

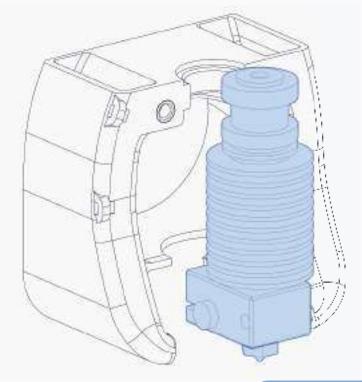
Heat Set Insert

# **AVAILABLE MOUNTS**

We also provide mounts for other hotends.

They are assembled in a similar manner.

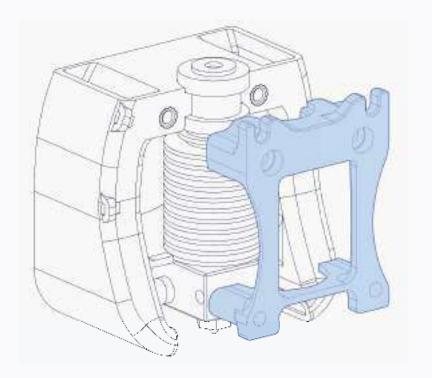




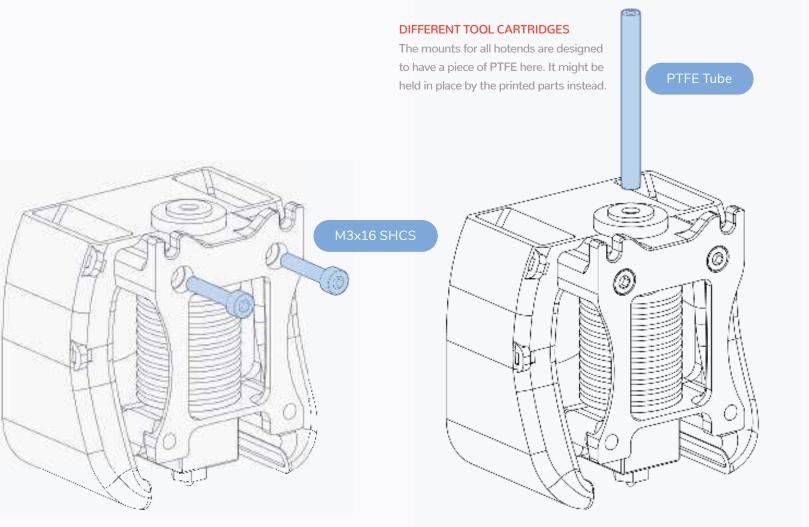


# **HEATER AND SENSOR**

We do not show the heater and temperature sensor cartridge in the drawing. Install them prior to assembling the toolhead.



152

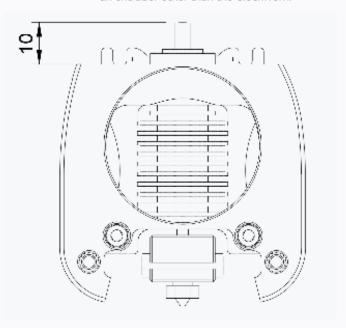


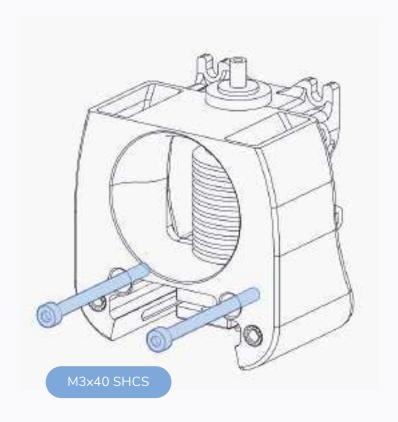


# PTFE STICKOUT

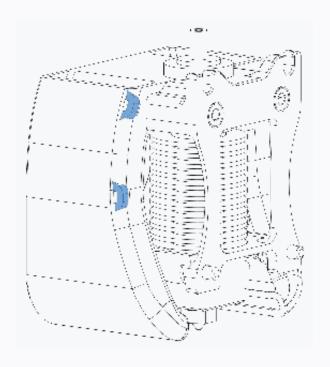
The PTFE tube should end 10mm above the surface of the printed part.

The stick out length might vary if you use an extruder other than the Clockwork.



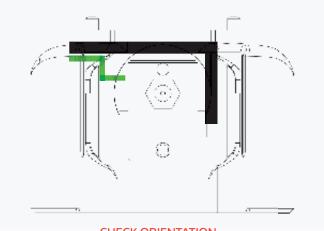






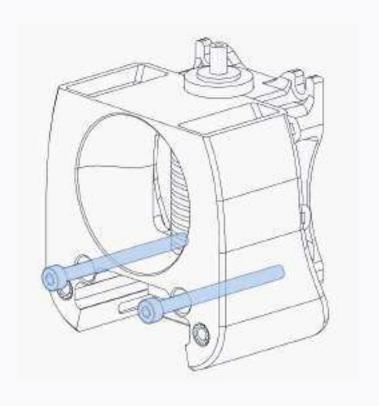
# WIRING PATH

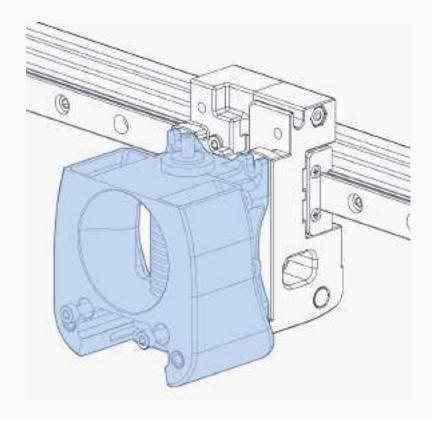
Guide the wires in the highlighted path.

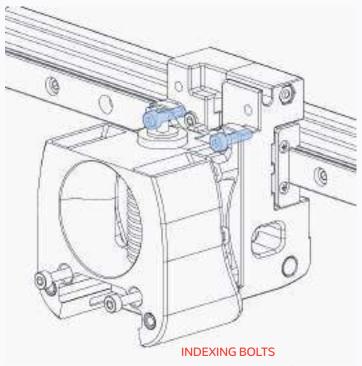


# **CHECK ORIENTATION**

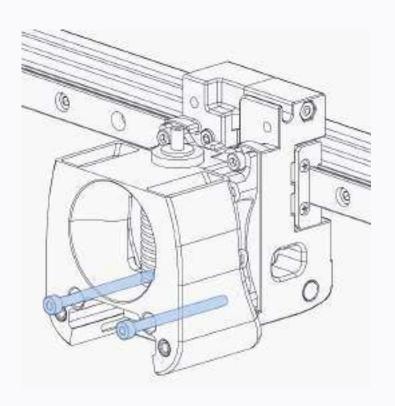
The heater block must point forwards.





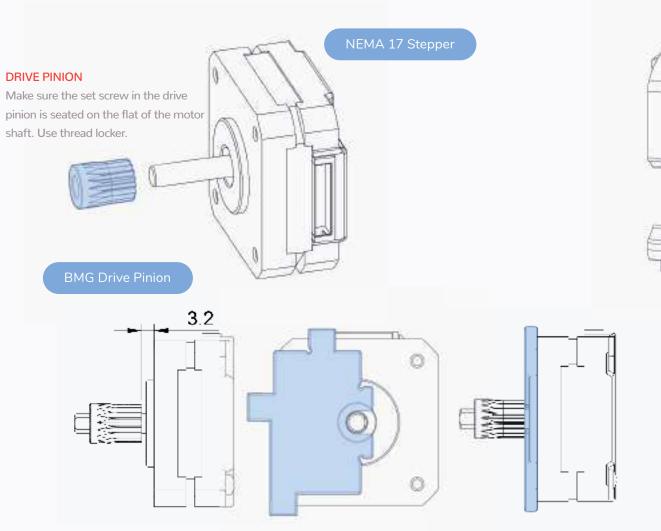


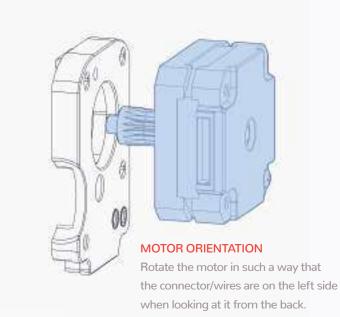
The bolts are used to index the tool cartridge. Leave them slightly loose so that the cartridge can be slid out.





MOTOR PLATE WWW.VORONDESIGN.COM

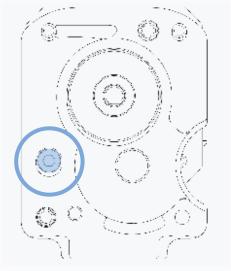




This side will be covered by the cable cover later.

MOTOR PLATE WWW.VORONDESIGN.COM





# ADJUSTABLE MOTOR POSITION

The motor position is adjustable to allow for a proper meshing of the drive gears.

Start in the topmost position of the slot.



DRIVE GEAR WWW.VORONDESIGN.COM



Make sure the set screw in the filament drive gear is seated against the notch in the shaft. Carefully tighten the set screw, the head is easy to strip.

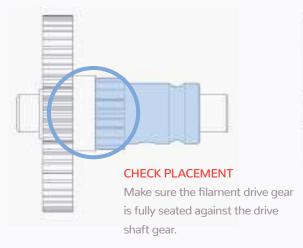


### **CHECK BEARING FIT**

The bearings must slip on and off the shaft easily to allow the gear to self-centre. Do <u>not</u> shim into position.

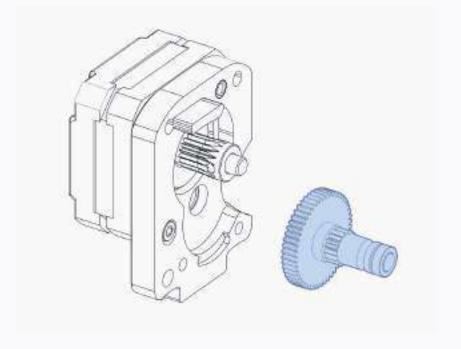
Pressing the bearings on the shaft will damage them.

Lightly sand the shaft if required.

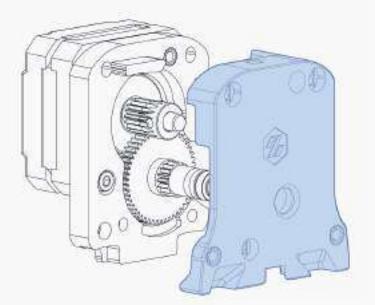




https://voron.link/p0xac5e



# MAIN BODY



WWW.VORONDESIGN.COM

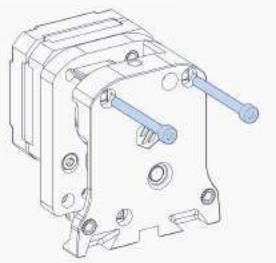
M3x30 SHCS

# **CHECK FOR CLEARANCE**

The drive shaft must not touch the motor housing.

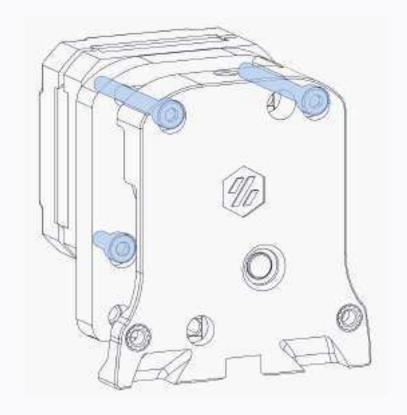
Check if the shaft has sufficient clearance when fully seated.

Sand the face of shaft if required.



GEAR LASH CHECK WWW.VORONDESIGN.COM





# **GUIDLER**

# BMG Idler Assembly

# WWW.VORONDESIGN.COM

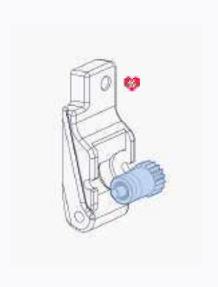
# LUBRICATE BEARINGS

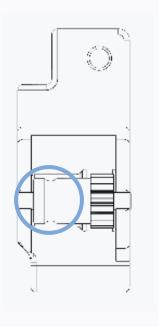
A lubrication film is required to ensure smooth operation and longevity.

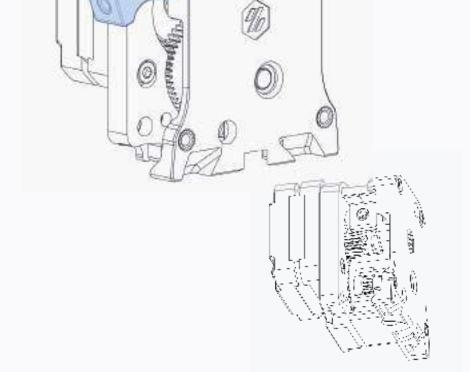
Refer to the BOM for lubricant options - look for a "light grease".



https://voron.link/dncvwdm

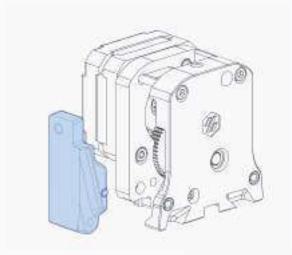


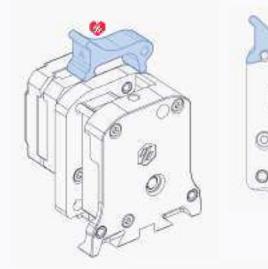


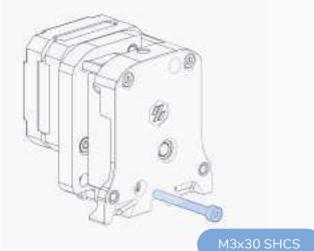


GUIDLER & LATCH

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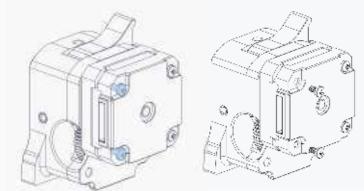






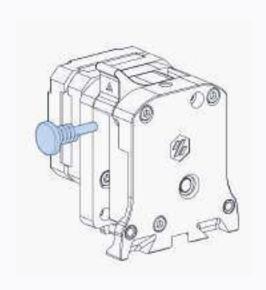
CABLE COVER WWW.VORONDESIGN.COM

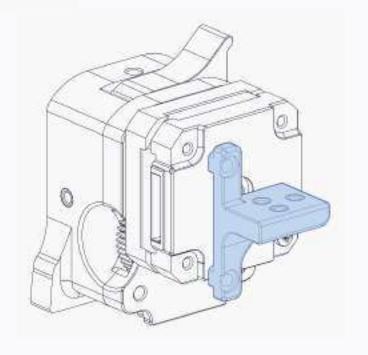


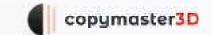


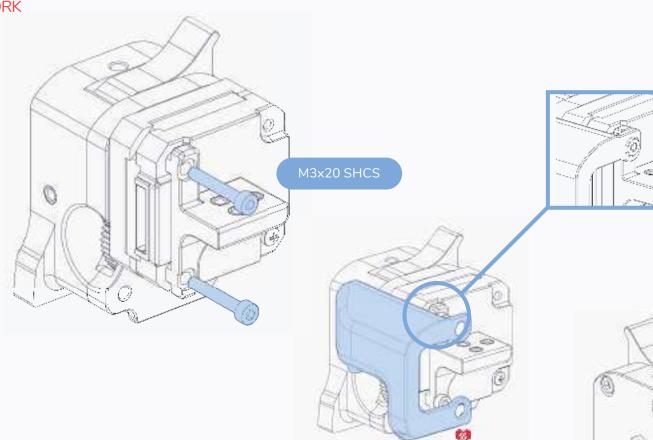
# **REMOVE SCREWS**

Carefully remove the screws from the left side of the motor. They will be replaced with new bolts in the next step.







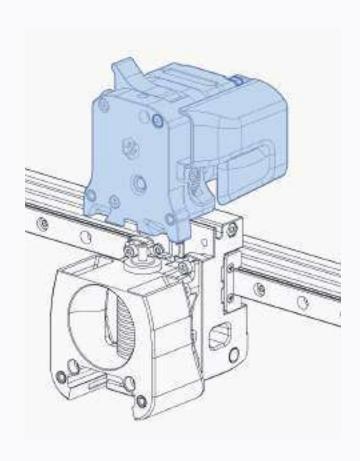


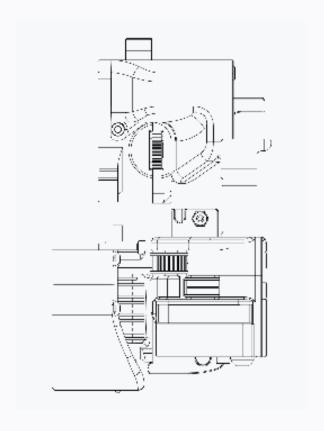
# **OPTION: TOOLHEAD PCB**

If you opted to use a toolhead PCB, skip the wire cover and follow the instructions on page 174.

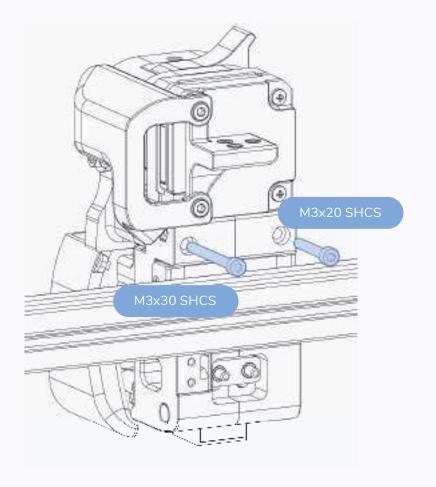


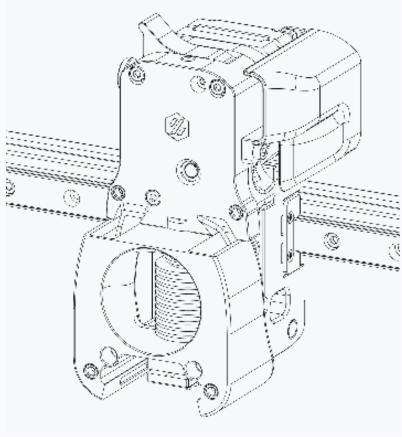
CLOCKWORK WWW.VORONDESIGN.COM

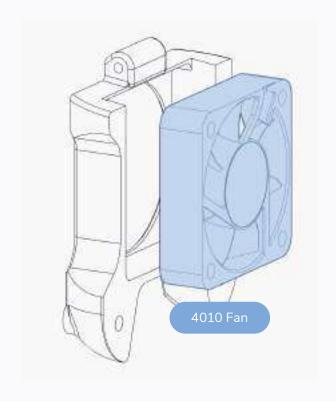


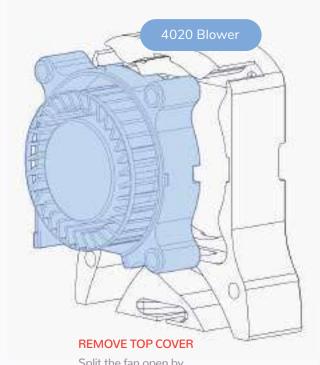


CLOCKWORK WWW.VORONDESIGN.COM







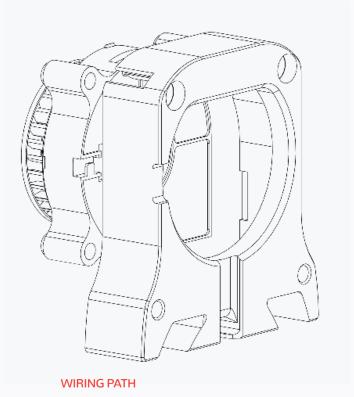


Split the fan open by bending the tabs on the side.

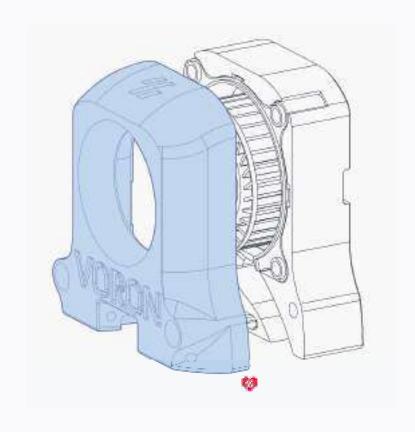


https://voron.link/vyvtcpa

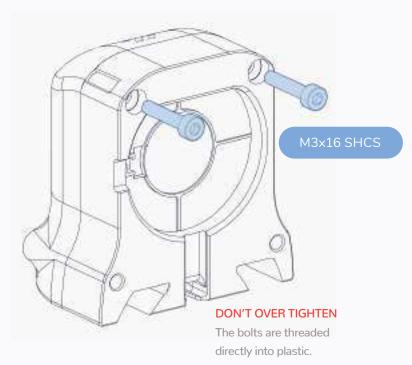


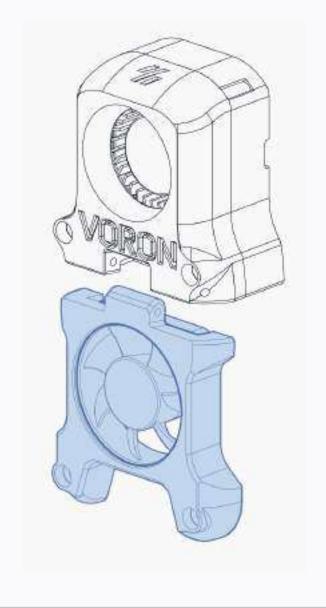


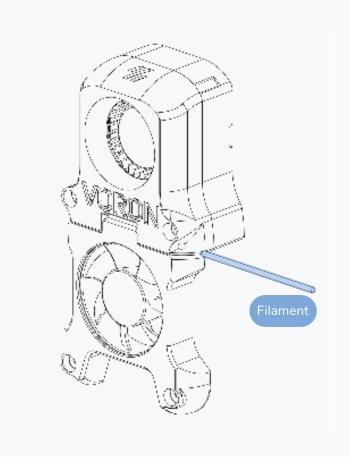
Route the wires through the large opening in the back.

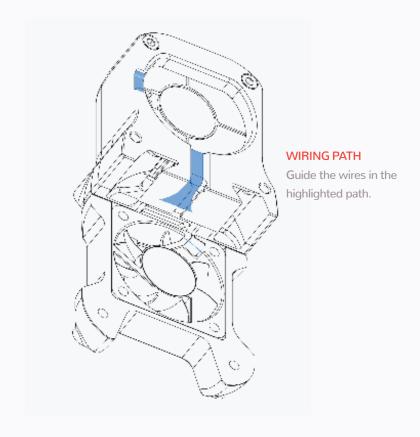


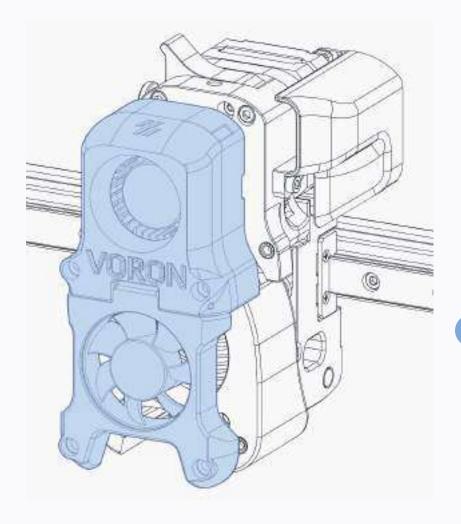


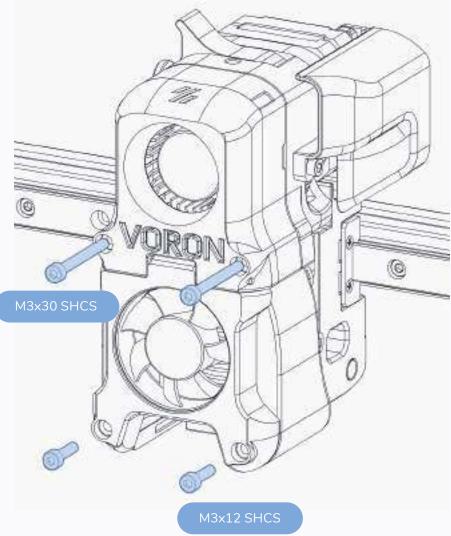








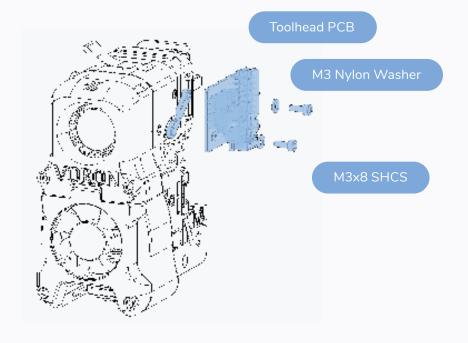




# **OPTION: TOOLHEAD PCB**

If you opted to use a toolhead PCB, install it instead of the cable cover.

While not strictly required the use of plastic (e.g. nylon) washers is recommended.

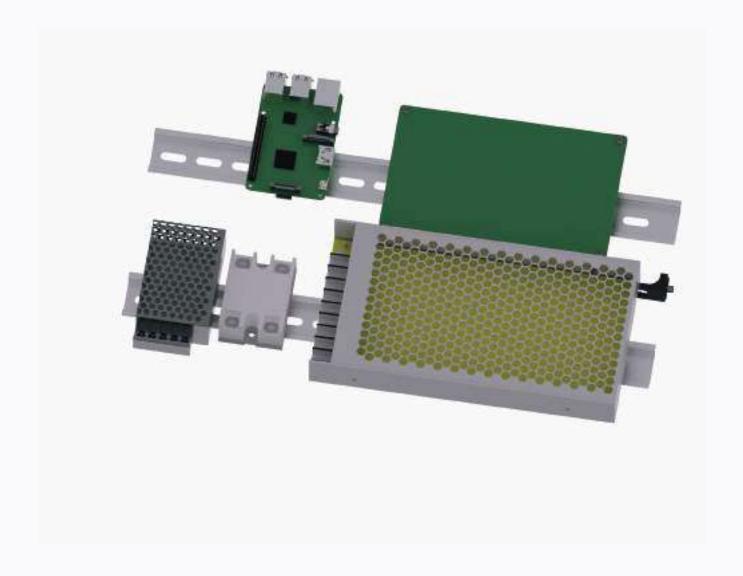


# WWW.VORONDESIGN.COM

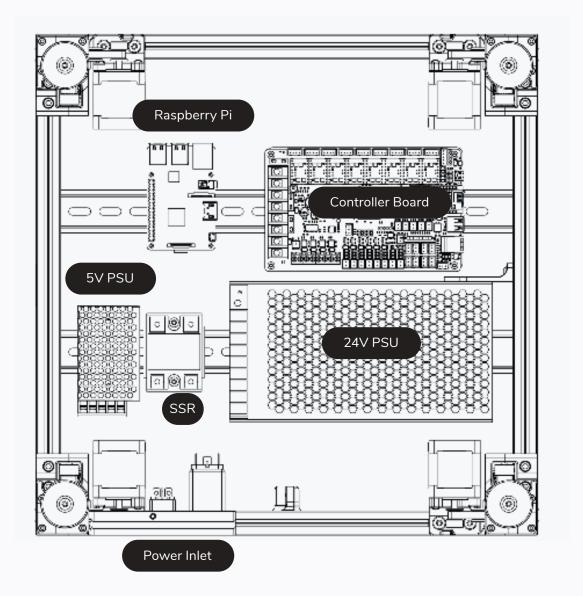
Voron2.1 was released on November 5 2018.



ELECTRONICS WWW.VORONDESIGN.COM

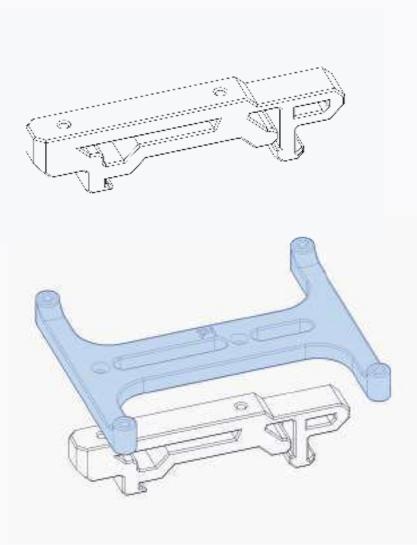


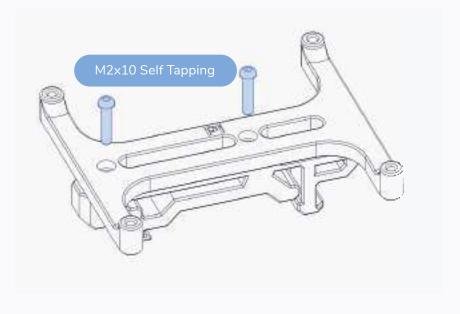
OVERVIEW WWW.VORONDESIGN.COM



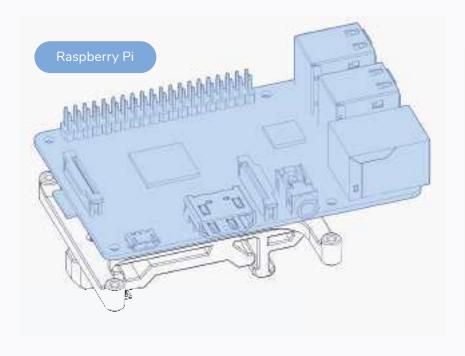


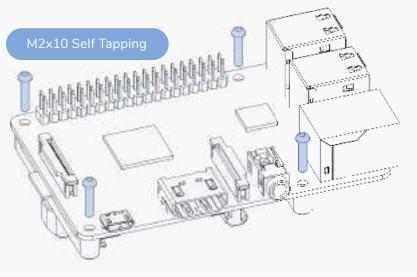
RASPBERRY PI WWW.VORONDESIGN.COM





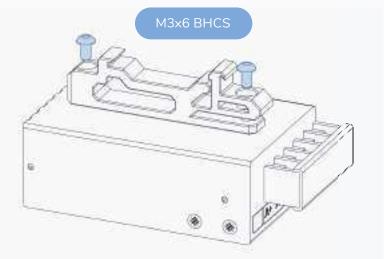
RASPBERRY PI WWW.VORONDESIGN.COM



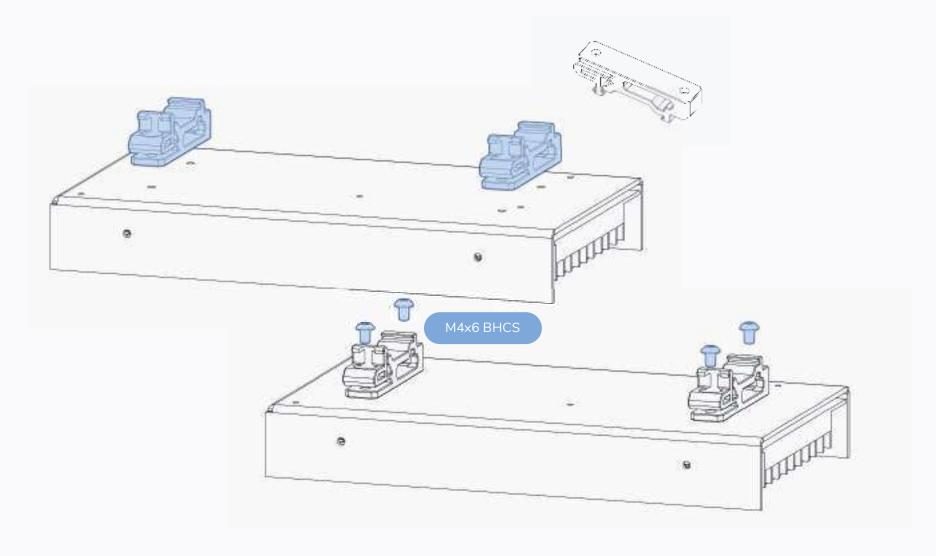


5V PSU WWW.VORONDESIGN.COM

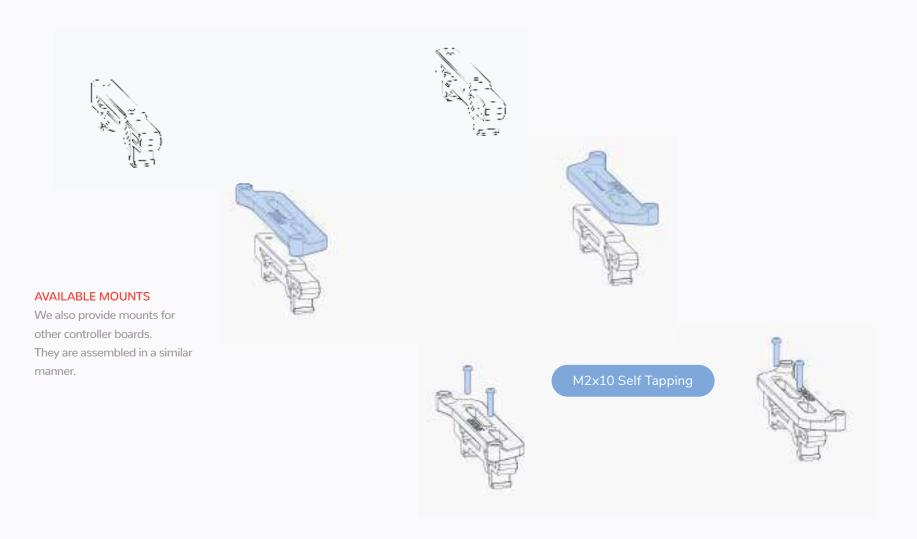




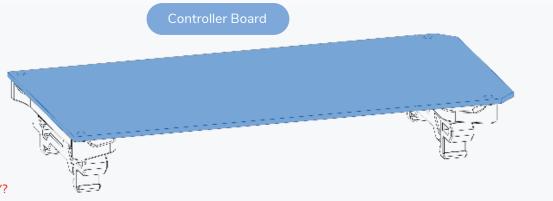
24V PSU WWW.VORONDESIGN.COM



CONTROLLER BOARD WWW.VORONDESIGN.COM



CONTROLLER BOARD WWW.VORONDESIGN.COM



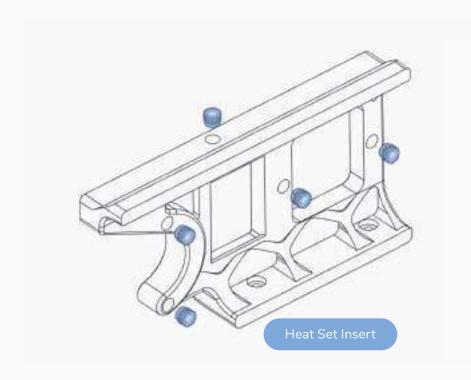
# WHY DOES IT LOOK THAT WAY?

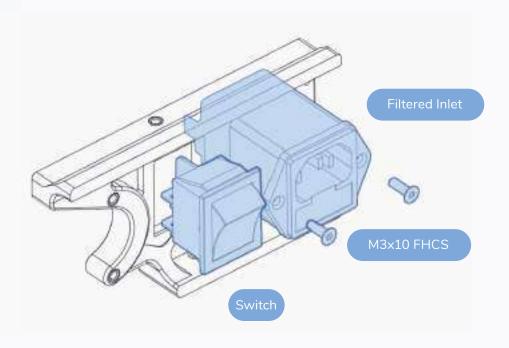
We used a dummy to keep the file size of the printers

CAD manageable. The wiring section will have a fully featured image.

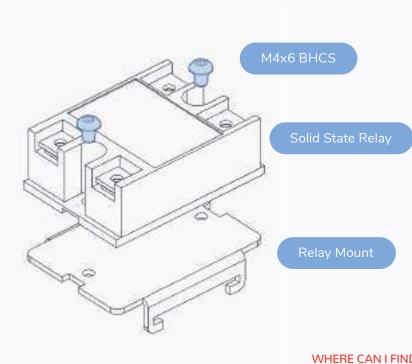


POWER INLET WWW.VORONDESIGN.COM





SOLID STATE RELAY WWW.VORONDESIGN.COM



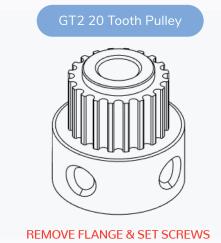
# WHERE CAN I FIND THE RELAY MOUNT?

The SSR mount is an off the shelf part. Look for a metal bracket in your pile of parts.

There is no printed mount.



Z ENDSTOP WWW.VORONDESIGN.COM



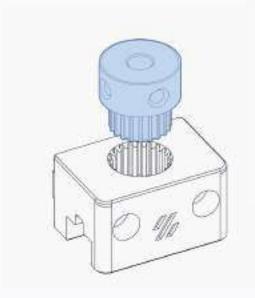
Use a bottle opener or some pliers to remove the top flange.

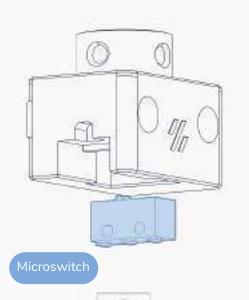


https://voron.link/ict0j6x

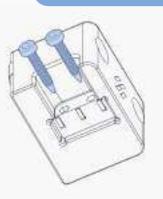
### PRESS FIT

Apply the required force to fully seat the pulley in the printed part.









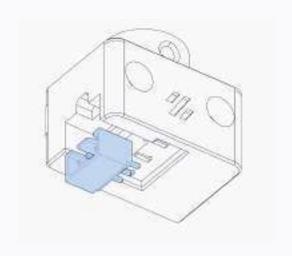
# SWITCH W/OUT LEVER

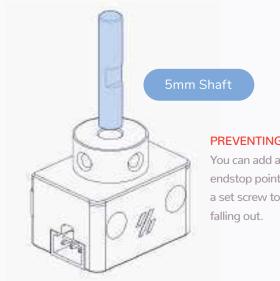
This part requires a switch without lever to be installed in the shown orientation.

You can remove the lever from microswitches by gently pressing on the lever's hinge point.



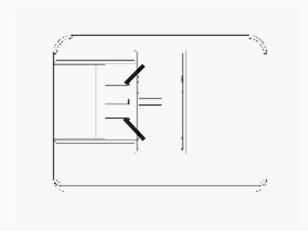
**Z ENDSTOP** WWW.VORONDESIGN.COM





## PREVENTING MISHAPS

You can add a notch to the Z endstop point and capture it with a set screw to prevent it from



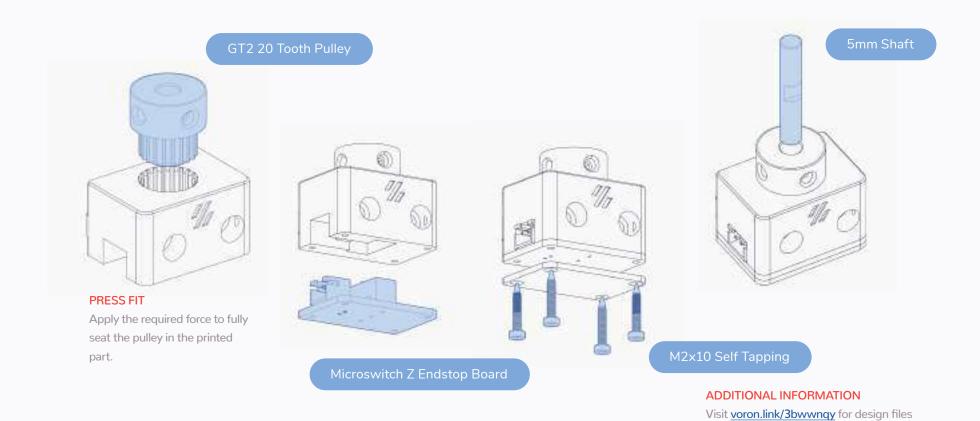
## **SOLDER CONNECTOR**

Solder a connection from the outer two terminals of the microswitch to the connector.



ALTERNATE Z ENDSTOP WWW.VORONDESIGN.COM

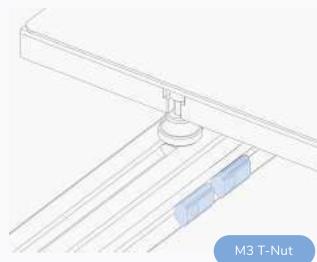
**OPTION: Z ENDSTOP BOARD** 

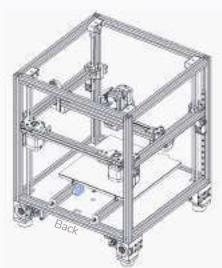


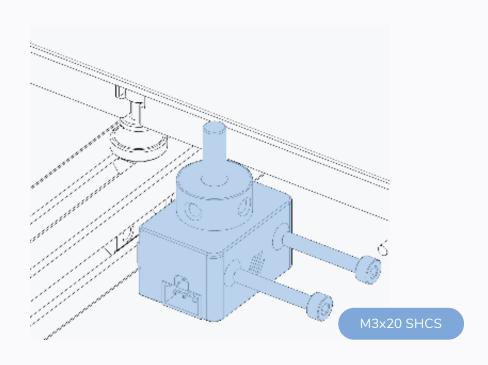


and BOM.

Z ENDSTOP WWW.VORONDESIGN.COM

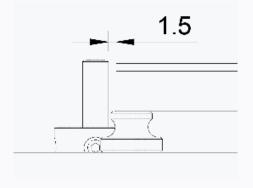




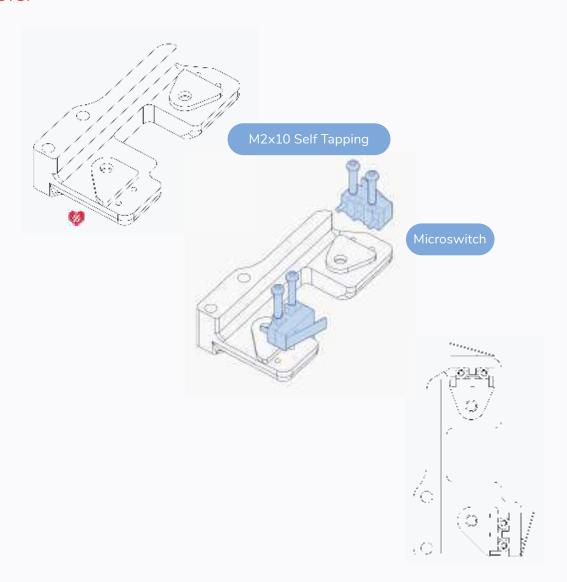


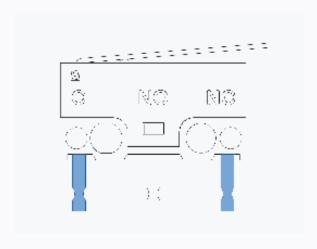
## ADJUST Z ENDSTOP POSITION

The shaft of the Z Endstop must not touch the print bed.
Adjust the position if required.









## **END-STOP SWITCHES FOR X AND Y**

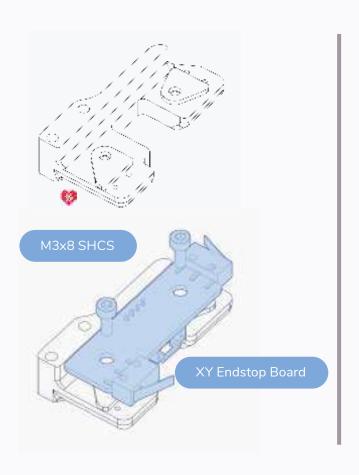
End-stops are wired in a "Normally Closed" configuration.

On microswitches those are the 2 outer terminals indicated by C and NC.

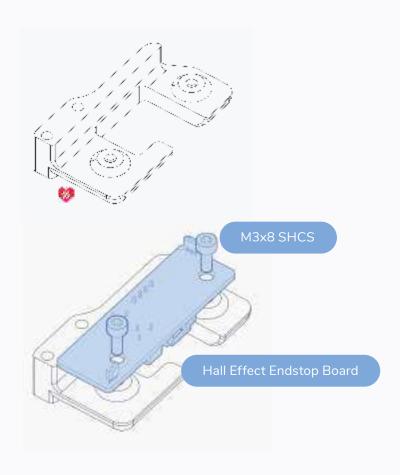
Prepare the switches for X and Y by soldering 150mm of wire to each of the outer terminals.

ALTERNATE X/Y ENDSTOPS WWW.VORONDESIGN.COM

## OPTION: XY ENDSTOP BOARD

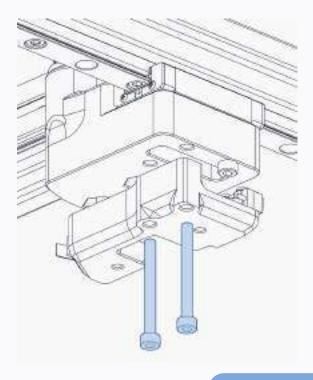


## OPTION: HALL EFFECT ENDSTOP BOARD

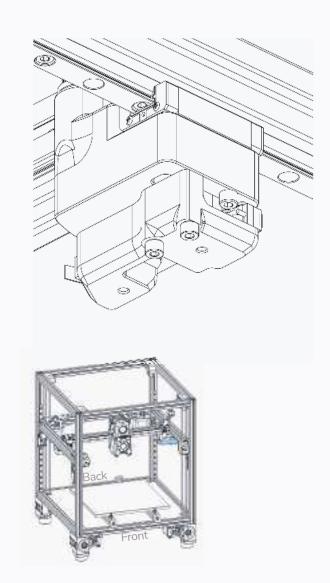




X/Y ENDSTOP WWW.VORONDESIGN.COM



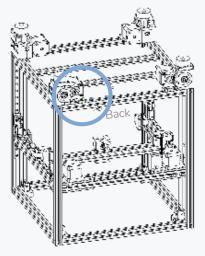
M3x30 SHCS

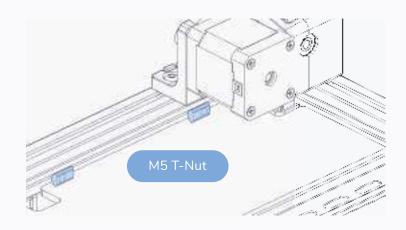


# **ALTERNATE MAINS DISTRIBUTION - WAGO**

# WWW.VORONDESIGN.COM





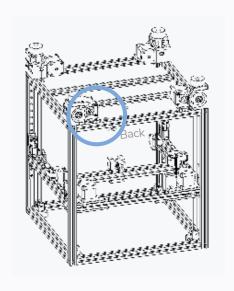


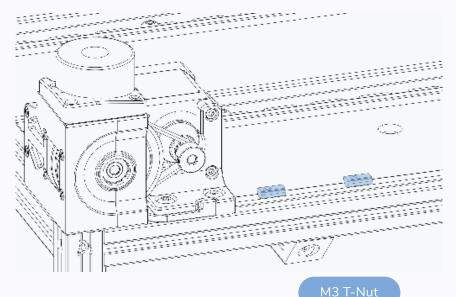


POWER INLET WWW.VORONDESIGN.COM

#### **UPSIDE DOWN ASSEMBLY**

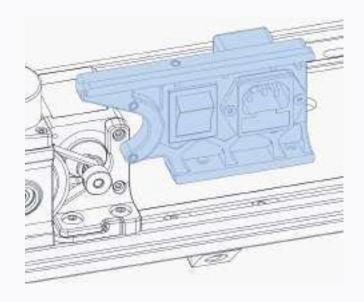
For ease of assembly we recommend to flip the printer on its head for the next steps. Hope you don't regret building a 350.

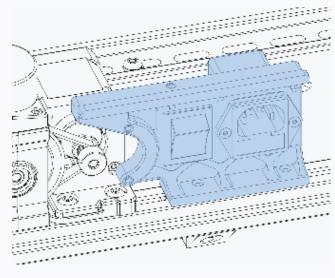


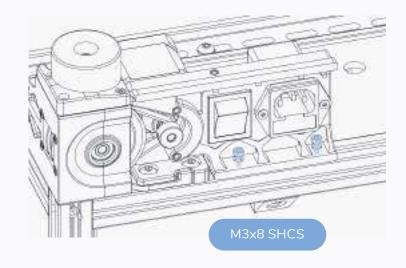




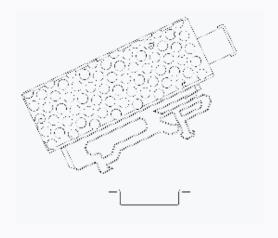
POWER INLET WWW.VORONDESIGN.COM

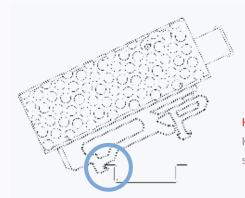






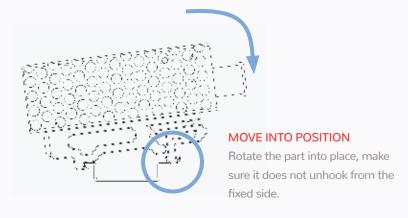
DIN RAIL MOUNTS - HOW TO WWW.VORONDESIGN.COM

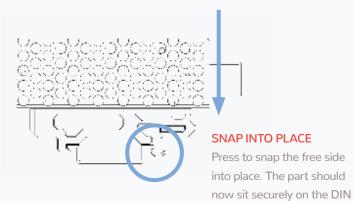




## **HOOK FIXED SIDE**

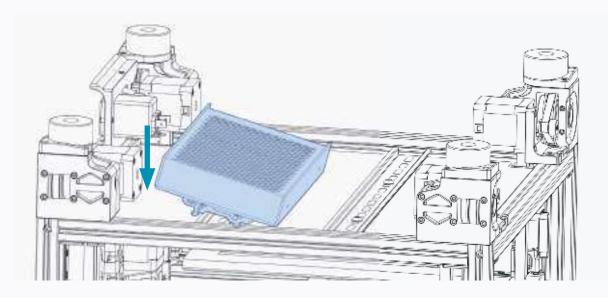
Hook the fixed side of the printed mount on side of DIN rail.

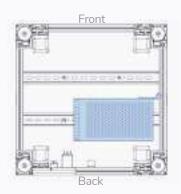


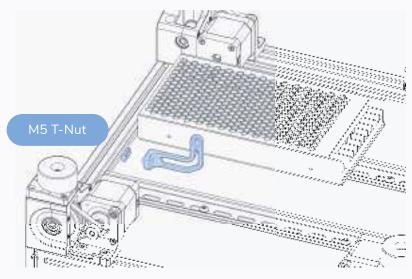


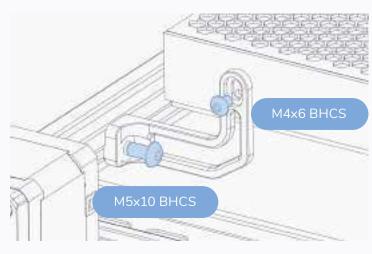
rail.

24V PSU WWW.VORONDESIGN.COM



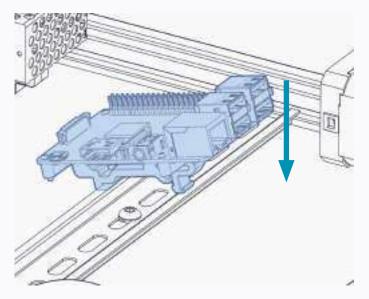


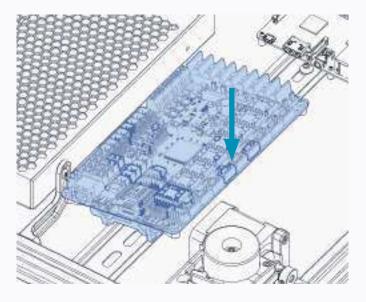


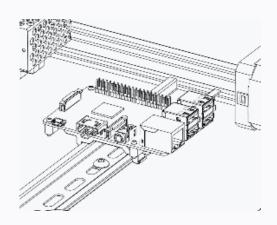


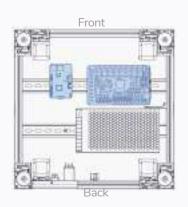


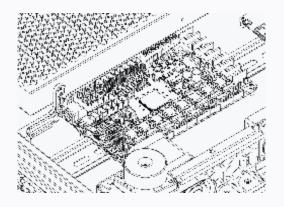
PI & CONTROLLER WWW.VORONDESIGN.COM





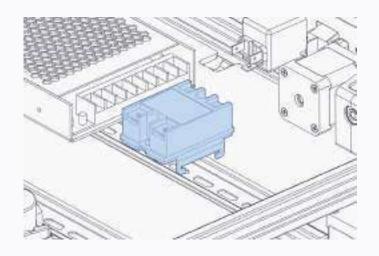


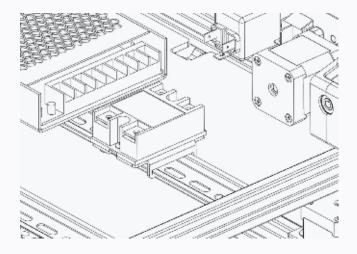


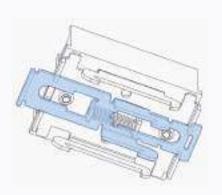


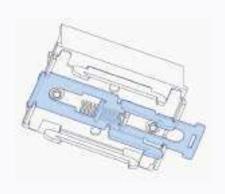


SOLID STATE RELAY WWW.VORONDESIGN.COM





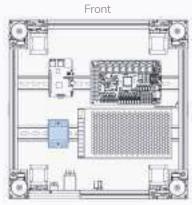




## SPRING-LOADED

Use a flat head screw driver to pull the latch open. It will lock open.

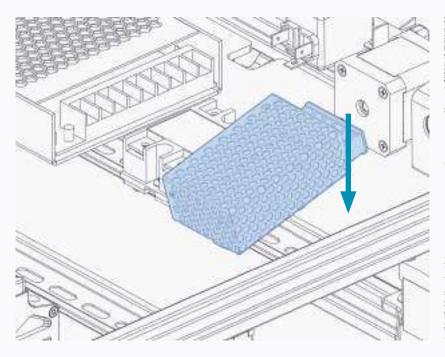
Be careful when releasing the latch, it will snap back into place. Mind your fingers.

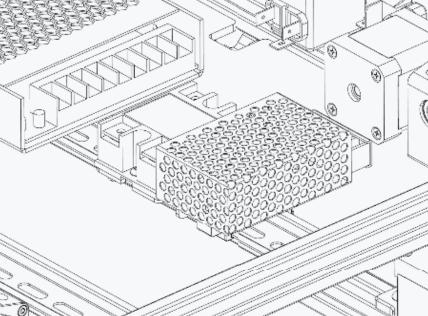


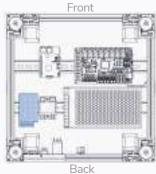
Back



5V PSU WWW.VORONDESIGN.COM





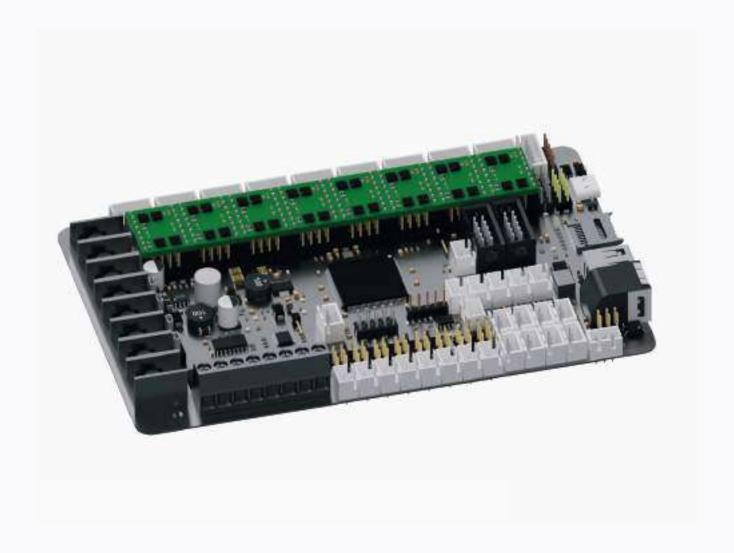


# WWW.VORONDESIGN.COM

By Feburary 2019 over 100 Voron2 printers had been built and serialized.



CONTROLLER BOARD WWW.VORONDESIGN.COM



CONTROLLER BOARD WWW.VORONDESIGN.COM

#### **CONTROLLER BOARD**

The assembly manual will outline the wiring for a Bigtreetech Octopus V1.1 board. You can find additional documentation and alternative configurations on docs.vorondesign.com

#### **JUMPERS**

Several jumpers need to be configured on the controller board. We will begin by removing all the JUMPERS from the controller board (MCU).

- 1) Remove the jumpers in the "driver sockets".
- 2) Remove all the jumpers in the "DIAG" header when using microswitch or Hall Effect endstops.
- 3) Remove the "USB 5V power supply" jumper to avoid the interaction between the USB 5V of Raspberry Pi and the 5V of the MCU.
- G 0000 5 5 0000 5 5 0000 (aliabatetetatata) ....
- 4) Remove all the jumpers on the "Fan Voltage Selection" headers so that you can set the correct supply voltage.
- 5) Remove the jumper in "Probe Voltage Selection" header so that you can set it to the correct supply voltage.

Diagram courtesy of @GadgetAngel

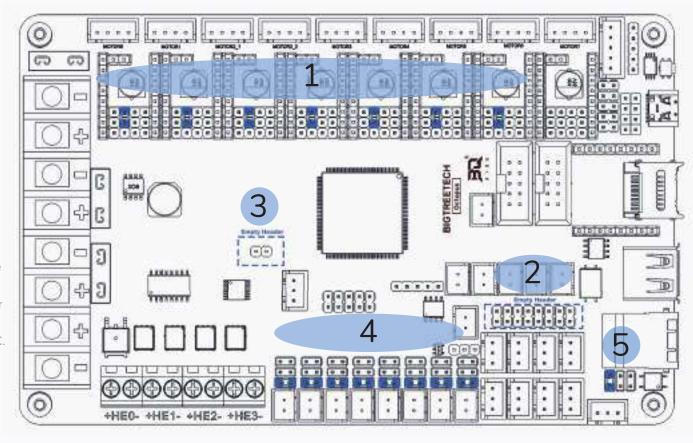


#### **JUMPERS**

Several jumpers need to be set on the MCU.

Add the following JUMPERS to the controller board (MCU).

- 1) Set the jumpers in the "driver sockets" as shown to set TMC2209 UART mode.
- 2) Ensure all the jumpers in the "DIAG" header are removed.
- 3) Ensure the Power Selection header is empty.
- 4) Set the Jumpers for the "Fan Voltage Selection" header so they match your fan's voltage. Shown here are the settings for 24VDC.



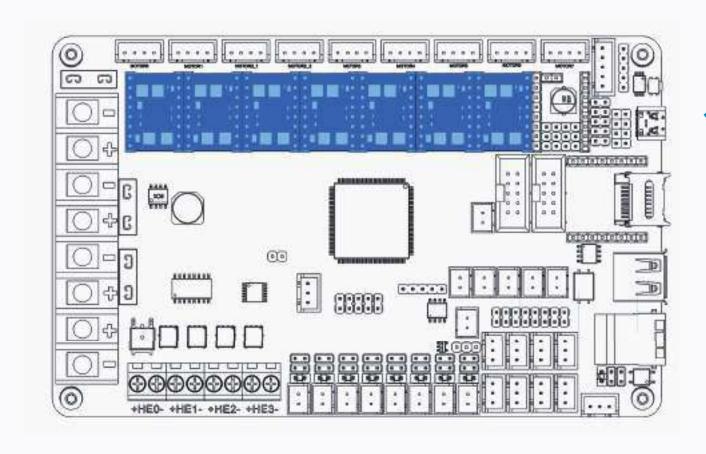
5) Set the jumper in "Probe Voltage Selection" header to 24VDC.

Diagram courtesy of @GadgetAngel

204



STEPPER DRIVERS WWW.VORONDESIGN.COM



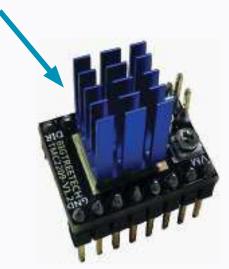


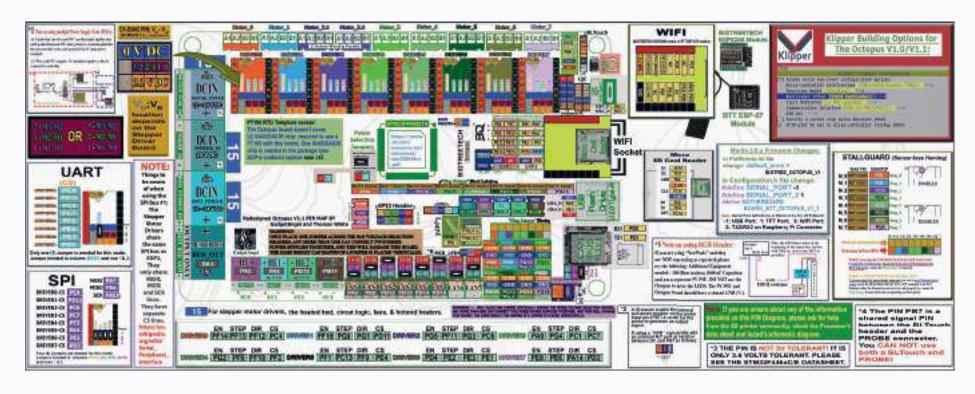
Diagram courtesy of @GadgetAngel



CONTROLLER BOARD WWW.VORONDESIGN.COM

#### OCTOPUS PINOUT REFERENCE

This Coloured PIN diagram can be found on GadgetAngel's GitHub repository for the Octopus V1.1



The original PIN diagram can be found on Bigtreetech's GitHub repository for Octopus V1.1 (preview friendly version)

Diagram courtesy of @GadgetAngel

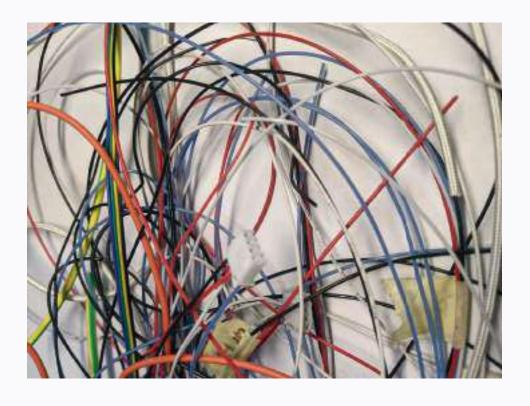


# WWW.VORONDESIGN.COM

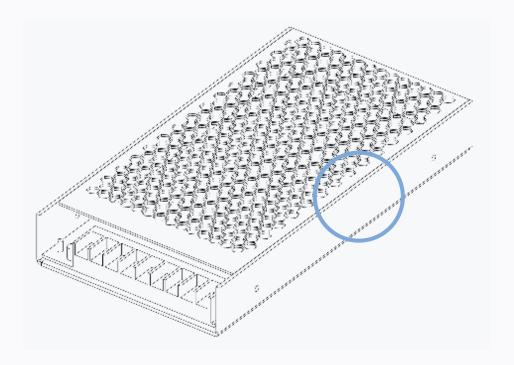
A year later this figure grew to 350 Voron2 printers.



WIRING WWW.VORONDESIGN.COM



PSU VOLTAGE CHECK WWW.VORONDESIGN.COM

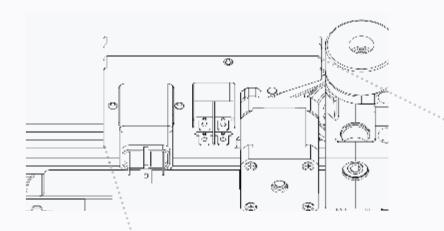


#### INPUT VOLTAGE SWITCH

Check the input voltage switch of the power supply. It is located in the highlighted area.

Make sure the selection matches your local mains voltage. Refer to the Mean Well LRS-200 datasheet for possible settings (voron.link/e0szdyh).

## **POWER INLET**

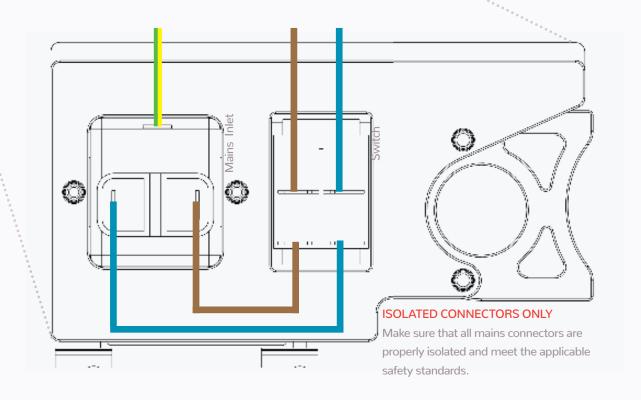


#### MAINS INLET WIRING

We show the wiring in the IEC colour scheme. Depending on your region the colour scheme and wiring standards will differ.

Mains wiring should only be done by qualified personnel trained in local regulations and safety standards. Depending on your local regulations you may be forbidden from wiring the mains side and/or putting the printer into operation; seek professional assistance.

Failure to observe those could result in bodily harm.



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ATTACH 250MM OF WIRE

Cables should be at least 1mm<sup>2</sup> (AWG18) or thicker depending on local regulations.

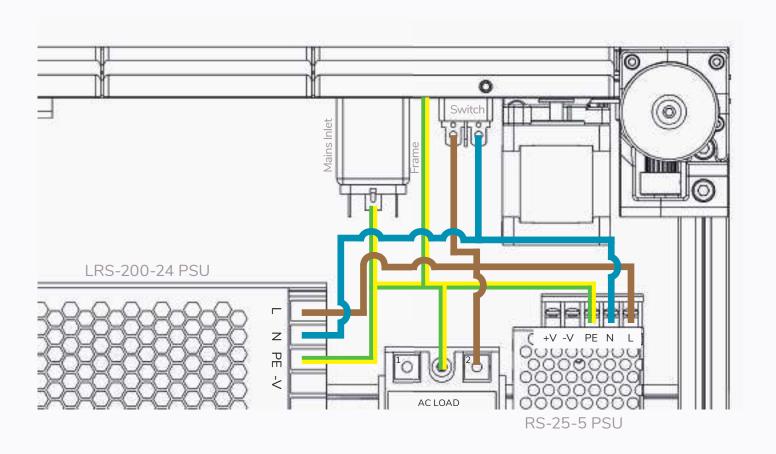
MAINS WIRING WWW.VORONDESIGN.COM

#### MAINS WIRING CONTINUED

Secure the wires with cable clips / cable tie anchors.

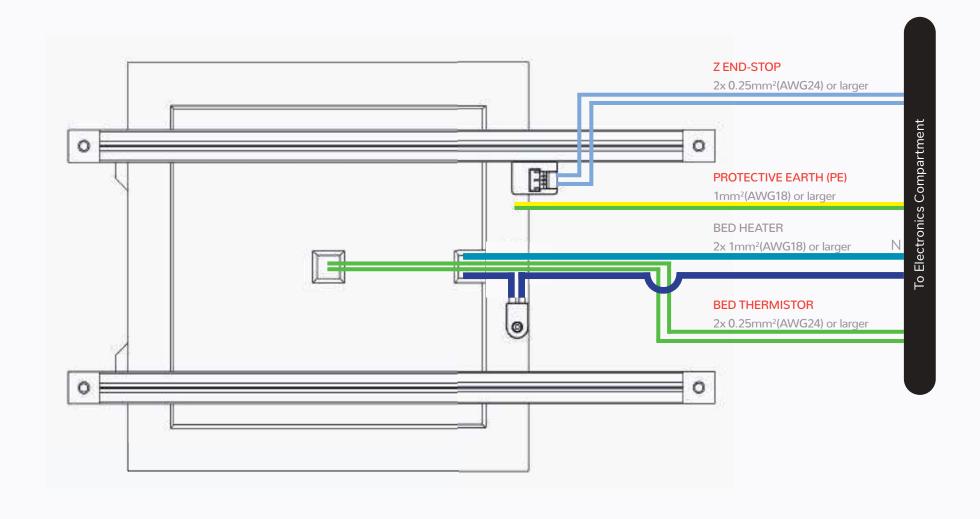
The bed heater is powered by AC voltage and receives its PE in a later step.

Observe your local regulations in regards to the Protective Earth connections for the frame/other components.

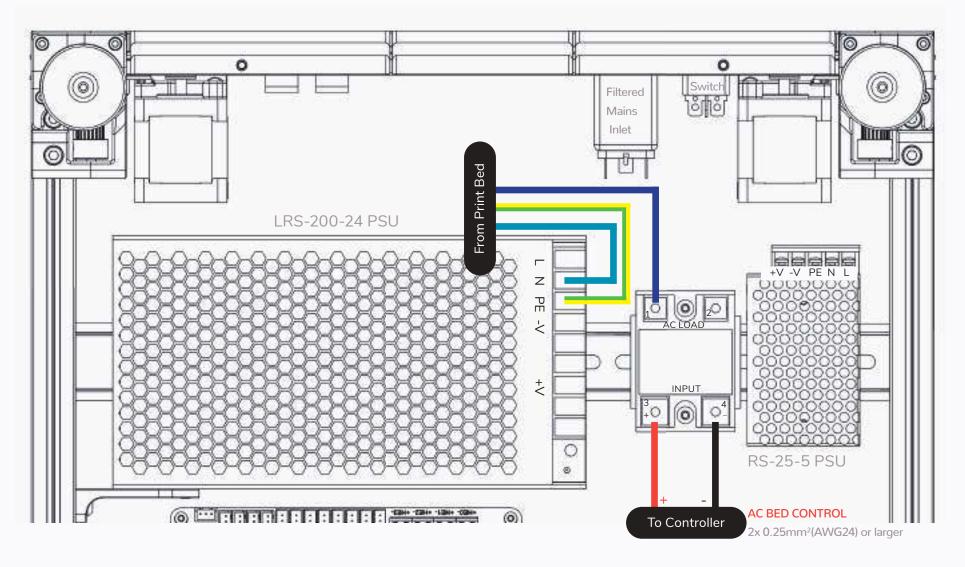




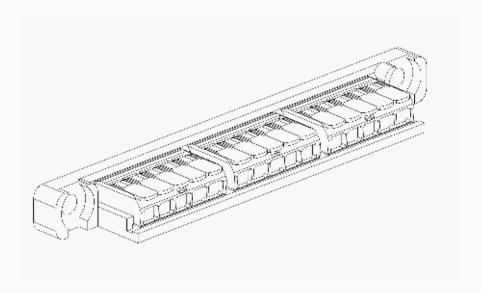
BED CABLE HOOKUP WWW.VORONDESIGN.COM



MAINS WIRING WWW.VORONDESIGN.COM



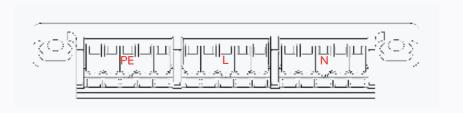


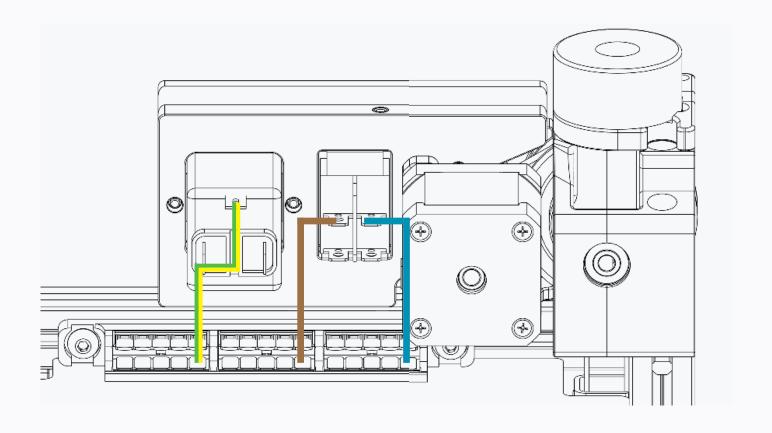


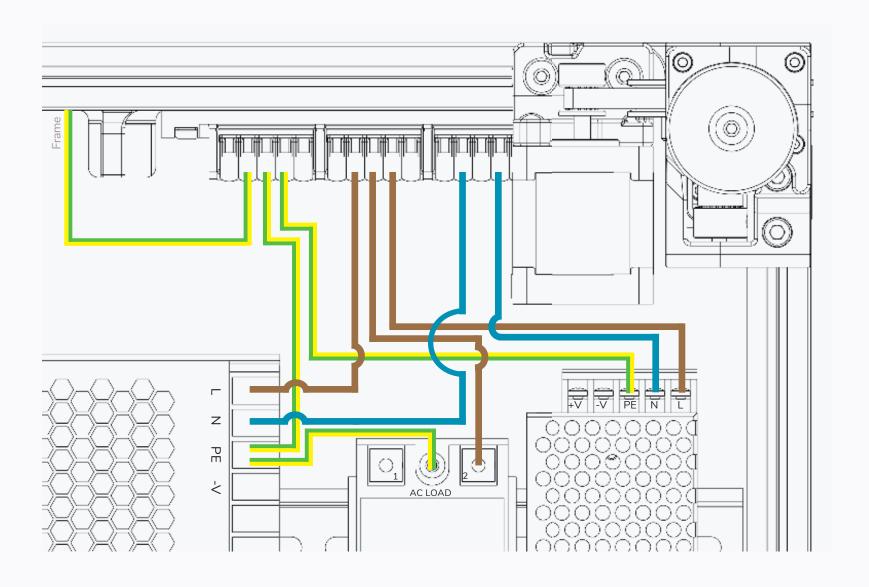
### **OPTION: WAGO CLAMPS FOR MAINS**

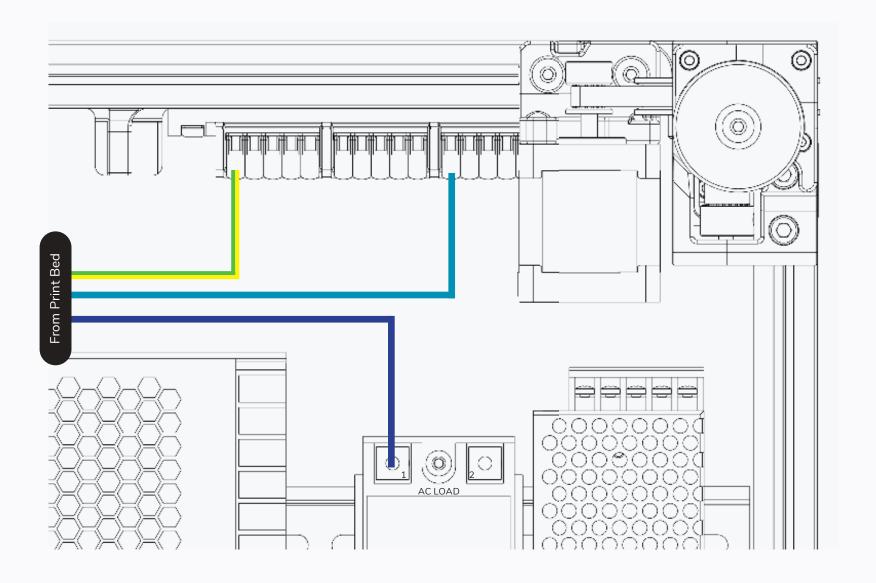
WAGO wire clamps allow for a clean and easy wiring of the mains side.

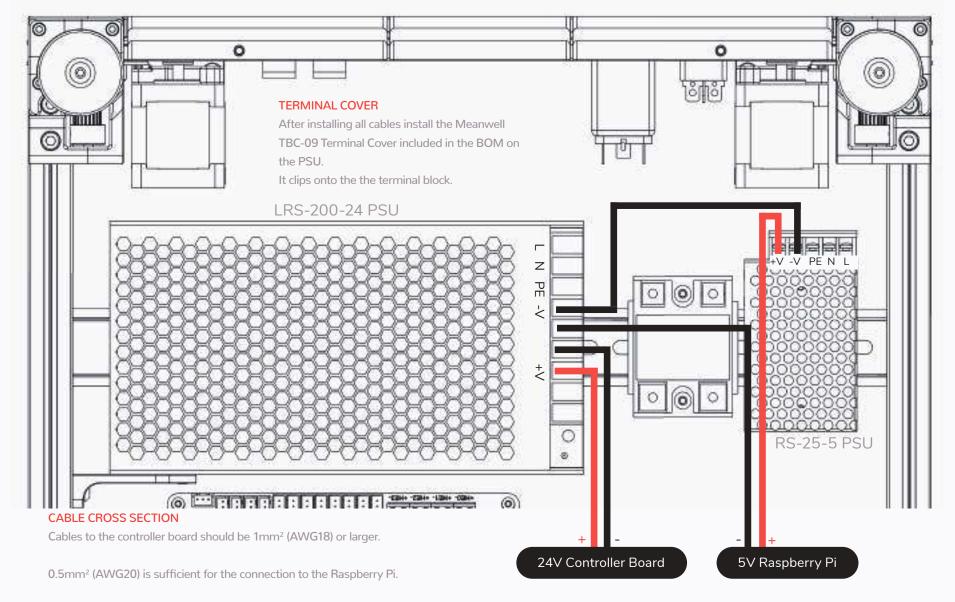
You may want to label your clamps as shown below.



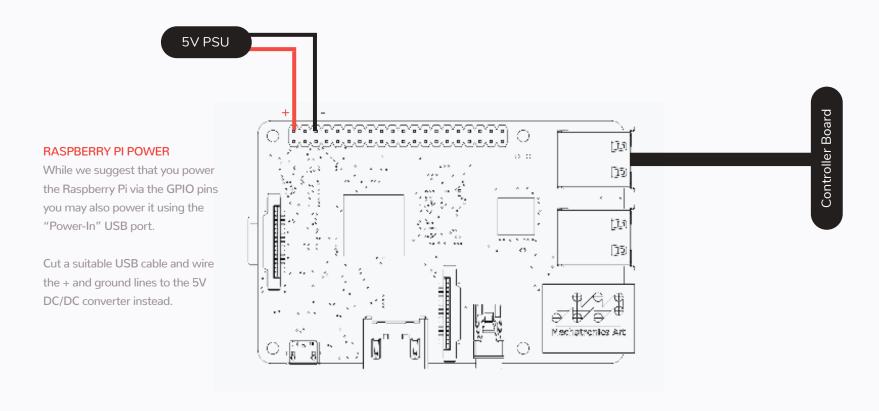








RASPBERRY PI WWW.VORONDESIGN.COM





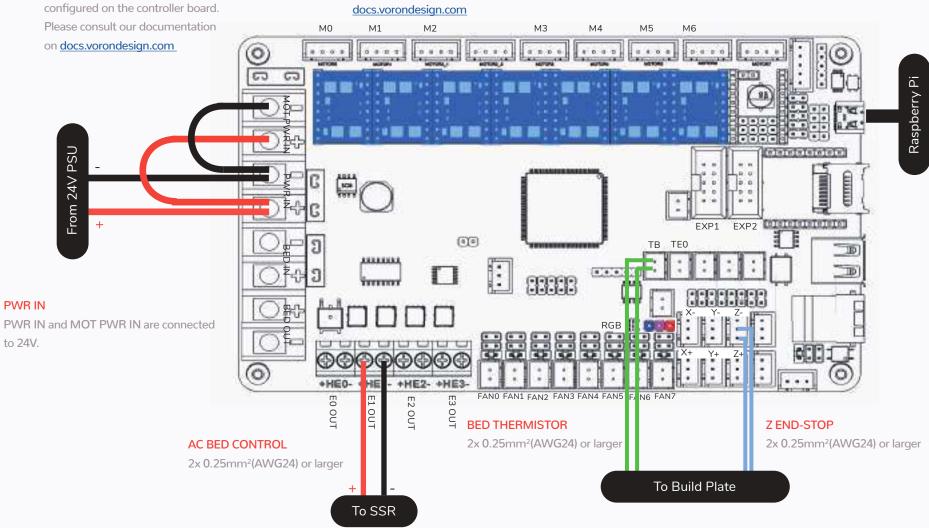
**JUMPERS** 

Several jumpers may need to be

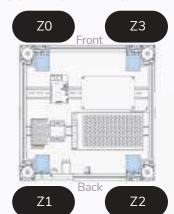
#### **CONTROLLER BOARD**

The assembly manual will outline the wiring for a Bigtreetech Octopus V1.1. You can find additional documentation and alternative configurations on

#### docs.vorondesign.com



## **CONTROLLER BOARD**

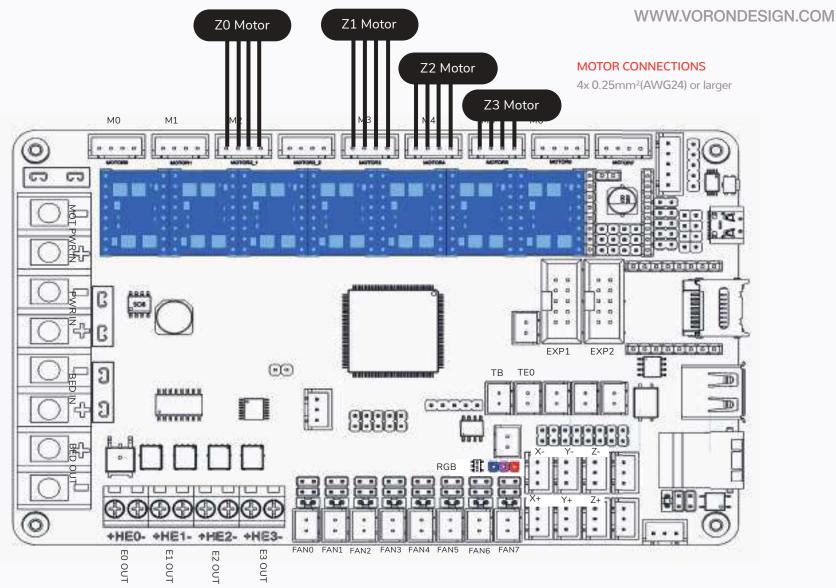


#### **BLACK MOTOR WIRES?**

There is no standardized stepper wire colouring scheme. Each manufacturer implements their wires colours slightly different.

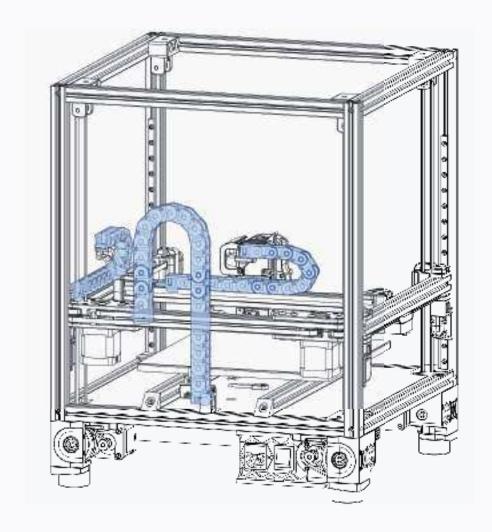
Please consult the datasheet of your stepper motors for the correct order.

If your motors came with plugs it's usually safe to assume that this order is correct.





CABLE CHAINS - OVERVIEW WWW.VORONDESIGN.COM

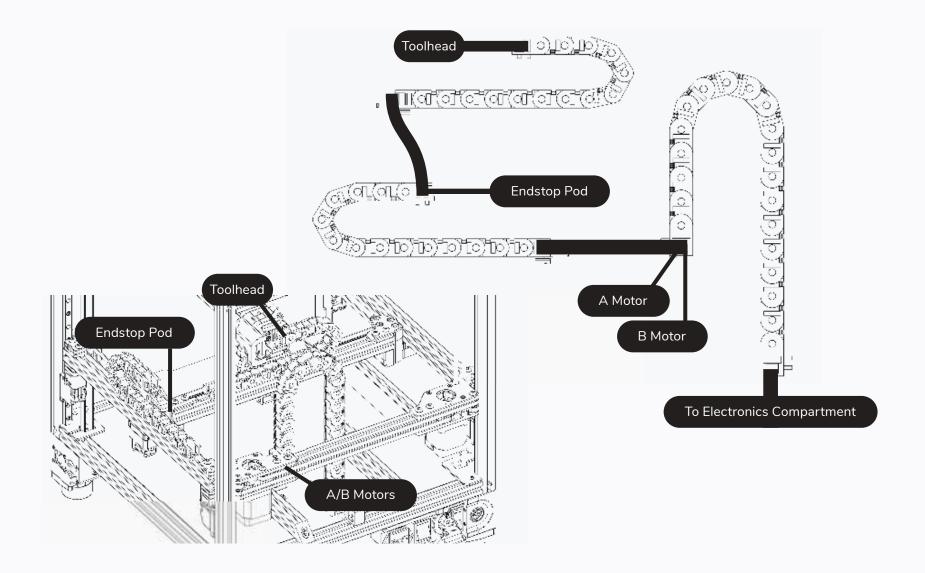


## **CABLE CHAINS INSTALL**

You can opt to install the chains now and fish the wires through the chains or build the complete harness outside of the printer and install it in one go. Either approach does work.

If you sourced a pre-built wire harness completing the harness outside of the printer is recommended.

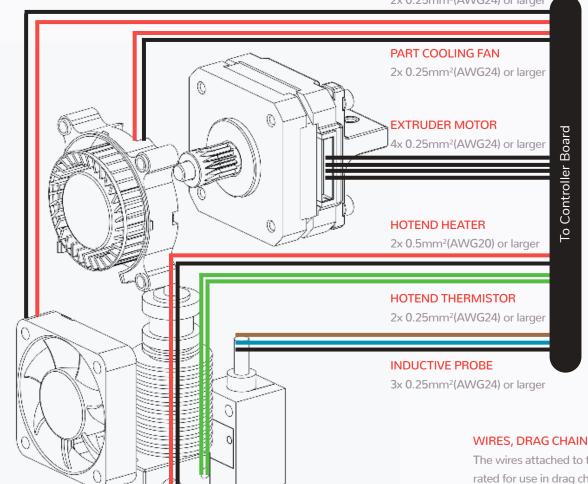
CABLE CHAINS - OVERVIEW WWW.VORONDESIGN.COM





# HOTEND COOLING FAN

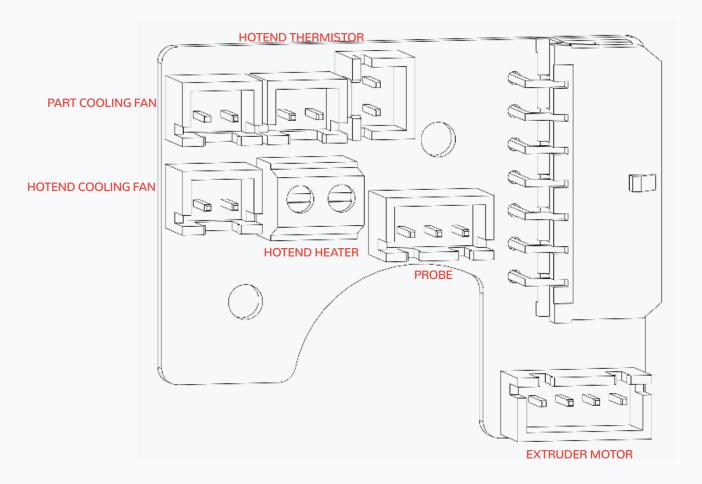
2x 0.25mm<sup>2</sup>(AWG24) or larger



## WIRES, DRAG CHAINS AND CRIMPS

The wires attached to the probe, fans, heater, etc. are usually not rated for use in drag chains.

Add crimp connectors at the toolhead and run suitable wire down the drag chains. Refer to the sourcing guide for options.

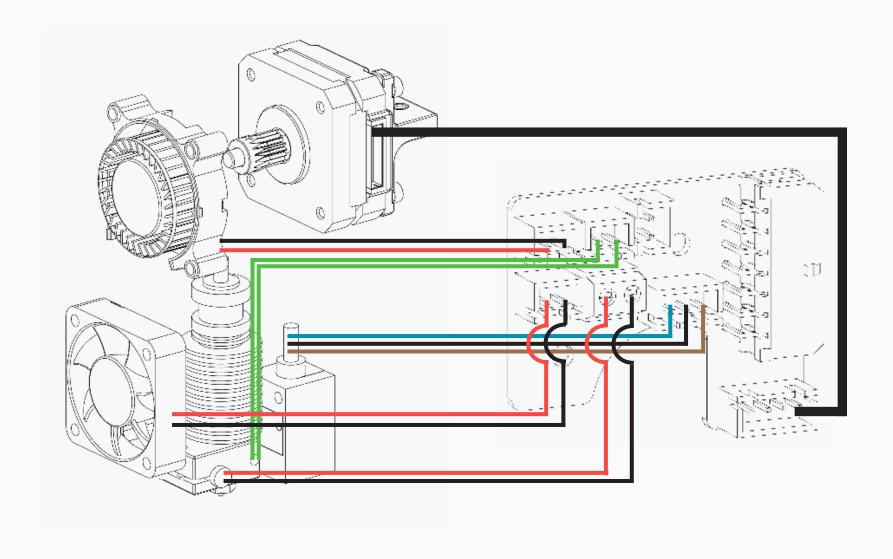


## **OPTION: TOOLHEAD PCB**

The layout of the toolhead pcb changed over the versions. For a full breakdown visit the link below.



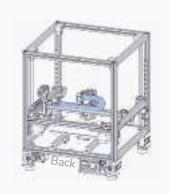
https://voron.link/zopduze



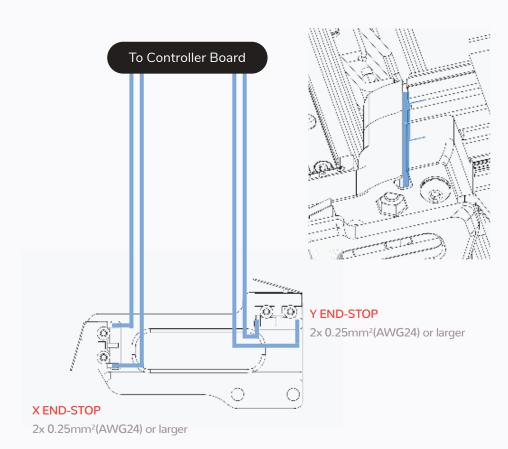
WWW.VORONDESIGN.COM

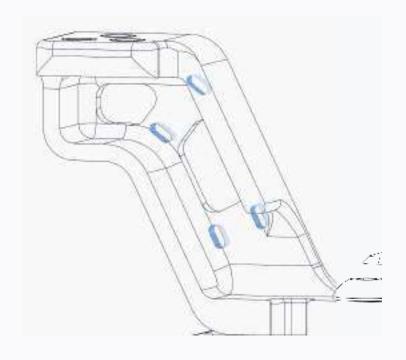










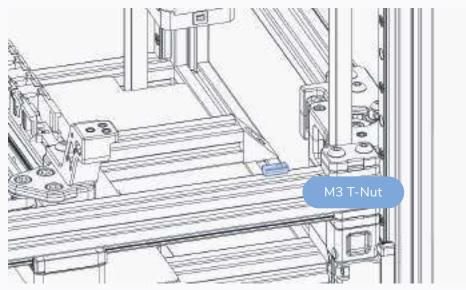


### **ZIP TIE LOOPS**

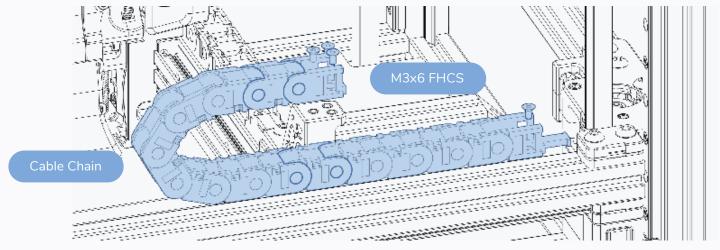
Secure the wire bundle to the strain relief using small zip ties.

## OPTION: ENDSTOP BOARD/HALL EFFECT BOARD

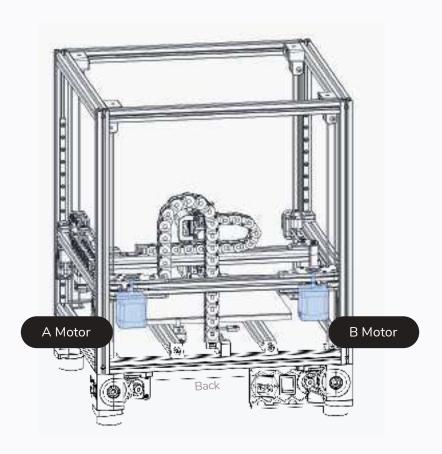
Those boards utilize a 4 pin connector instead. Please refer to <a href="https://voron.link/diphygu">https://voron.link/diphygu</a> and <a href="https://voron.link/d6qb766">https://voron.link/d6qb766</a> for details.







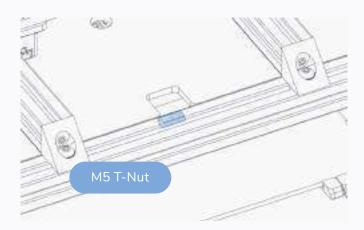


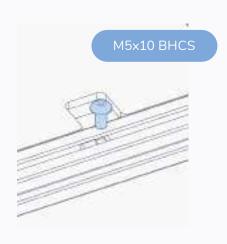


## SECURING MOTOR CABLES

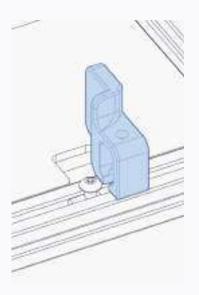
Secure the wire bundles along the small extrusion that sits between the drives with small zip ties.

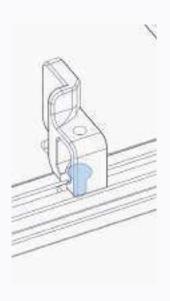


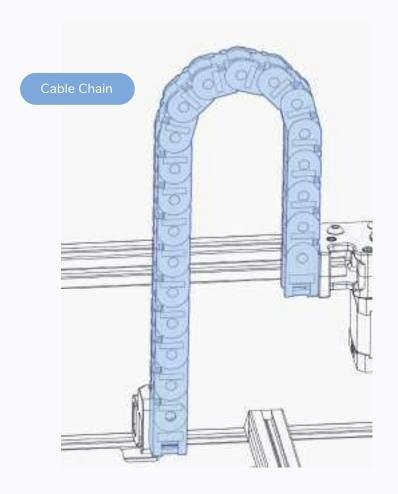


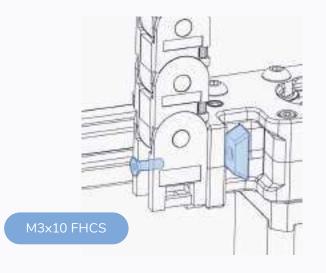


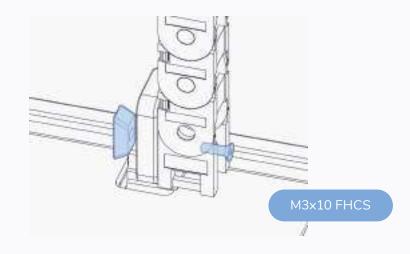


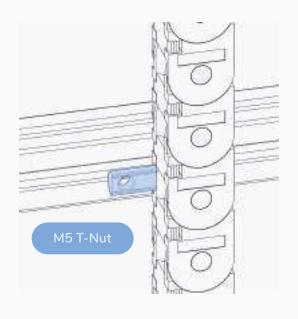


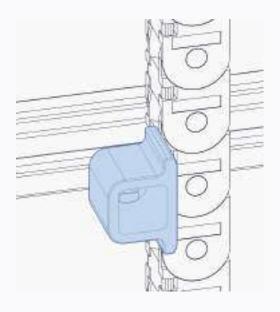




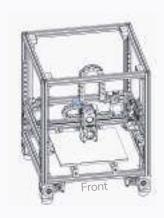


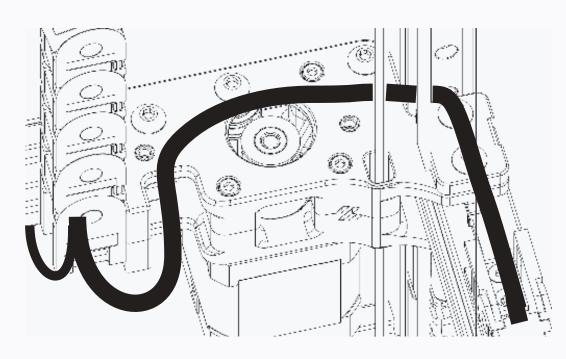










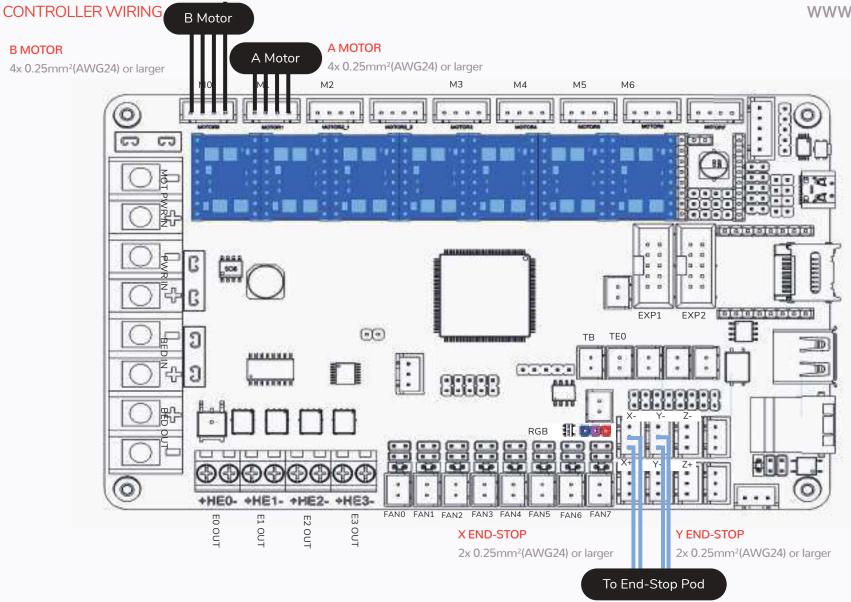


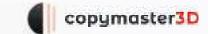


## **WIRE PATH**

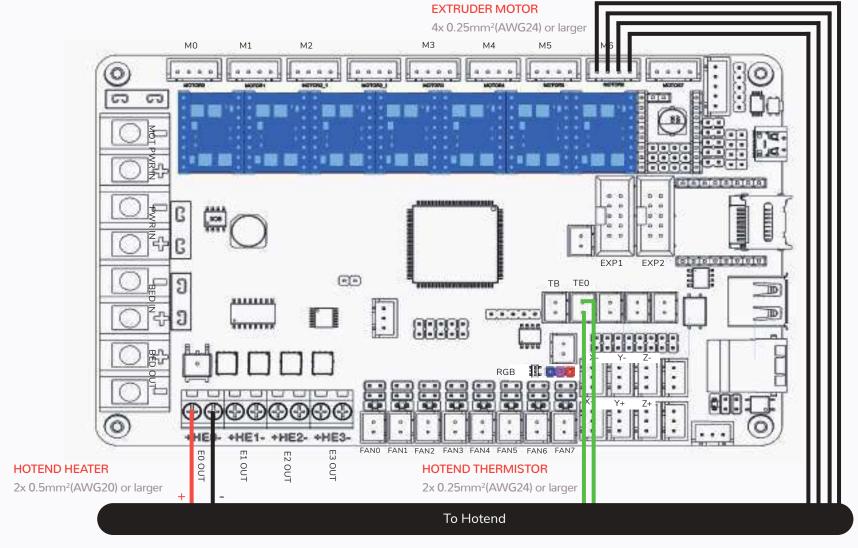
Guide the wire bundle behind the Z belt and over the A drive as shown above. Secure it with zip ties on the strain relief of the cable chains.





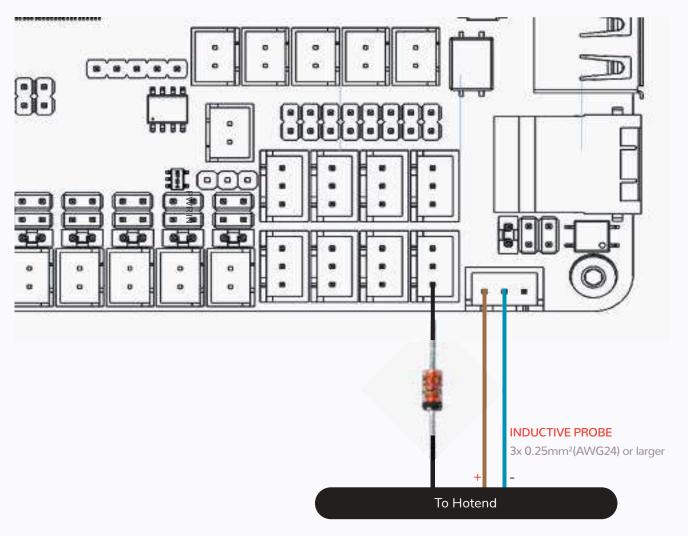


CONTROLLER WIRING WWW.VORONDESIGN.COM





PROBE WIRING WWW.VORONDESIGN.COM



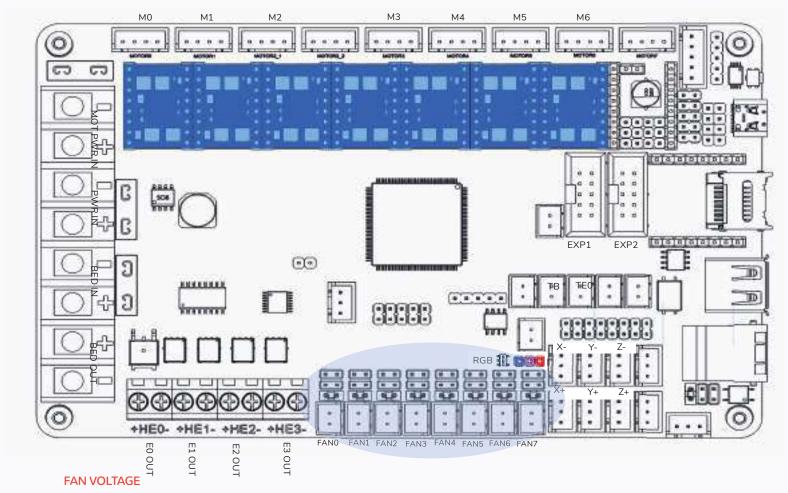
## PROBE HOOKUP

Instead of using the dedicated probe input of the BTT Octopus we recommend wiring the probe's signal line to an endstop input using a BAT85 diode as protection.

The black ring on the diode "points" toward the toolhead.

For technical details please refer to https://voron.link/n9i7lss.

FAN VOLTAGE WWW.VORONDESIGN.COM

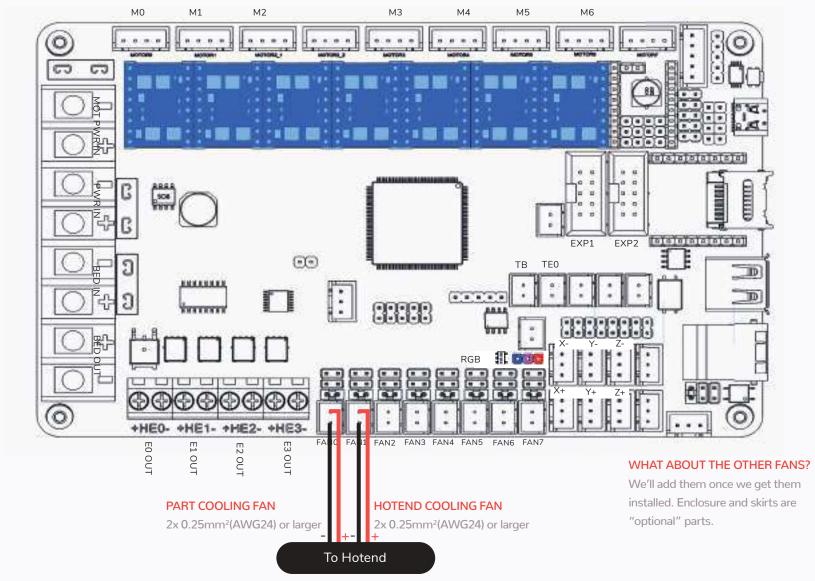


The fans recommended in the sourcing guide are 24V fans.

Please check your hotend cooling (40x40x10 axial), part cooling (40x40x20 blower) and exhaust/electronics (60x60x20 axial) fans for their voltage rating and jumper the voltage selection accordingly. Refer to the **Bigtreetech Octopus V1.1 manual** for possible settings.



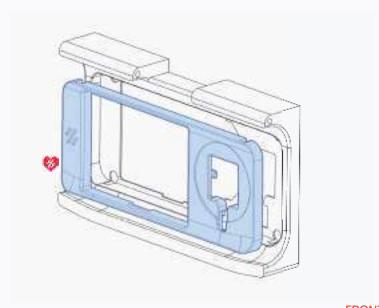
CONTROLLER WIRING WWW.VORONDESIGN.COM

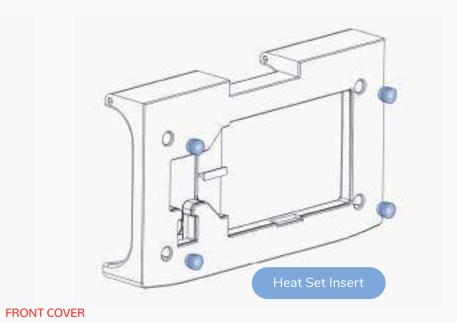






PREPARATION WWW.VORONDESIGN.COM





# The front

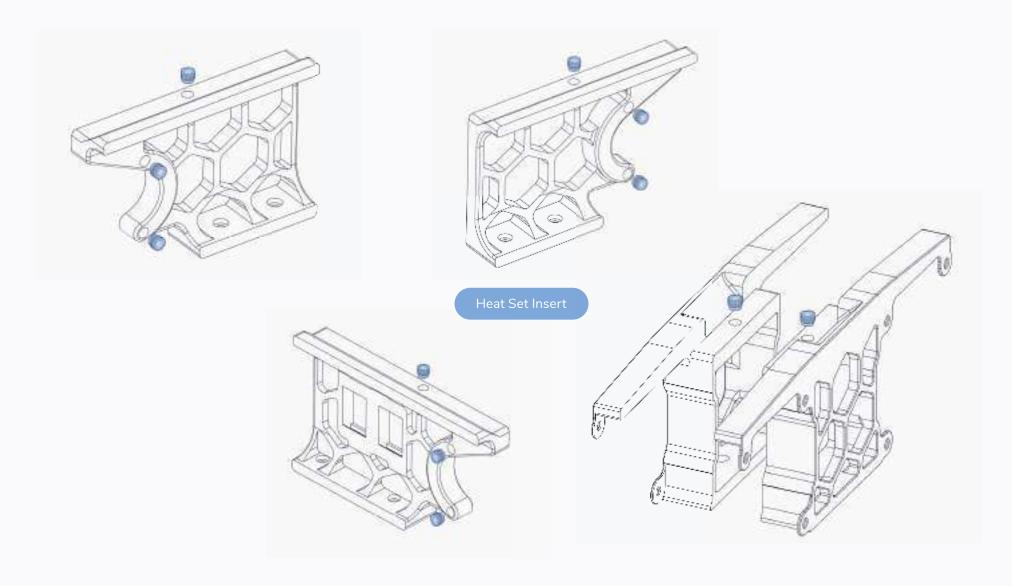
The front cover is held in place by the heat set inserts. Hold the front face firmly in place while inserting the heat set inserts.

## **BUILT-IN SUPPORT**

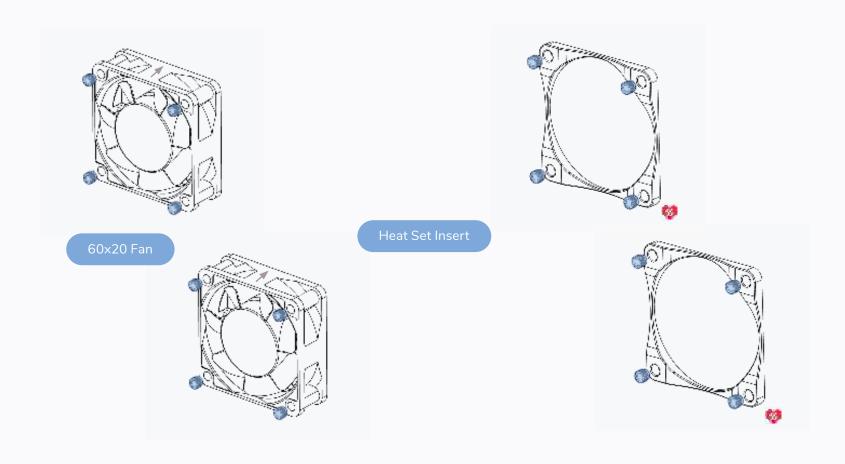
Remove the highlighted section. It's a built-in support for printability.



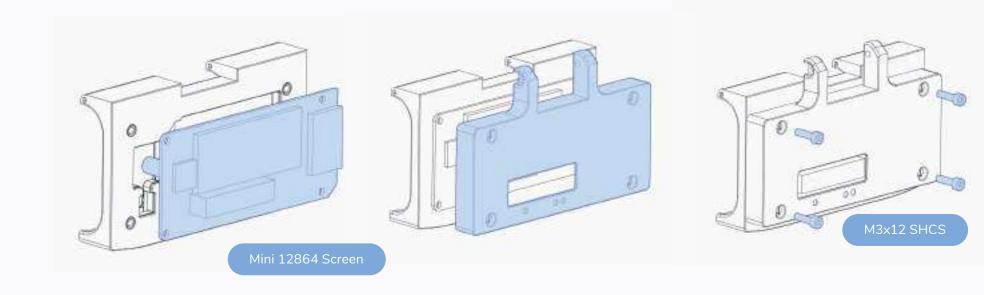
PREPARATION WWW.VORONDESIGN.COM



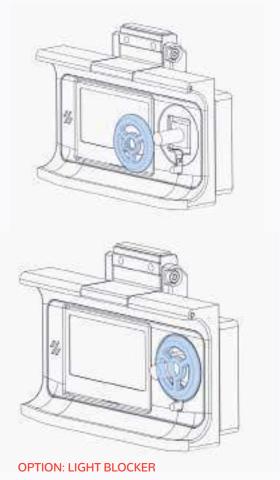
PREPARATION WWW.VORONDESIGN.COM



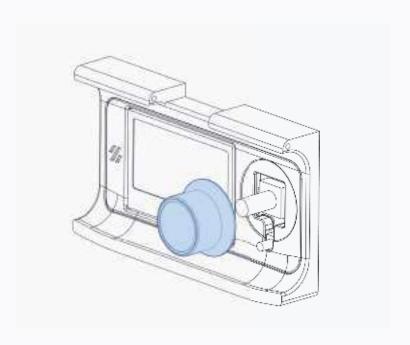
LCD WWW.VORONDESIGN.COM



LCD WWW.VORONDESIGN.COM

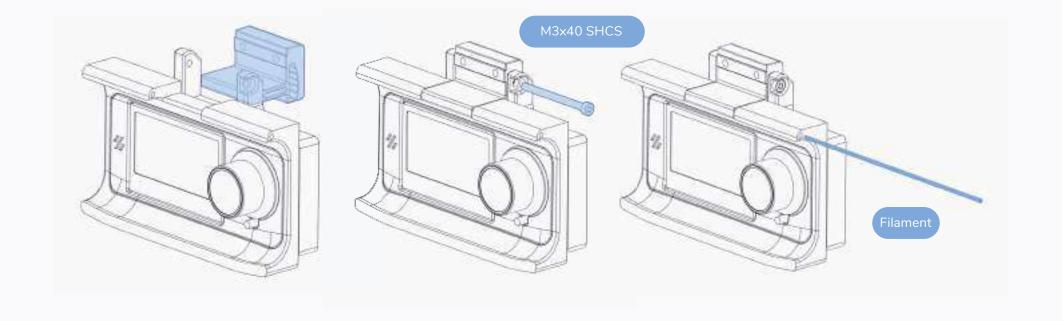


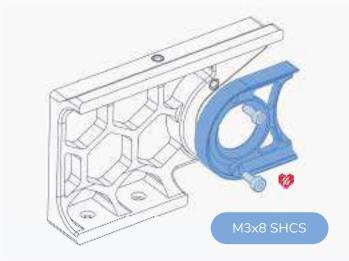
Some LCDs come with a smaller encoder knob. This extra piece prevents excess light bleed. Threads onto the encoder before the knob is pressed on.

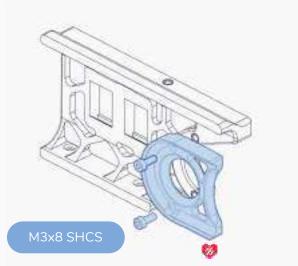


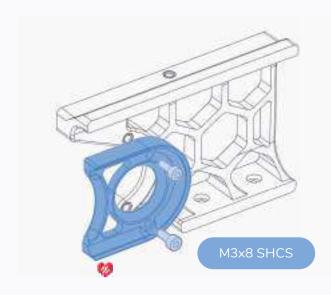


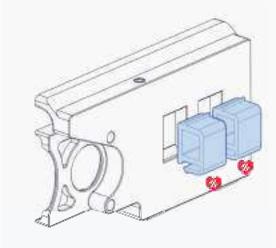
LCD









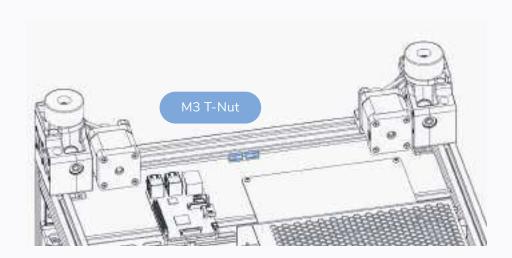


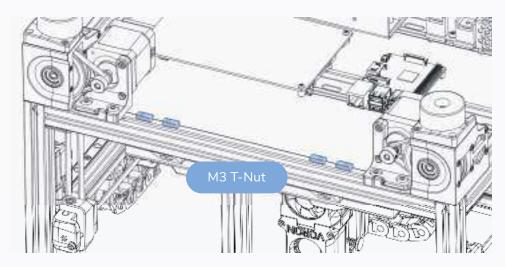
## **OPTION: KEYSTONE INSERTS**

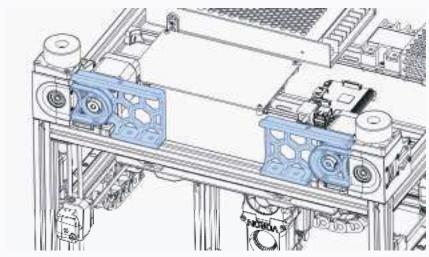
The picture is showing blanks for the keystone slots.

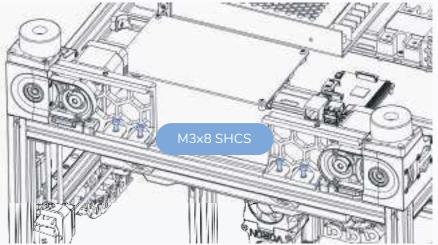
Alternatively you can add modules for USB or ethernet and expose ports of the Raspberry PI on the back of the printer.

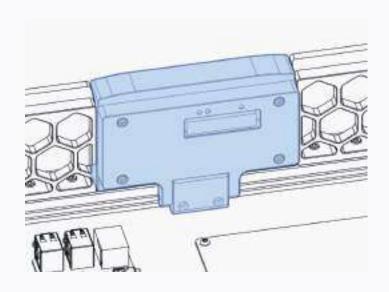


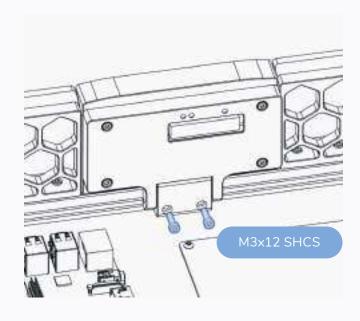




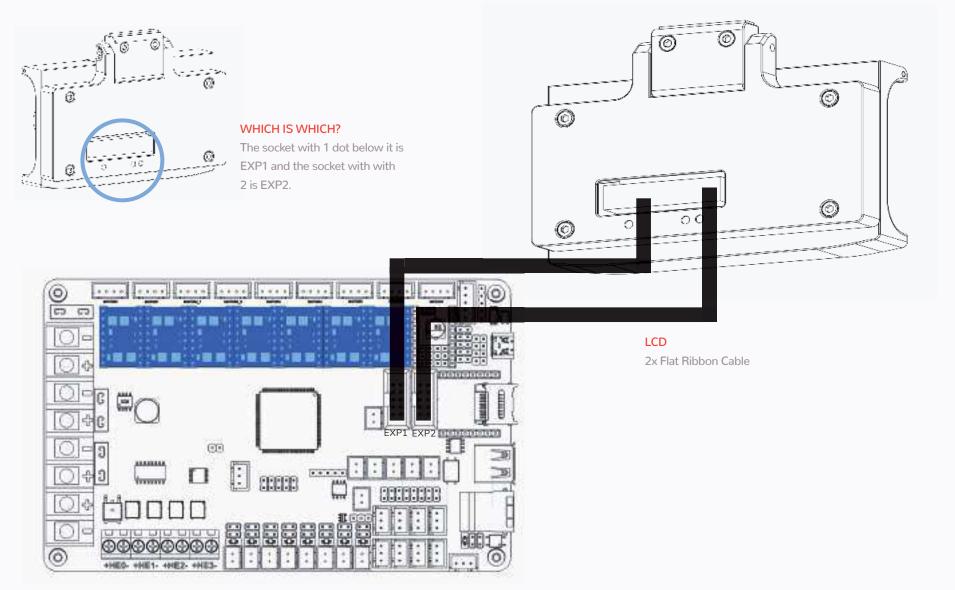


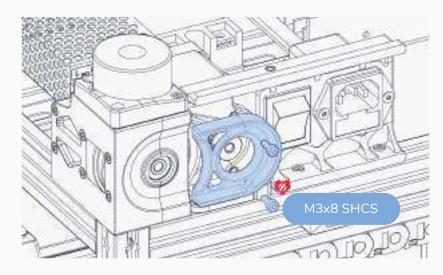


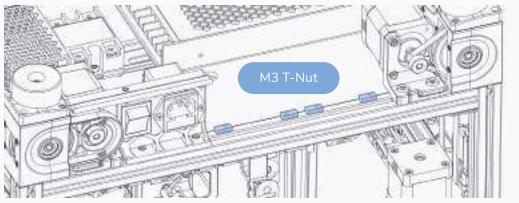


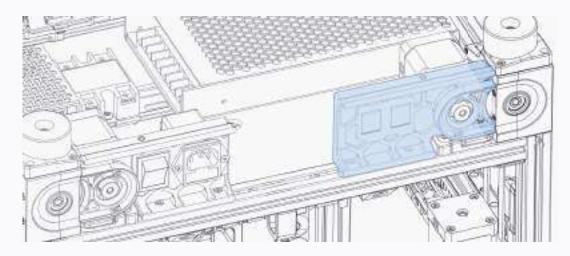


LCD HOOKUP WWW.VORONDESIGN.COM

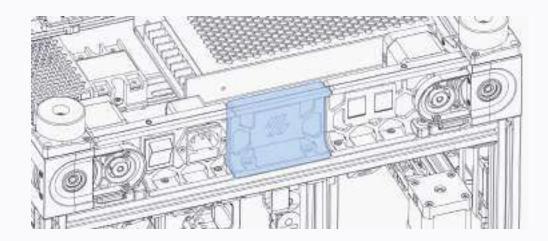


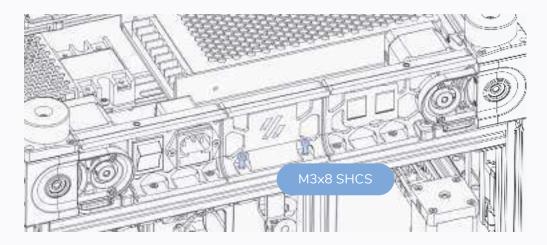


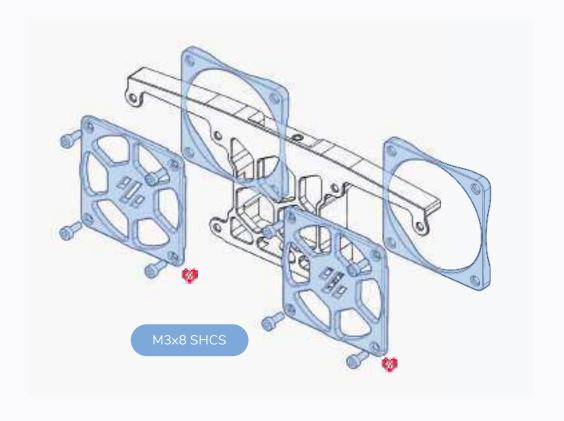




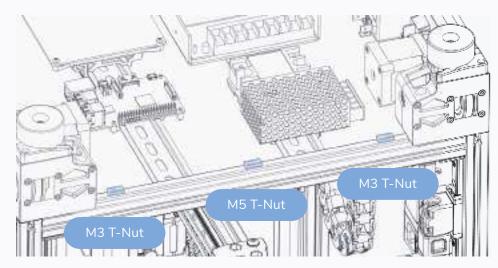


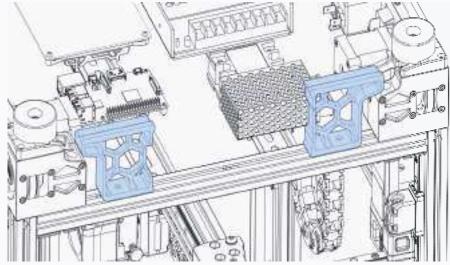




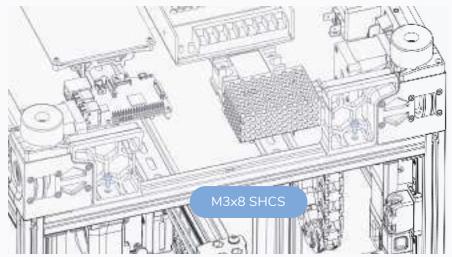


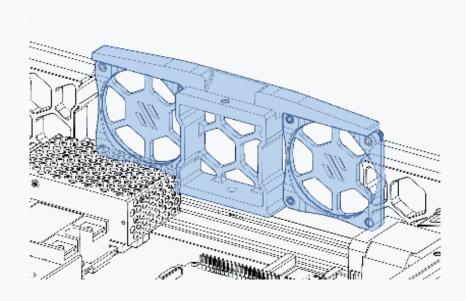


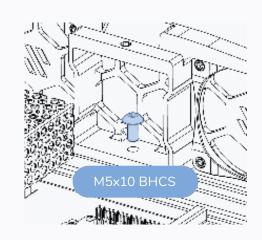




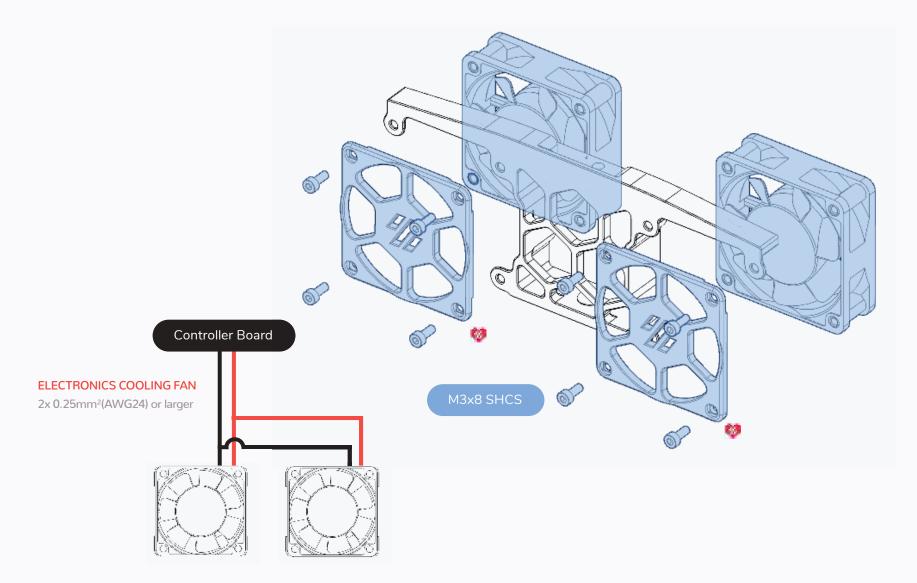






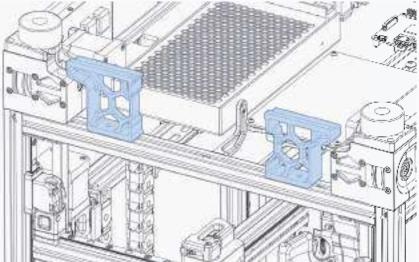




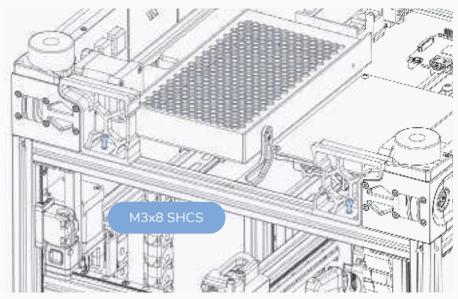


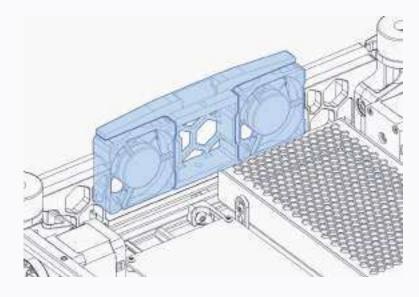
SKIRTS WWW.VORONDESIGN.COM





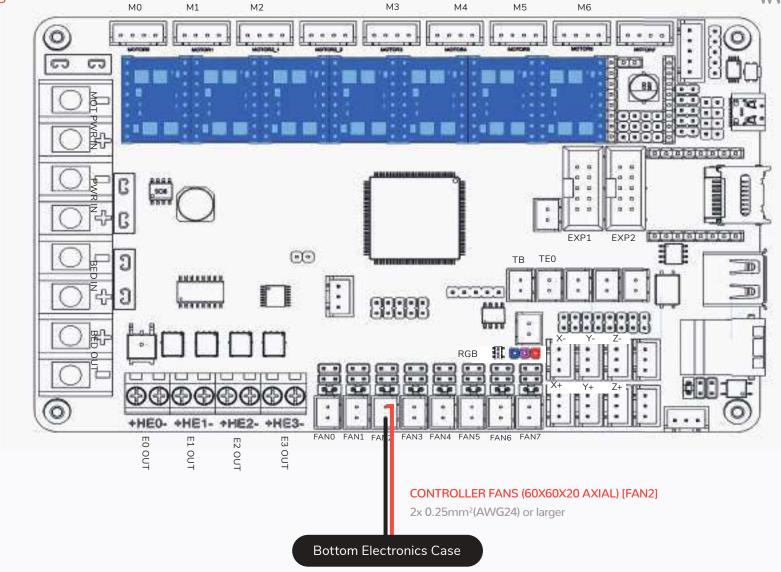
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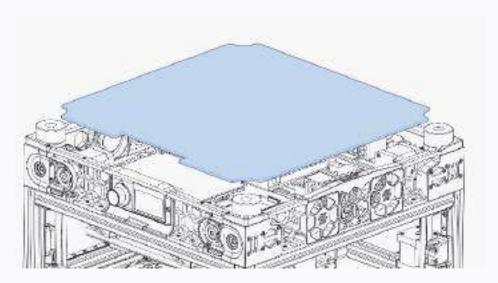




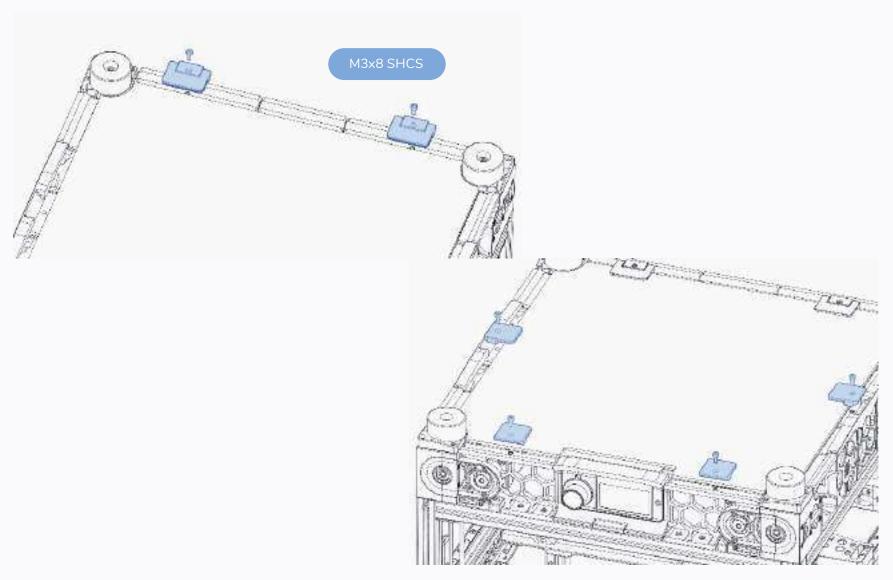


BOTTOM PANEL WWW.VORONDESIGN.COM



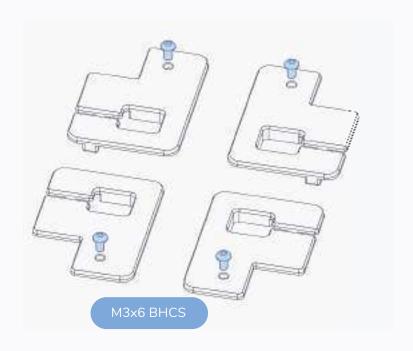


BOTTOM PANEL WWW.VORONDESIGN.COM



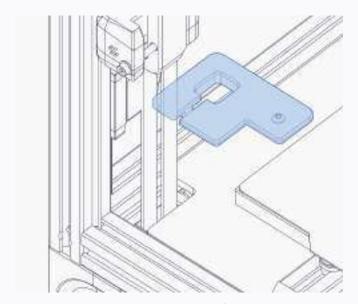


Z BELT COVERS WWW.VORONDESIGN.COM





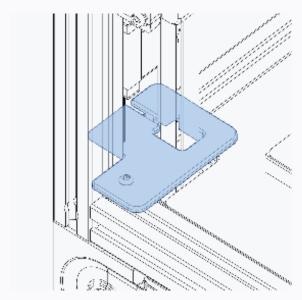
Z BELT COVERS WWW.VORONDESIGN.COM



PINCH BELT

Pinch the Z belt loop flat

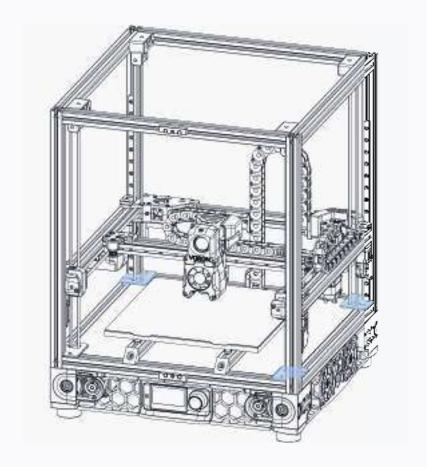
and slide the cover in place.



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 WWW.VORONDESIGN.COM



### REPEAT FOR REMAINING COVERS

Repeat the assembly steps and install the remaining 3 covers.



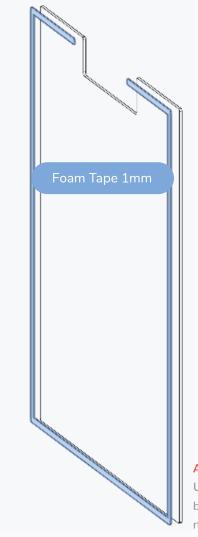
Voron2.4 was released on May 13 2020. Between the releases of 2.4 and 2.4R2 over 2500 Voron2 printers have been build and serialized.

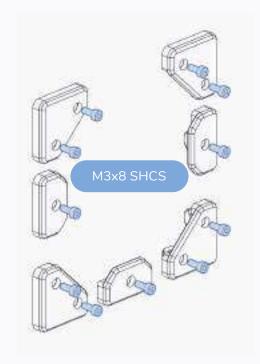


PANELS WWW.VORONDESIGN.COM



BACK PANEL WWW.VORONDESIGN.COM



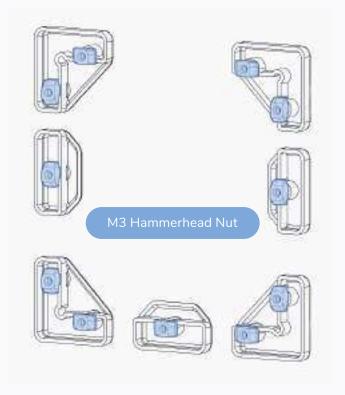


# APPLY FOAM TAPE

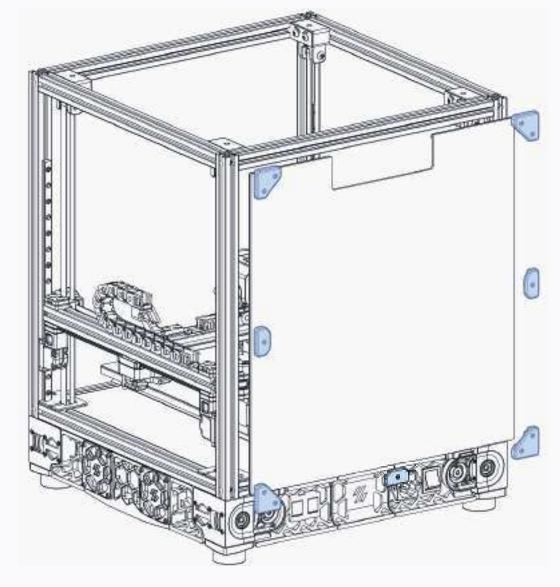
Use foam tape on the contact areas between the panels and the frame to mitigate noise from vibrations.

### 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.

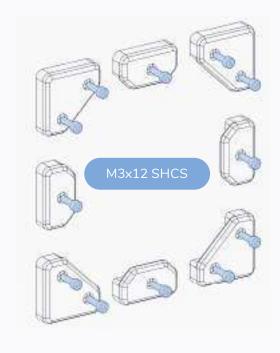






SIDE PANELS WWW.VORONDESIGN.COM

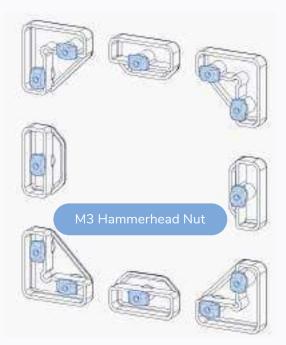




### **APPLY 3MM FOAM TAPE**

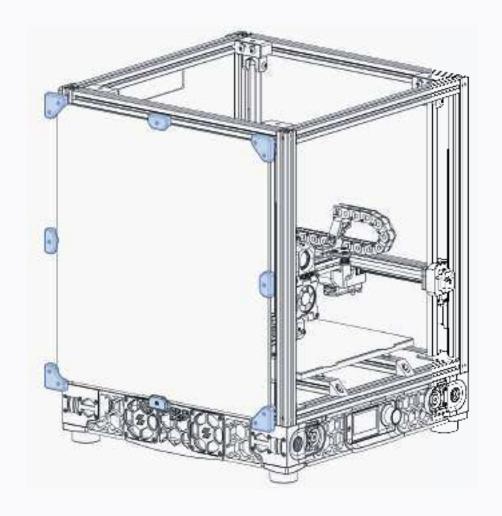
Use foam tape on the contact areas between the panels and the frame to mitigate noise from vibrations.

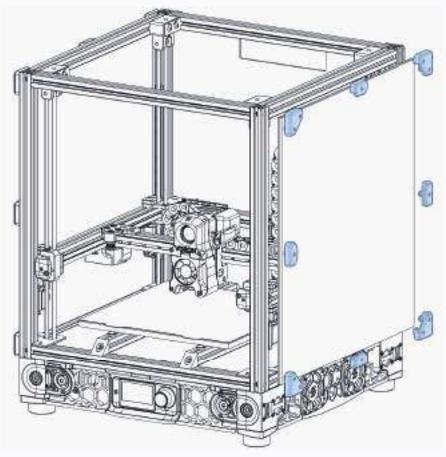
The 3mm foam tape is used on the side panels to prevent the gantry from rubbing on the panels.



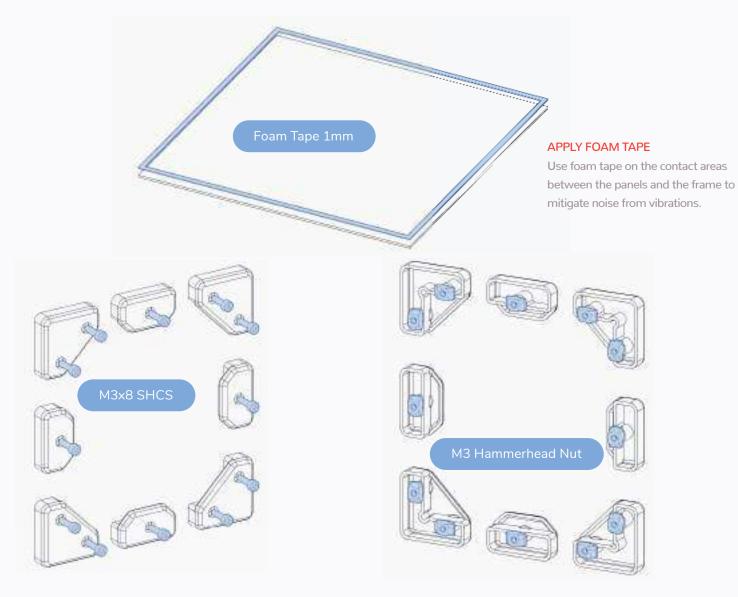


SIDE PANELS WWW.VORONDESIGN.COM

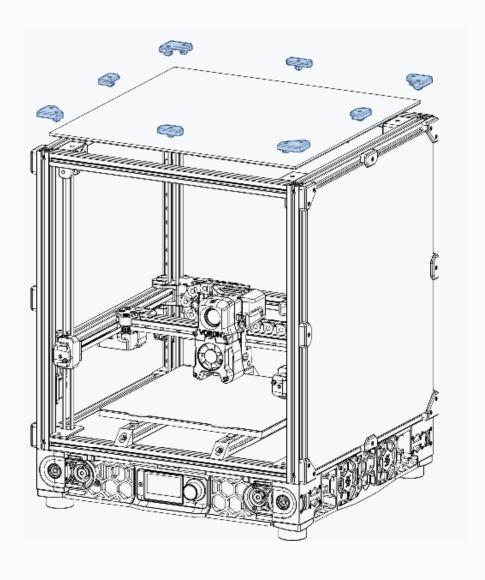




TOP PANEL WWW.VORONDESIGN.COM

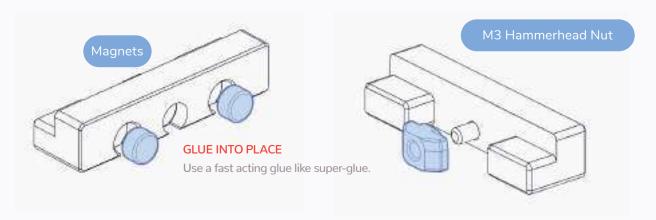


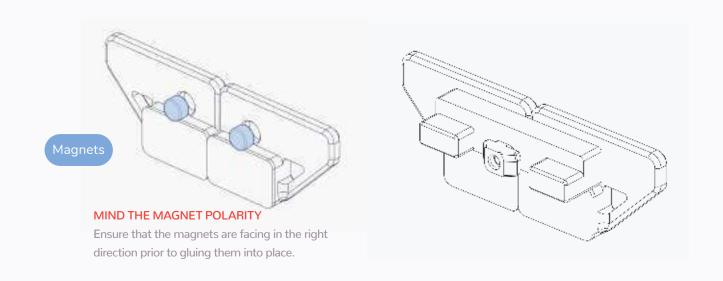
TOP PANEL WWW.VORONDESIGN.COM



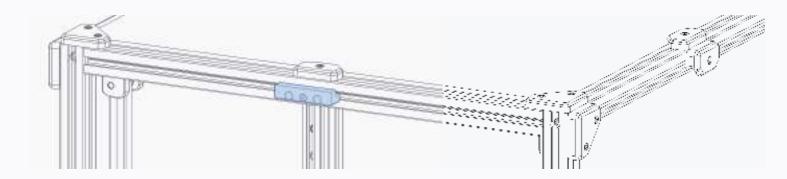


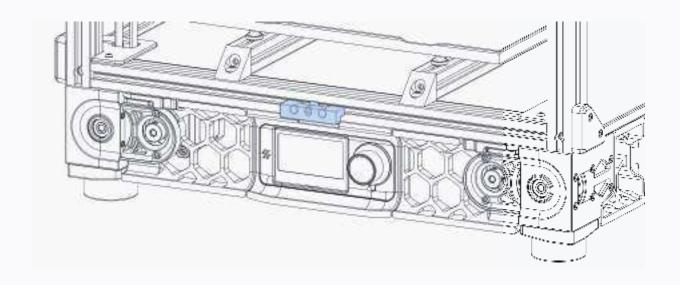


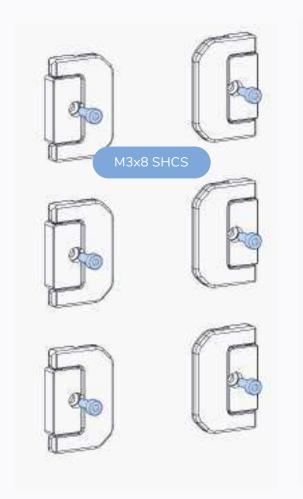


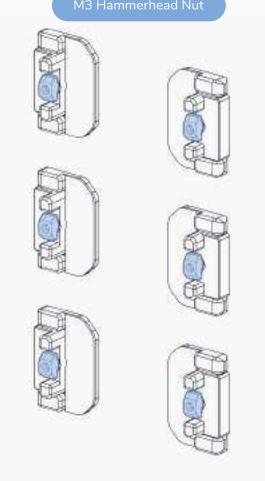


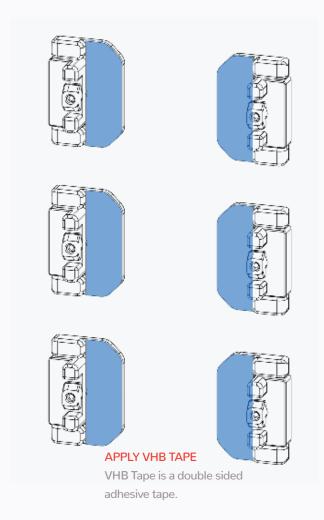


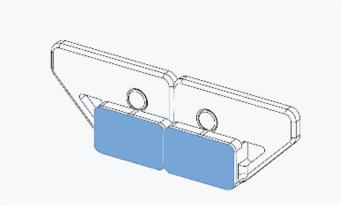






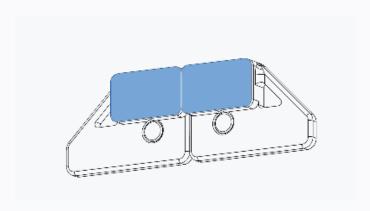


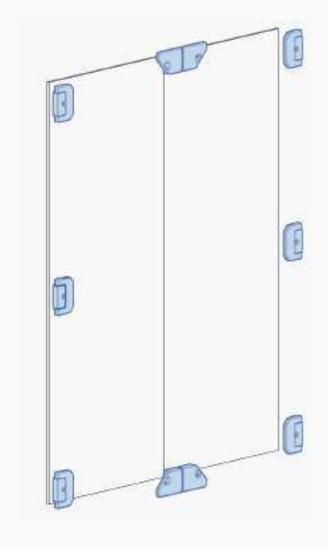




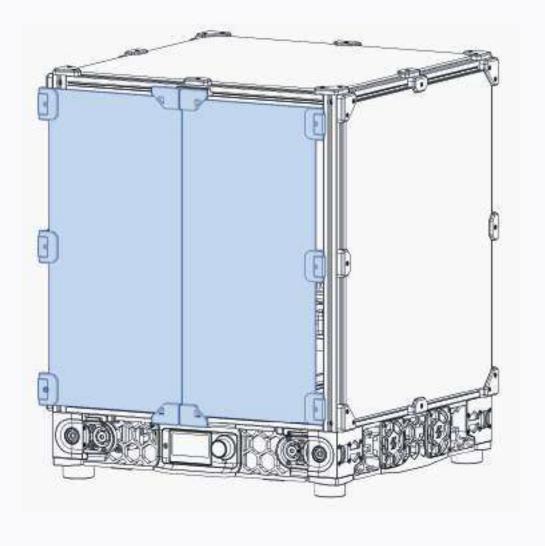
APPLY VHB TAPE

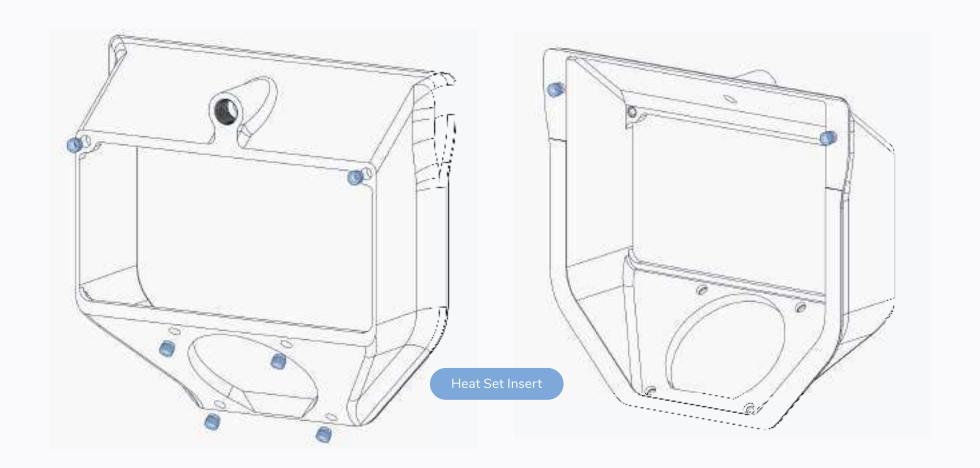
VHB Tape is a double sided adhesive tape.











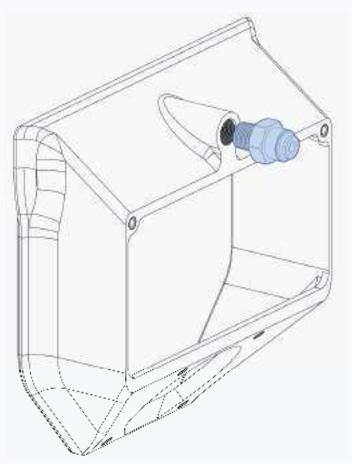


## **BSPP ADAPTER**

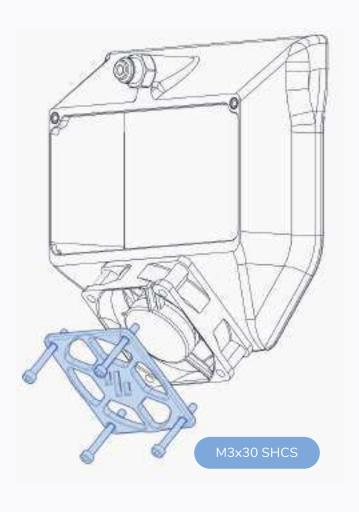
Some adapters have a small lip that prevents the PTFE tube from passing through.

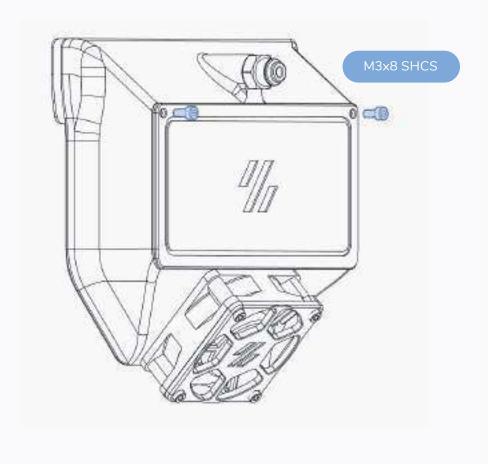
Inspect the adapter and if necessary use a drill to carefully remove the lip.

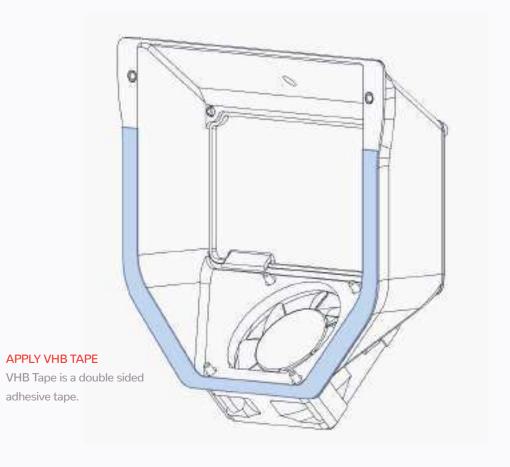


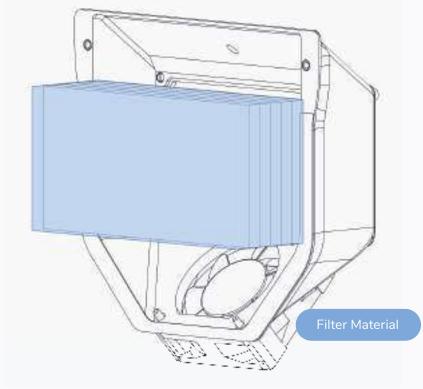




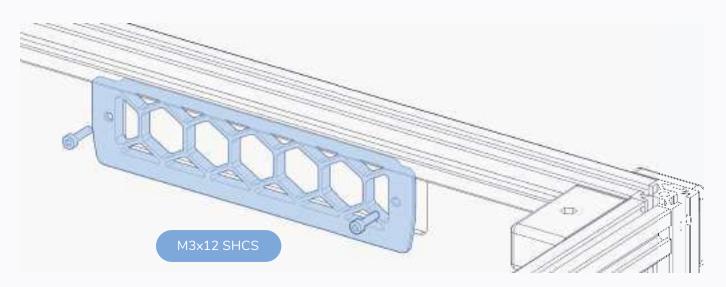


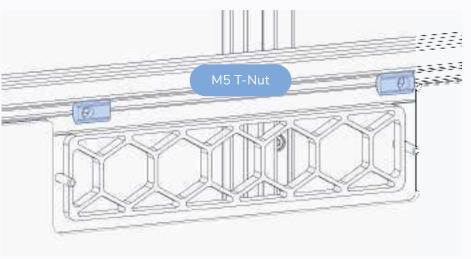


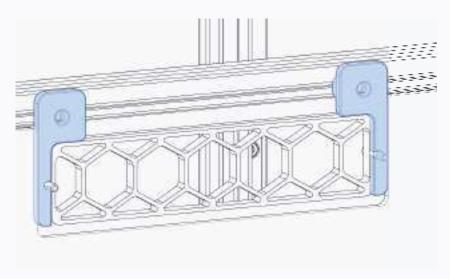




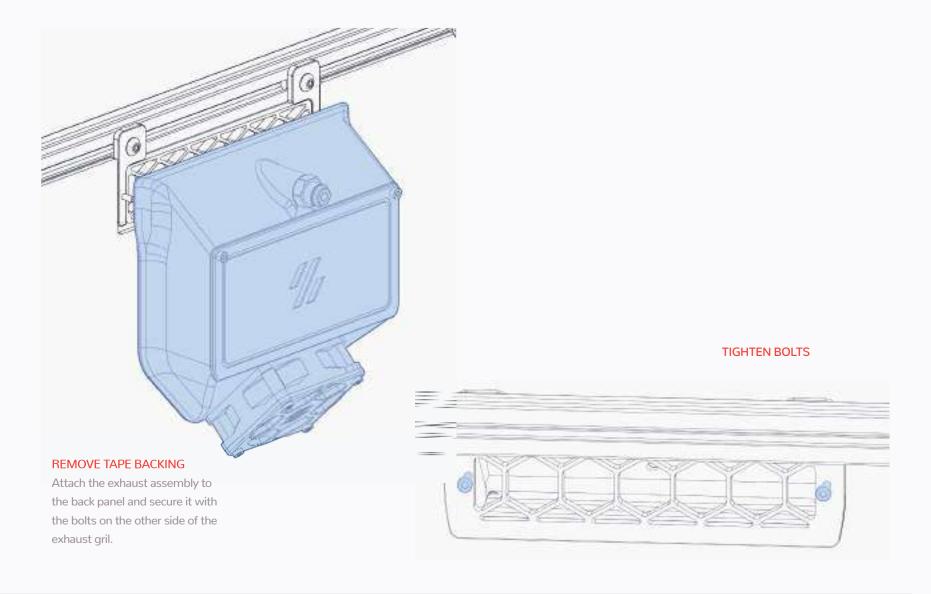




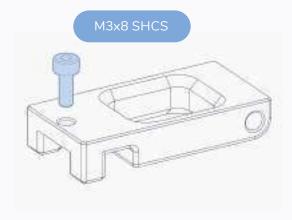




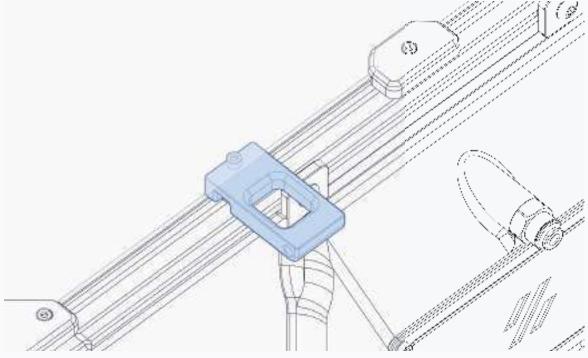




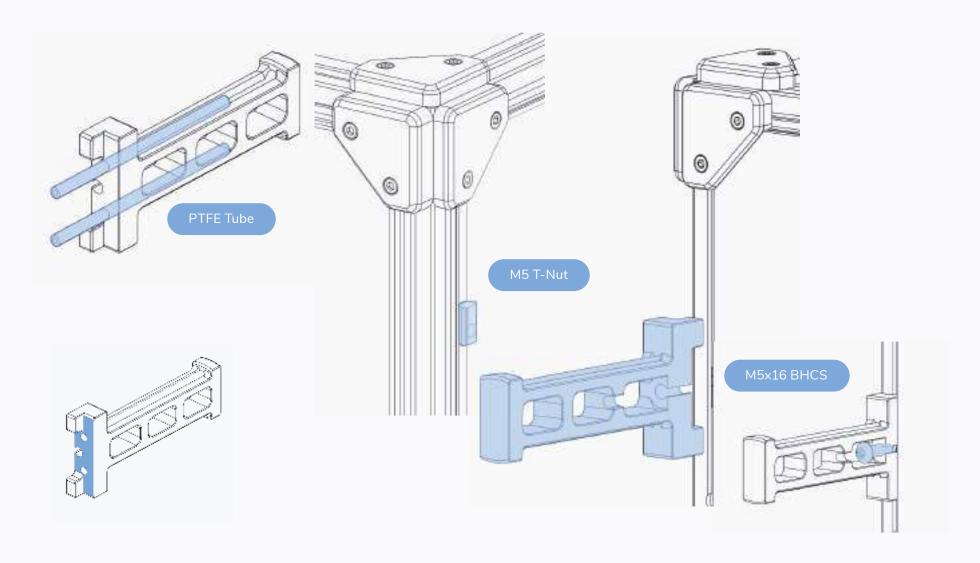
SPOOL HOLDER WWW.VORONDESIGN.COM







SPOOL HOLDER WWW.VORONDESIGN.COM





NEXT STEPS WWW.VORONDESIGN.COM

#### ASSEMBLY COMPLETED! ... NEXT STEP: SETUP & CALIBRATION

This manual is designed to be a reference manual for the build process of a Voron2 printer. Additional details about the build and background on advanced topics can be found on our documentation page linked below.

The software setup and other initial setup steps with your new printer can also be found on our documentation page. We recommend starting **here**.



https://docs.vorondesign.com/



https://github.com/VoronDesign/Voron-2

#### **HOW TO GET HELP**

If you need assistance with your build, we're here to help. Head on over to our Discord group and post your questions. This is our primary medium to help VORON Users and we have a great community that can help you out if you get stuck. Alternativly, you can use our subreddit.



https://discord.gg/voron



https://www.reddit.com/r/VORONDesign

#### **REPORTING ISSUES**

Should you find an issue in this document or have a suggestion for an improvement please consider opening an issue on GitHub (https://github.com/VoronDesign/Voron-2/issues).

When raising an issue please include the relevant page numbers and a short description; annotated screenshots are also very welcome.

We periodically update the manual based on the feedback we get.



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Enjoy your printer.







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Discord

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