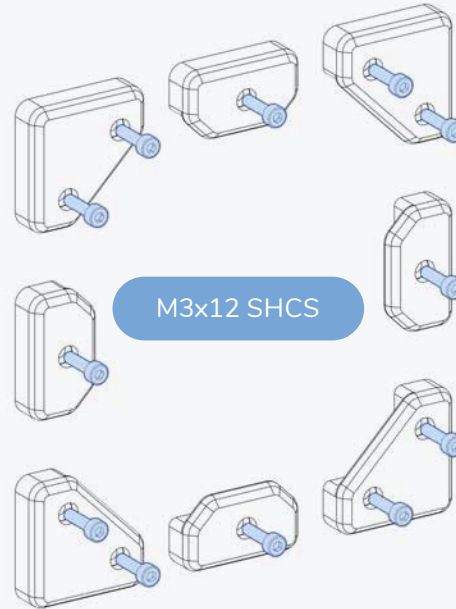
BACK PANEL

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SIDE PANELS

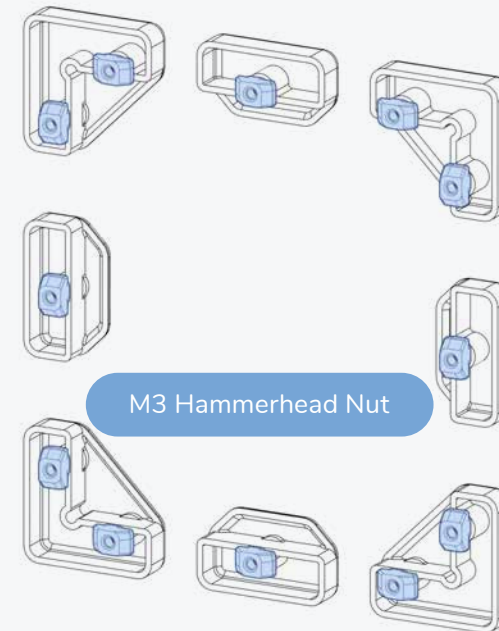
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APPLY 3MM FOAM TAPE

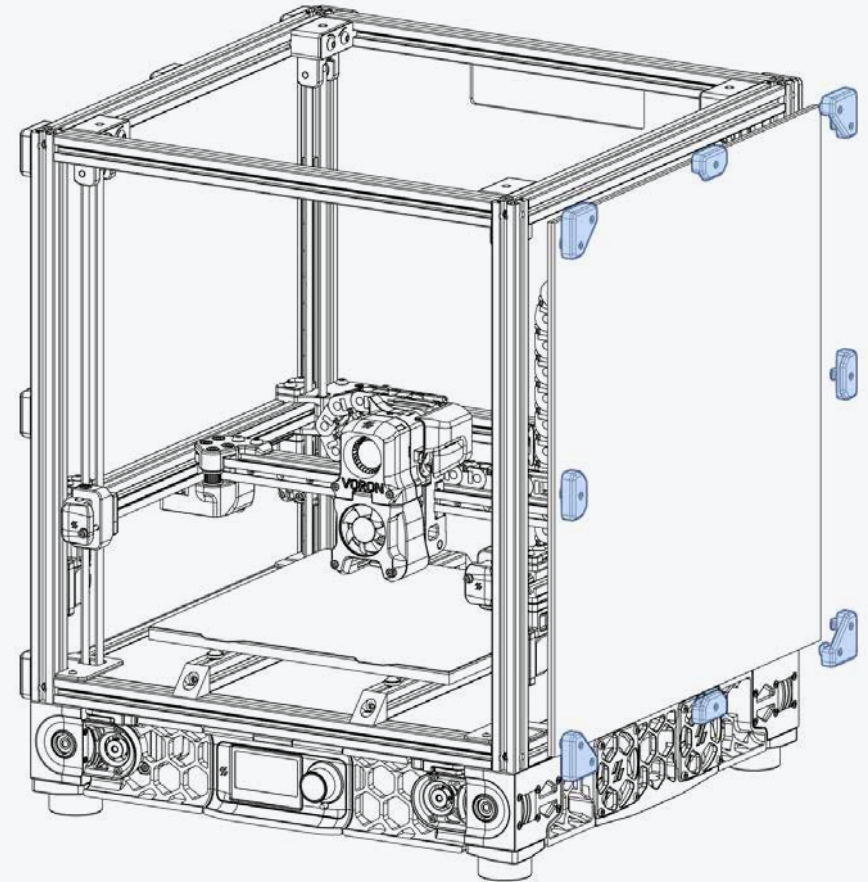
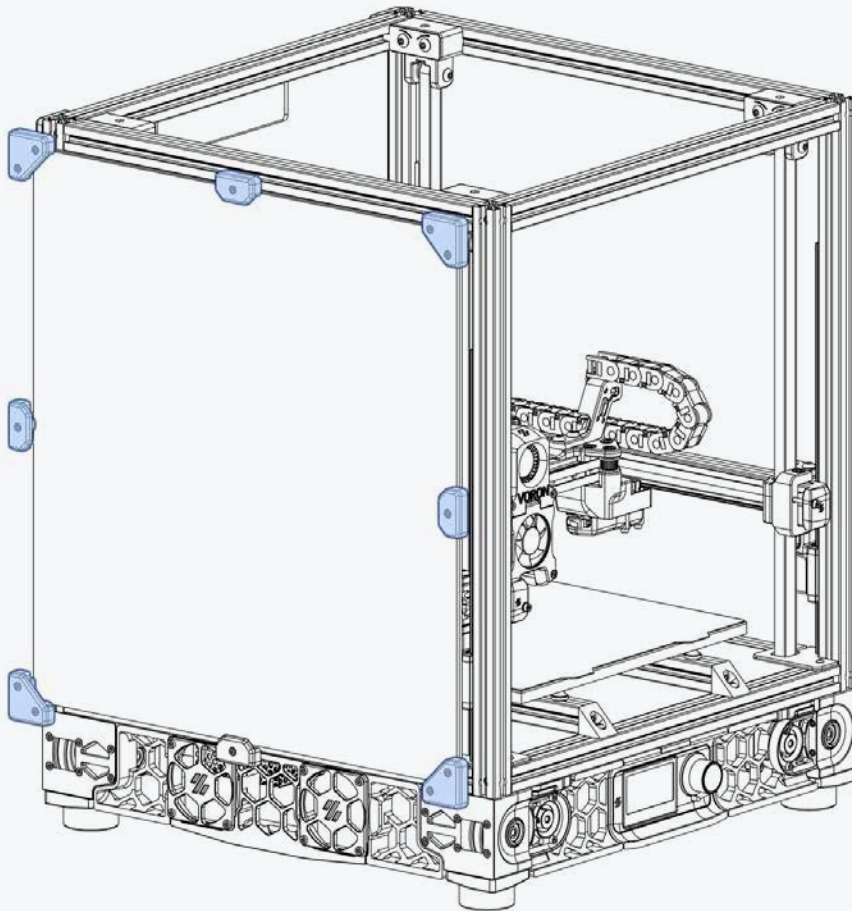
Use foam tape on the contact areas between the panels and the frame to mitigate noise from vibrations.

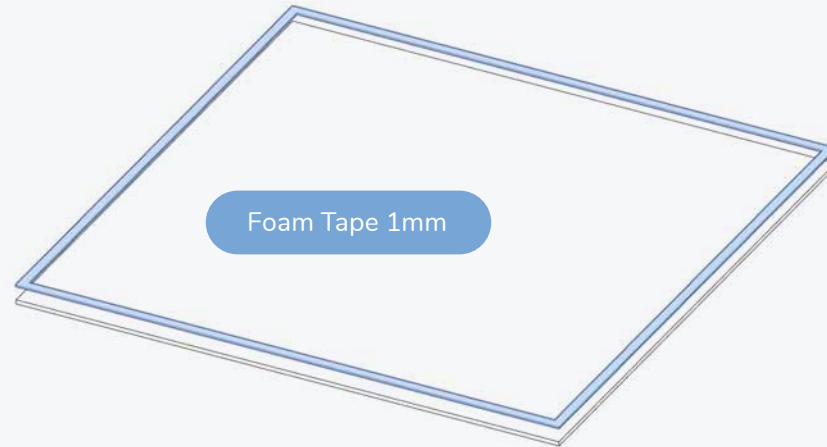
The 3mm foam tape is used on the side panels to prevent the gantry from rubbing on the panels.



SIDE PANELS

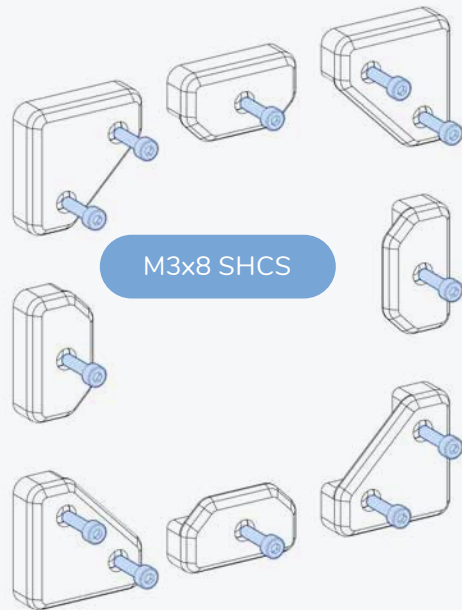
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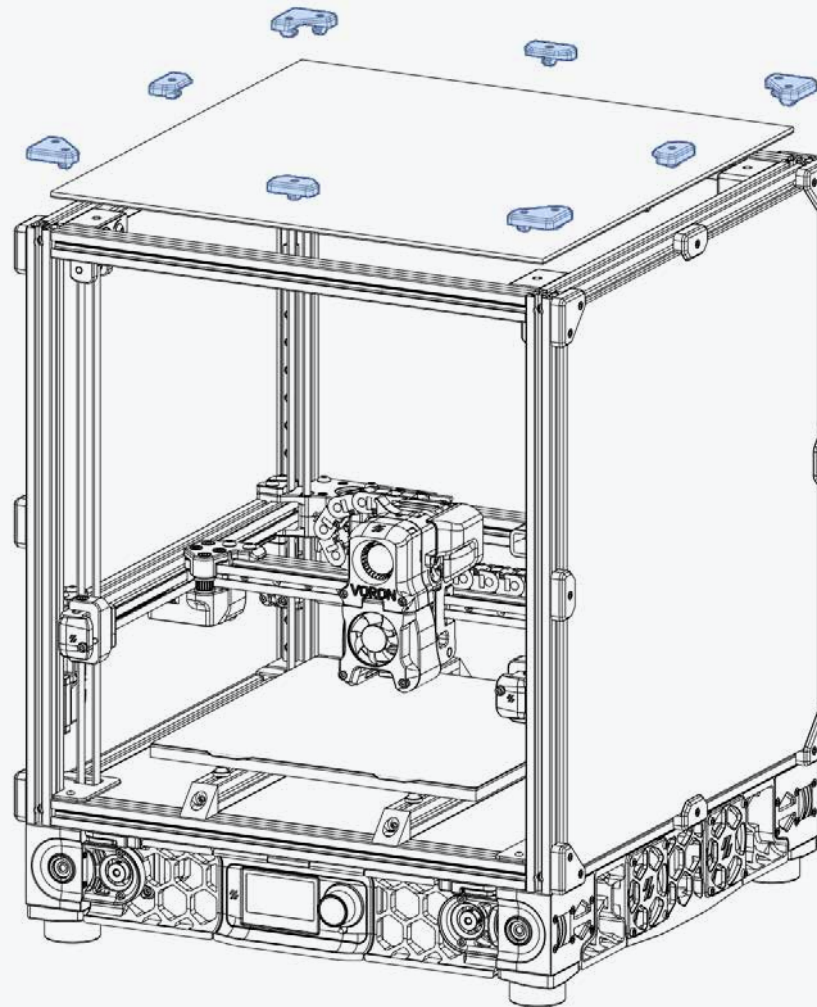
APPLY FOAM TAPE

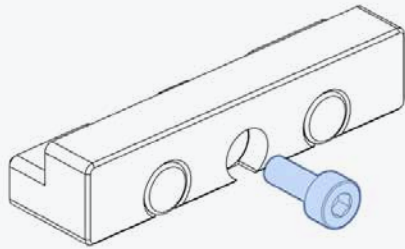
Use foam tape on the contact areas between the panels and the frame to mitigate noise from vibrations.



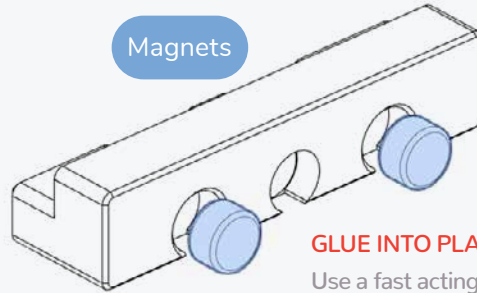
TOP PANEL

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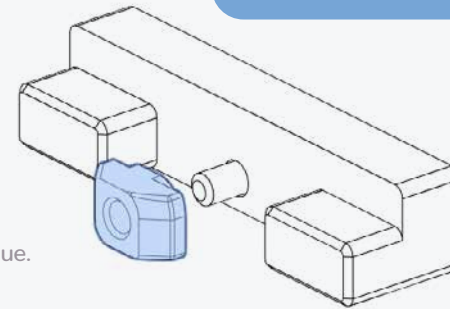
M3x8 SHCS



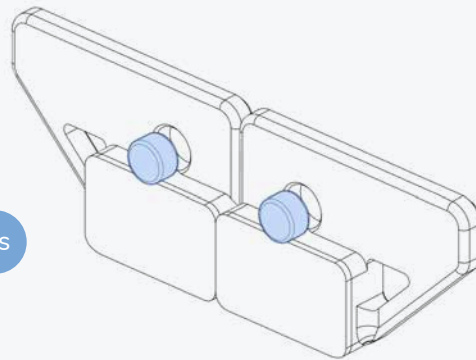
Magnets

GLUE INTO PLACE

Use a fast acting glue like super-glue.



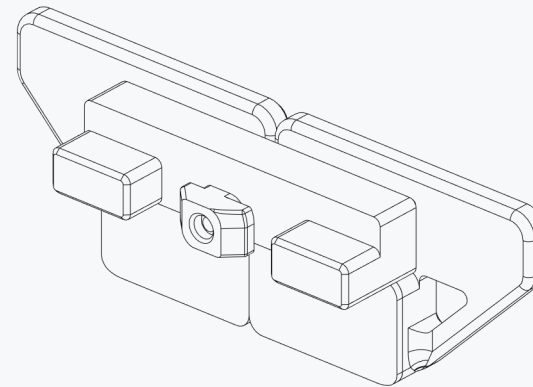
M3 Hammerhead Nut

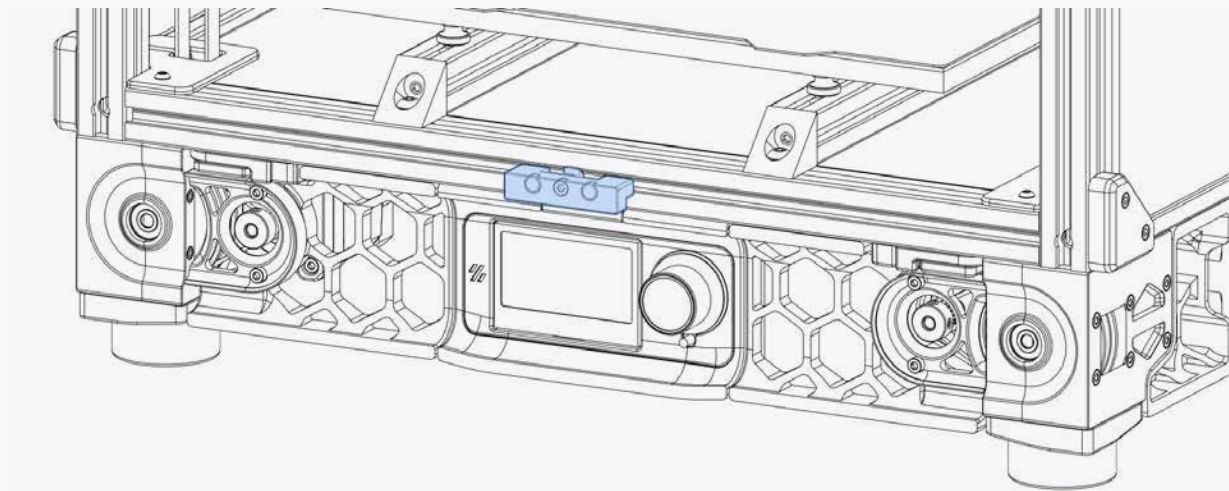
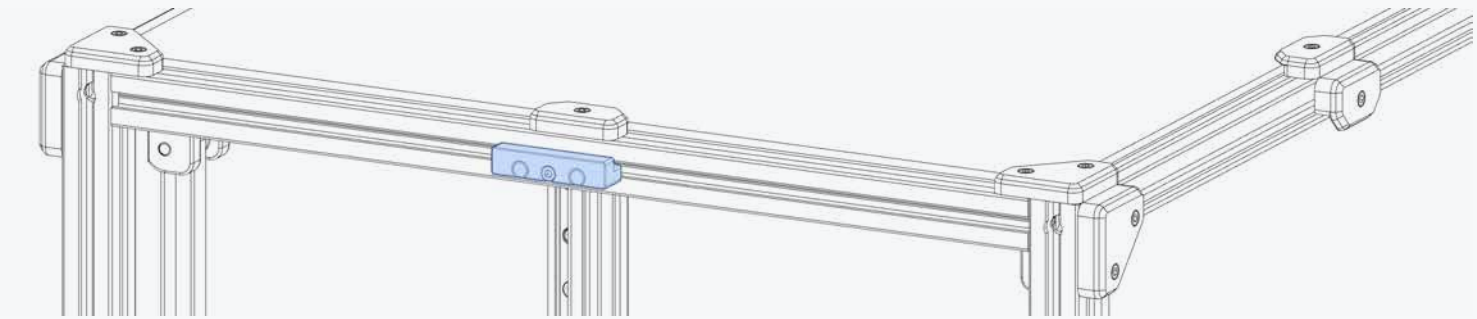


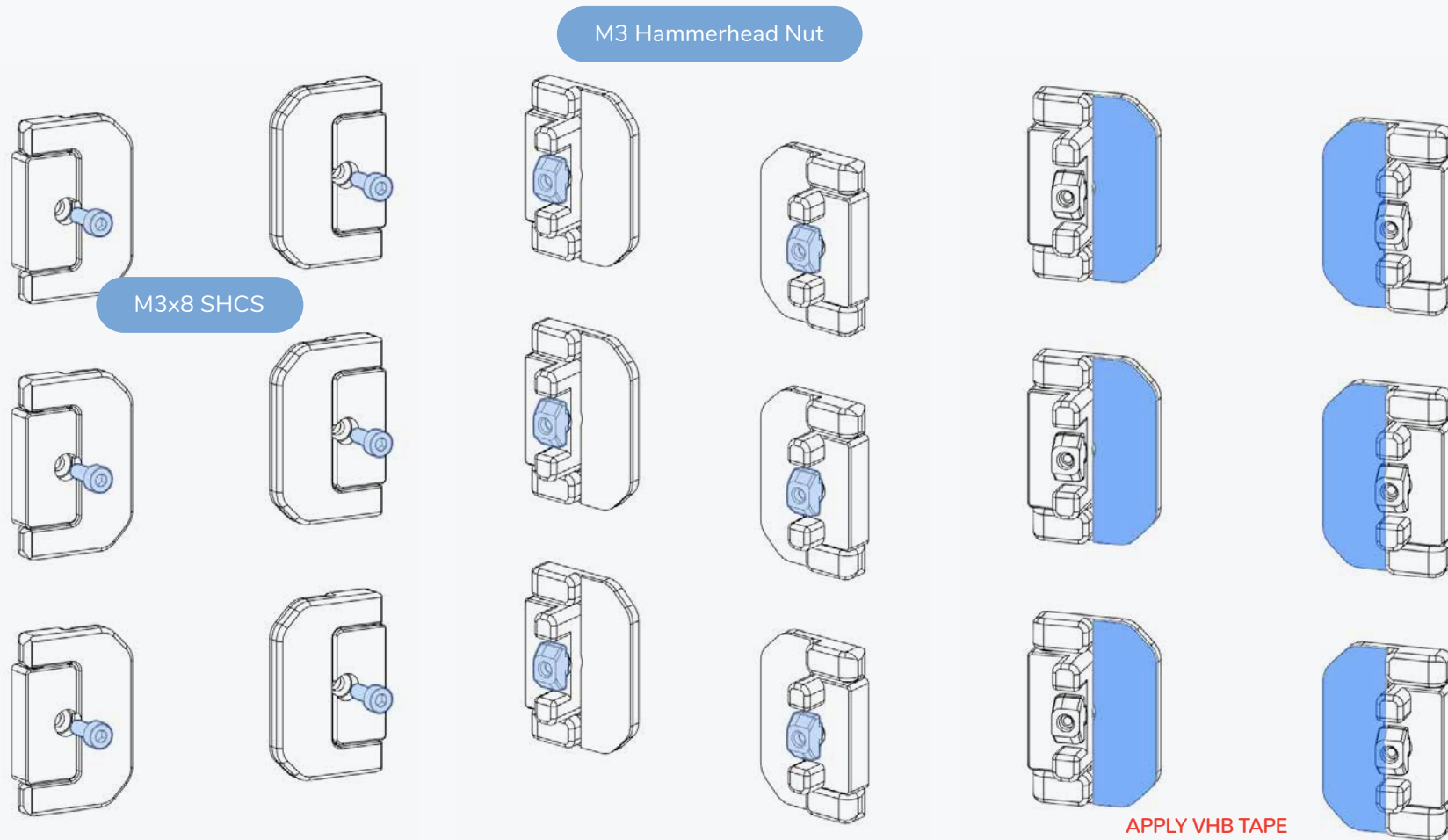
Magnets

MIND THE MAGNET POLARITY

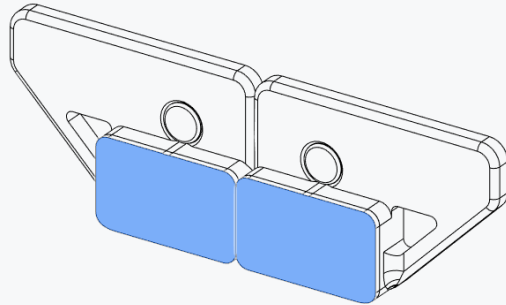
Ensure that the magnets are facing in the right direction prior to gluing them into place.





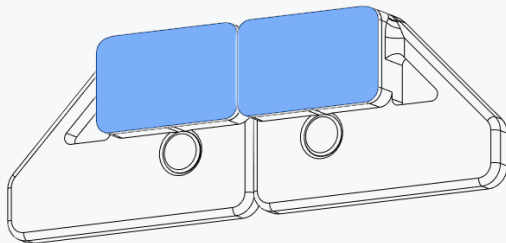


VHB Tape is a double sided adhesive tape.



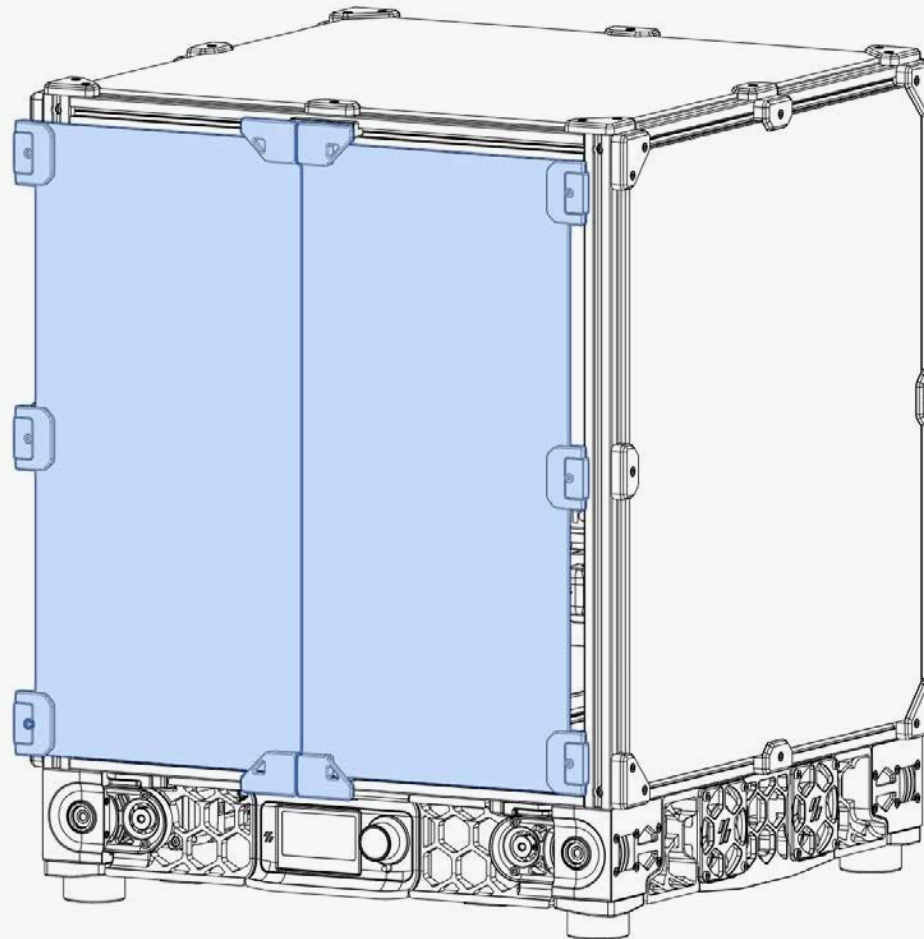
APPLY VHB TAPE

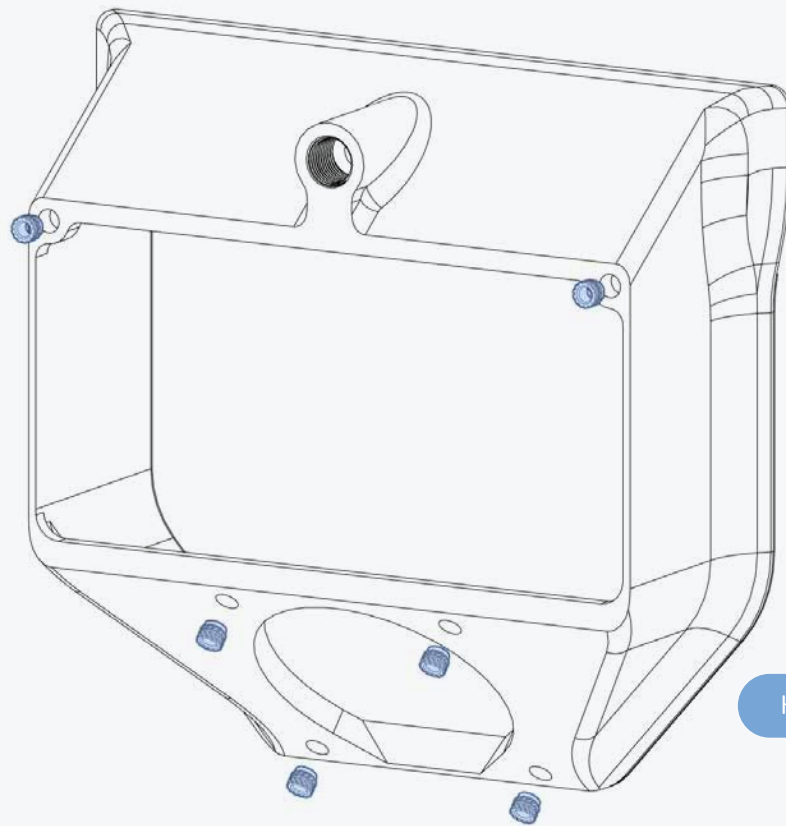
VHB Tape is a double sided adhesive tape.



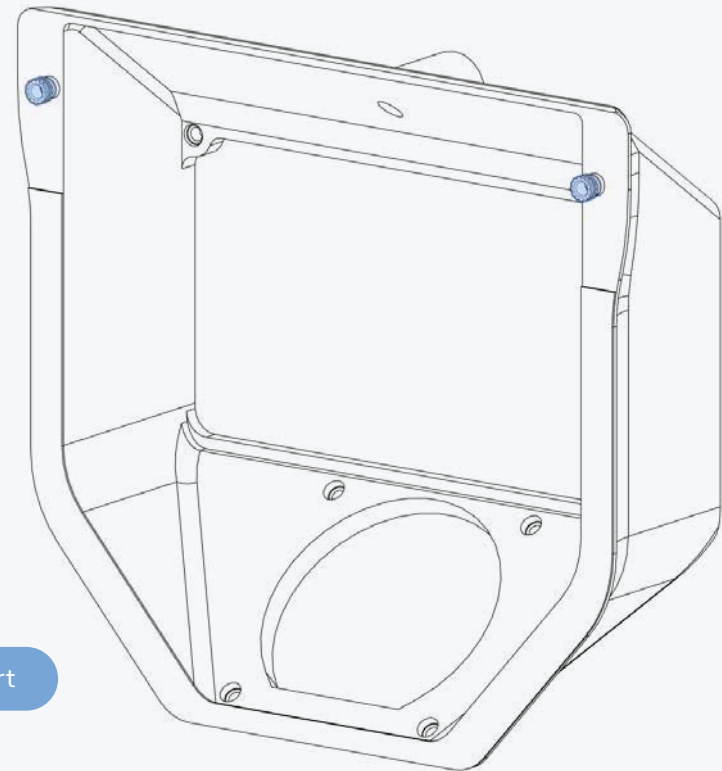
DOORS

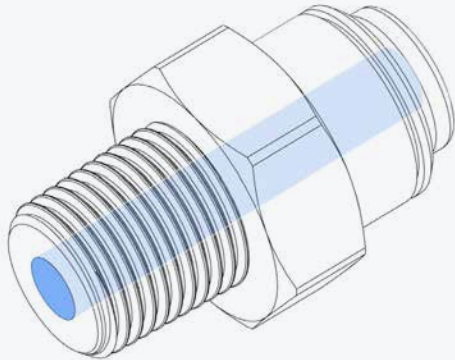
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Heat Set Insert

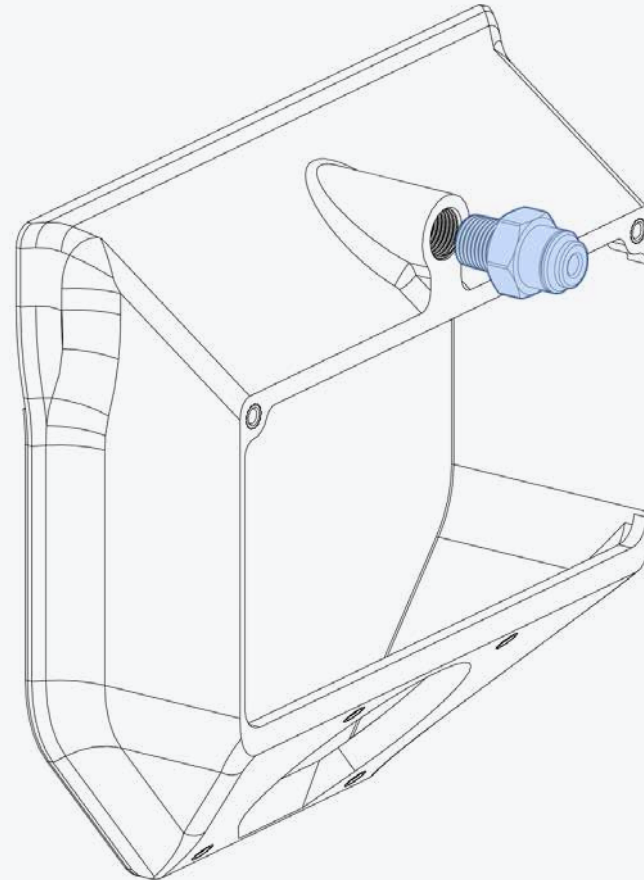




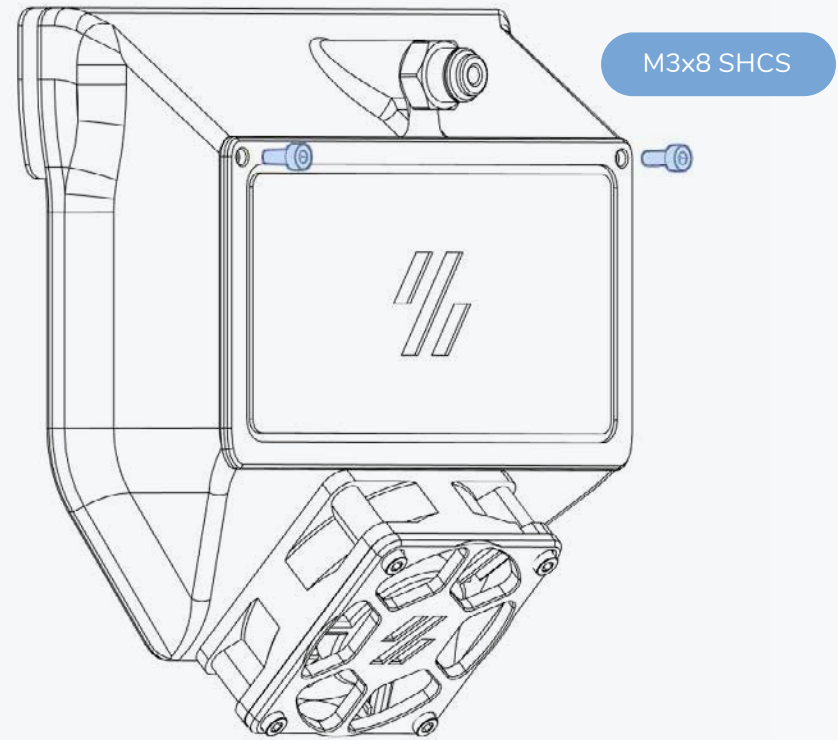
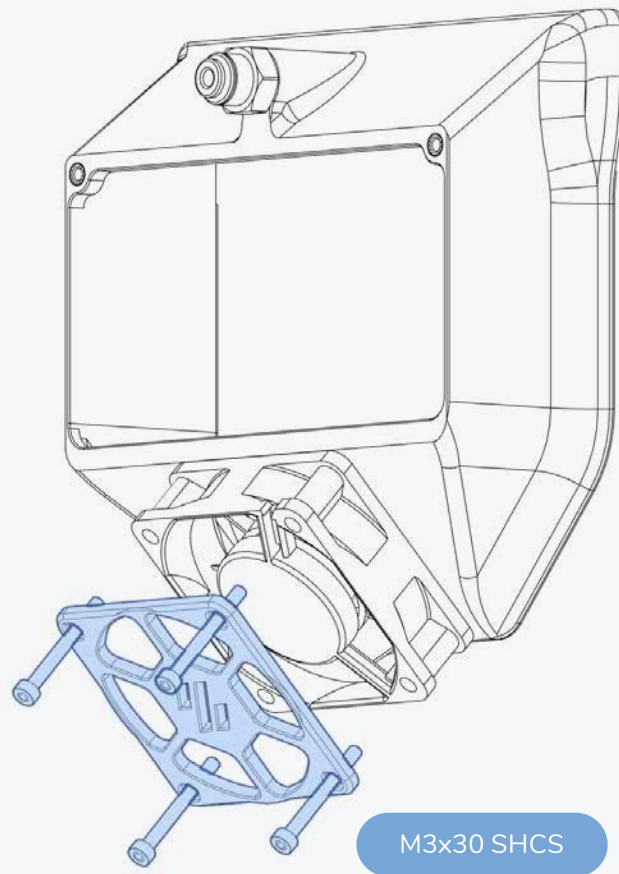
BSPP ADAPTER

Some adapters have a small lip that prevents the PTFE tube from passing through.

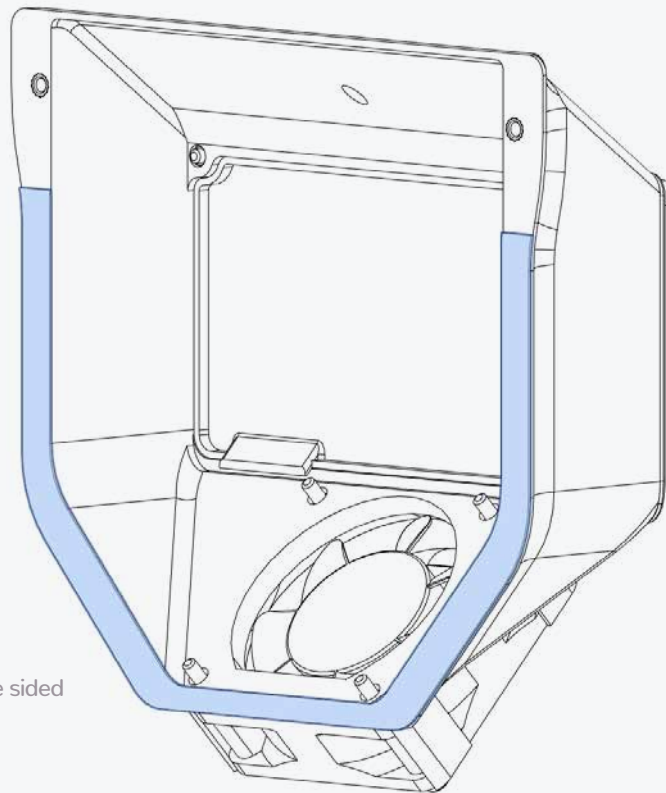
Inspect the adapter and if necessary use a drill to carefully remove the lip.



EXHAUST

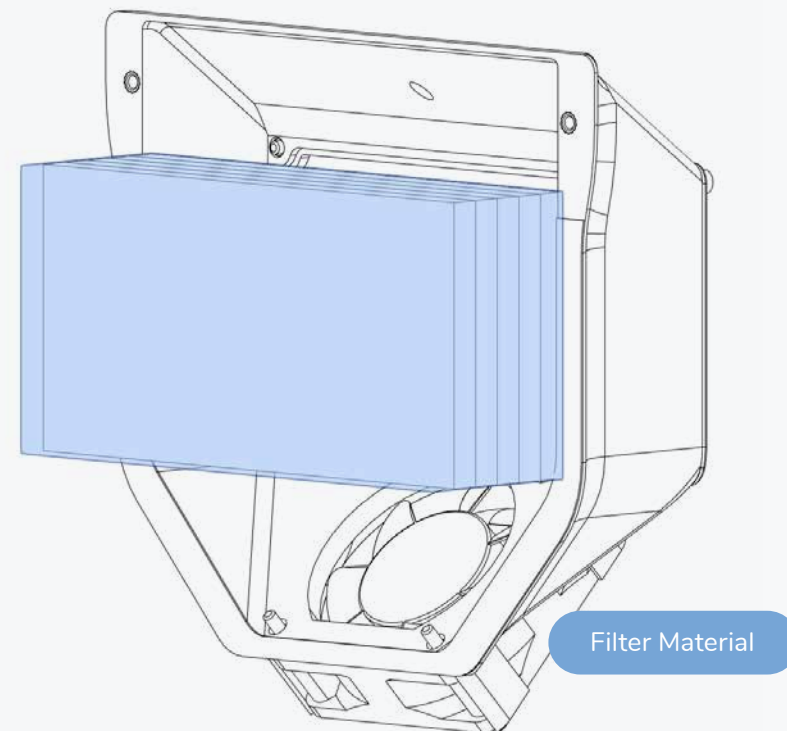


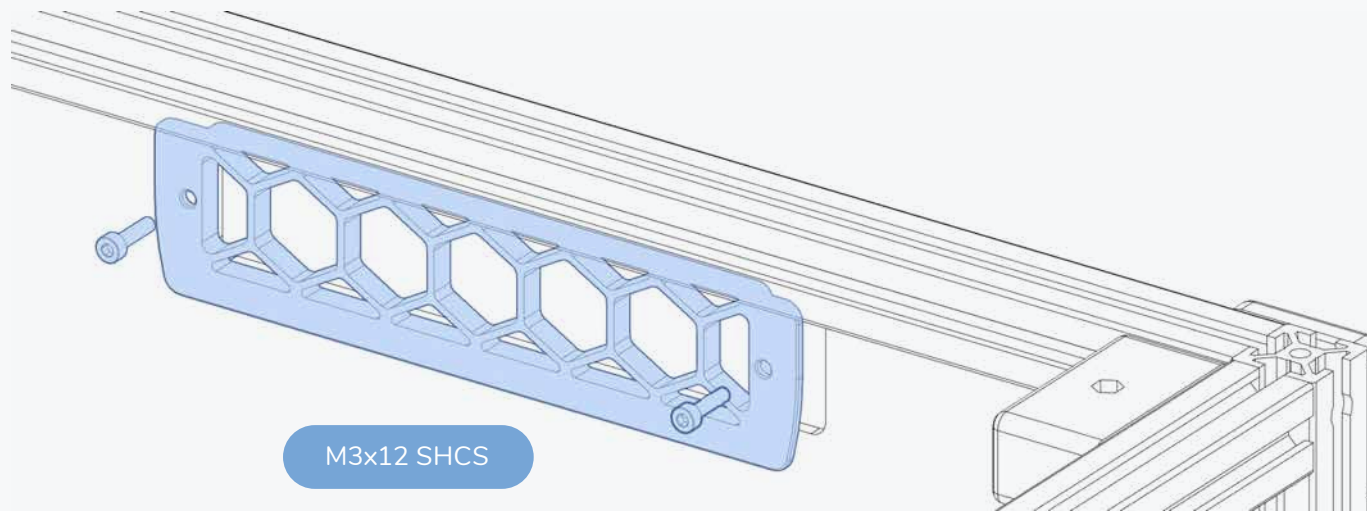
EXHAUST



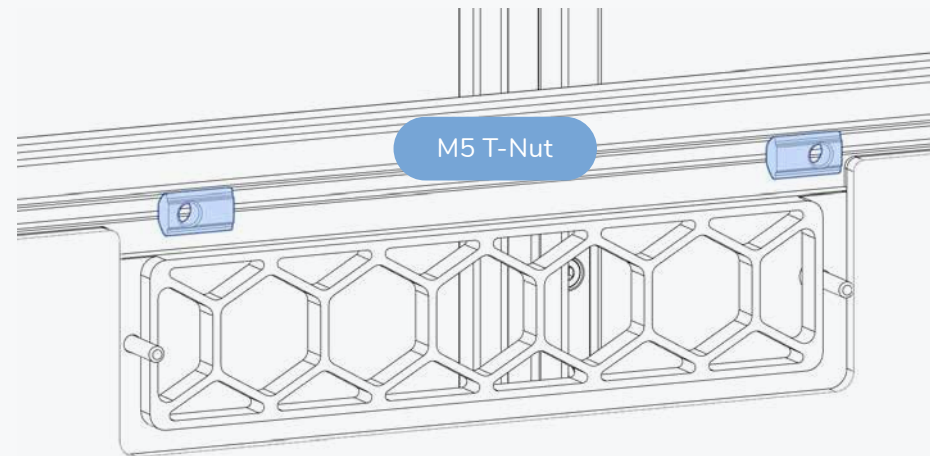
APPLY VHB TAPE

VHB Tape is a double sided adhesive tape.



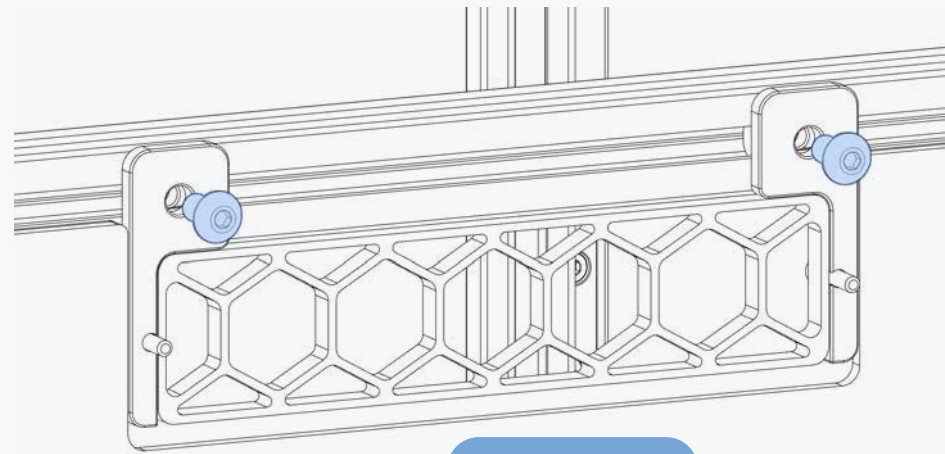
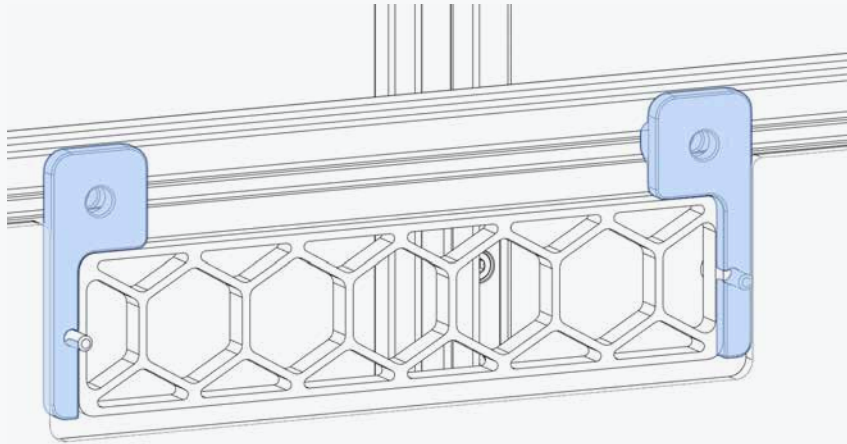


M3x12 SHCS



M5 T-Nut

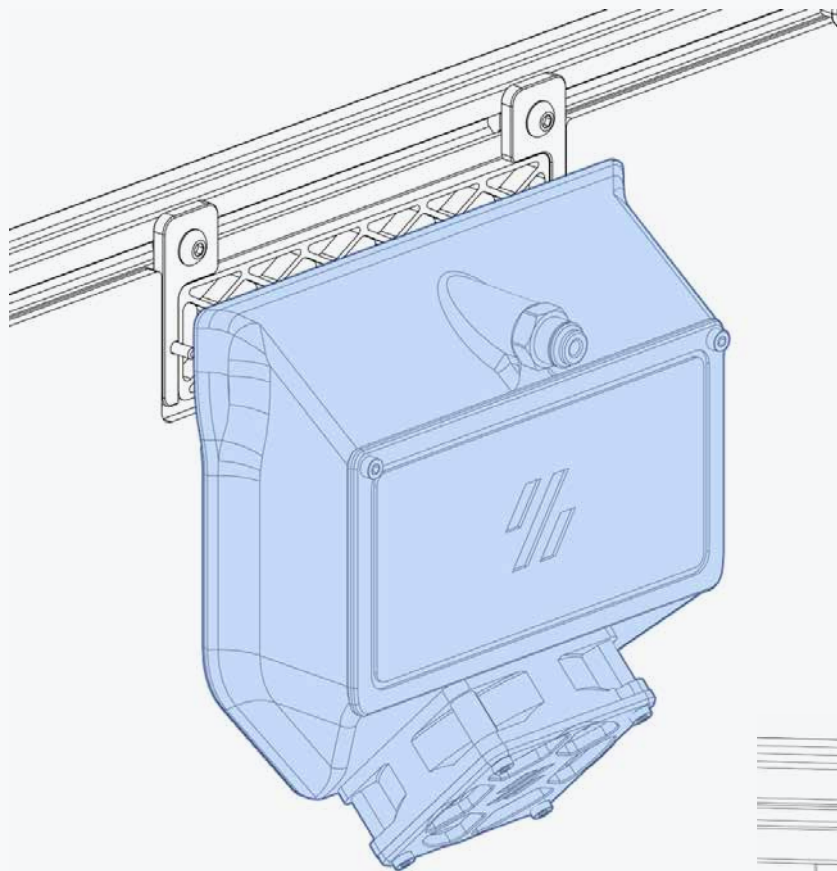
EXHAUST



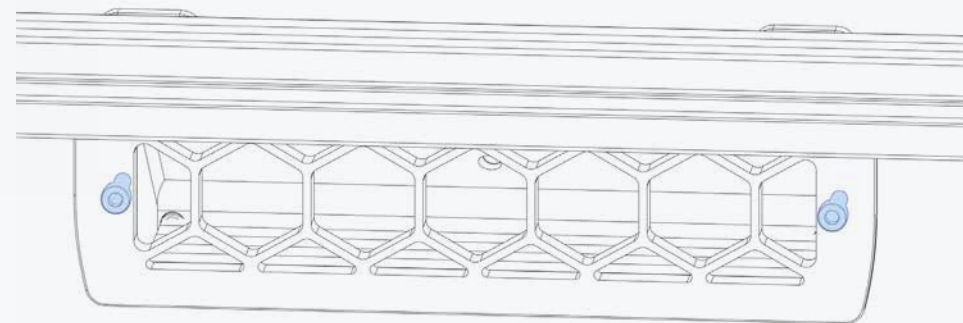
M5x10 BHCS

EXHAUST

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REMOVE TAPE BACKING

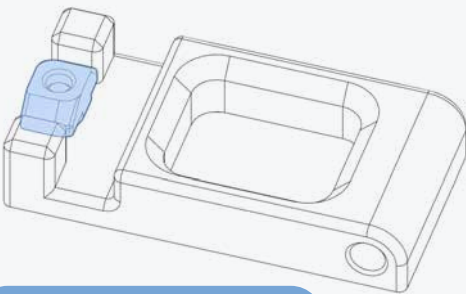
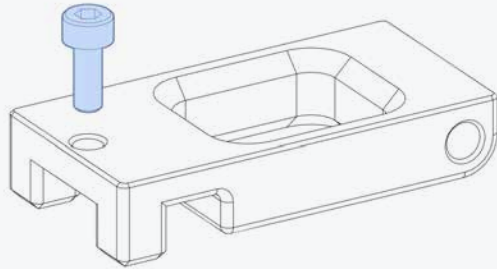


TIGHTEN BOLTS

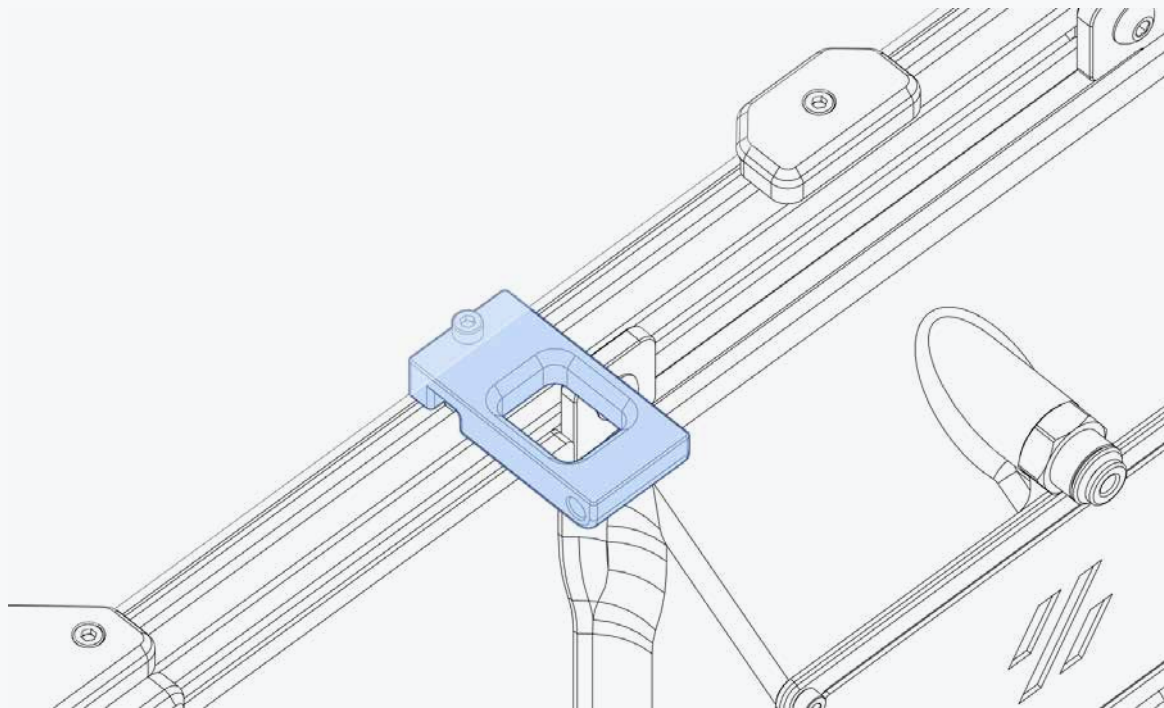
SPOOL HOLDER

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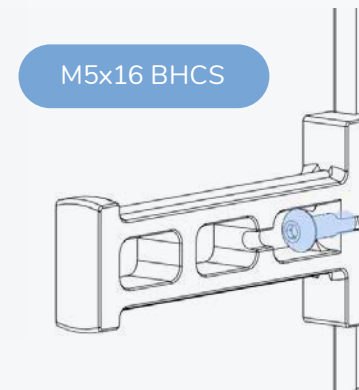
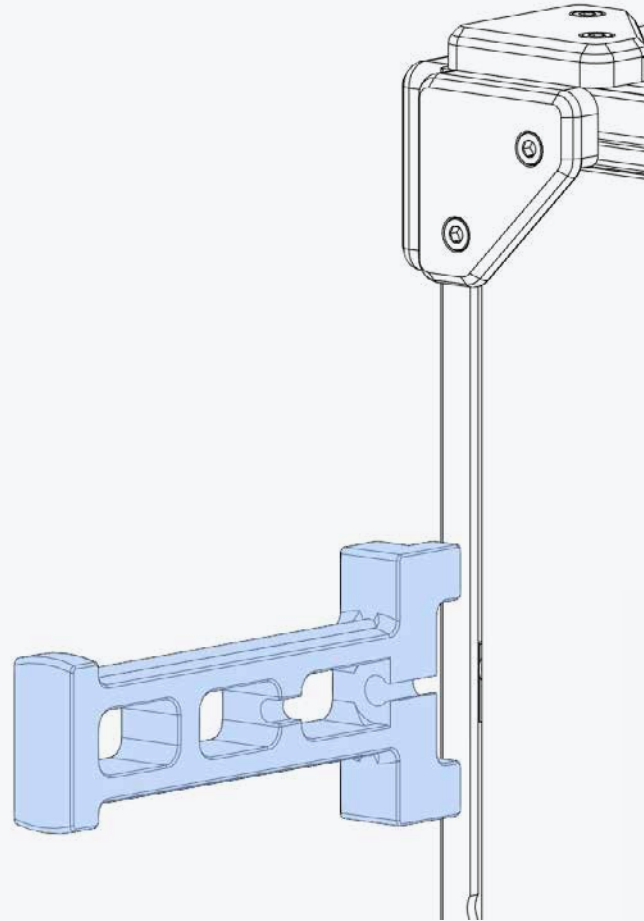
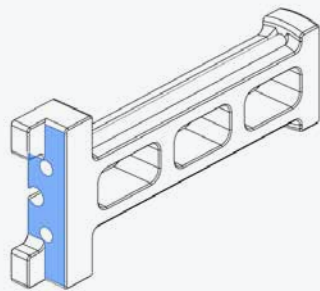
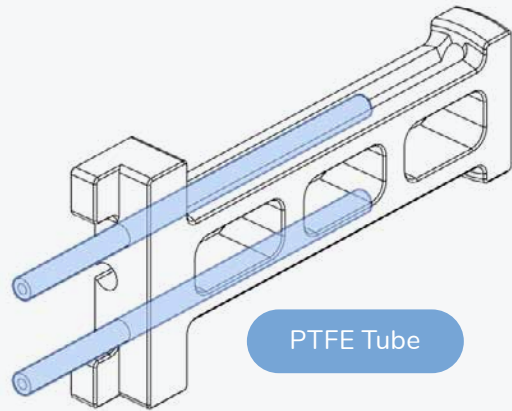
M3x8 SHCS



M3 Hammerhead Nut



SPOOL HOLDER



Voron Documentation

Welcome to the world of Voron 3D printers!

This is the Voron Documentation site. All of the information needed to go from zero to a working Voron printer can be found here.

If this is the first time building a Voron printer (especially if this is the first 3D printer), it is strongly suggested to build 100% to spec using the documentation provided here. The spec configurations have been tested extensively and are well supported.



Credits

This site uses [Just the Docs](#), a documentation theme for Jekyll.