🏠 / **voron** / **voron-trident** / **build-faq**
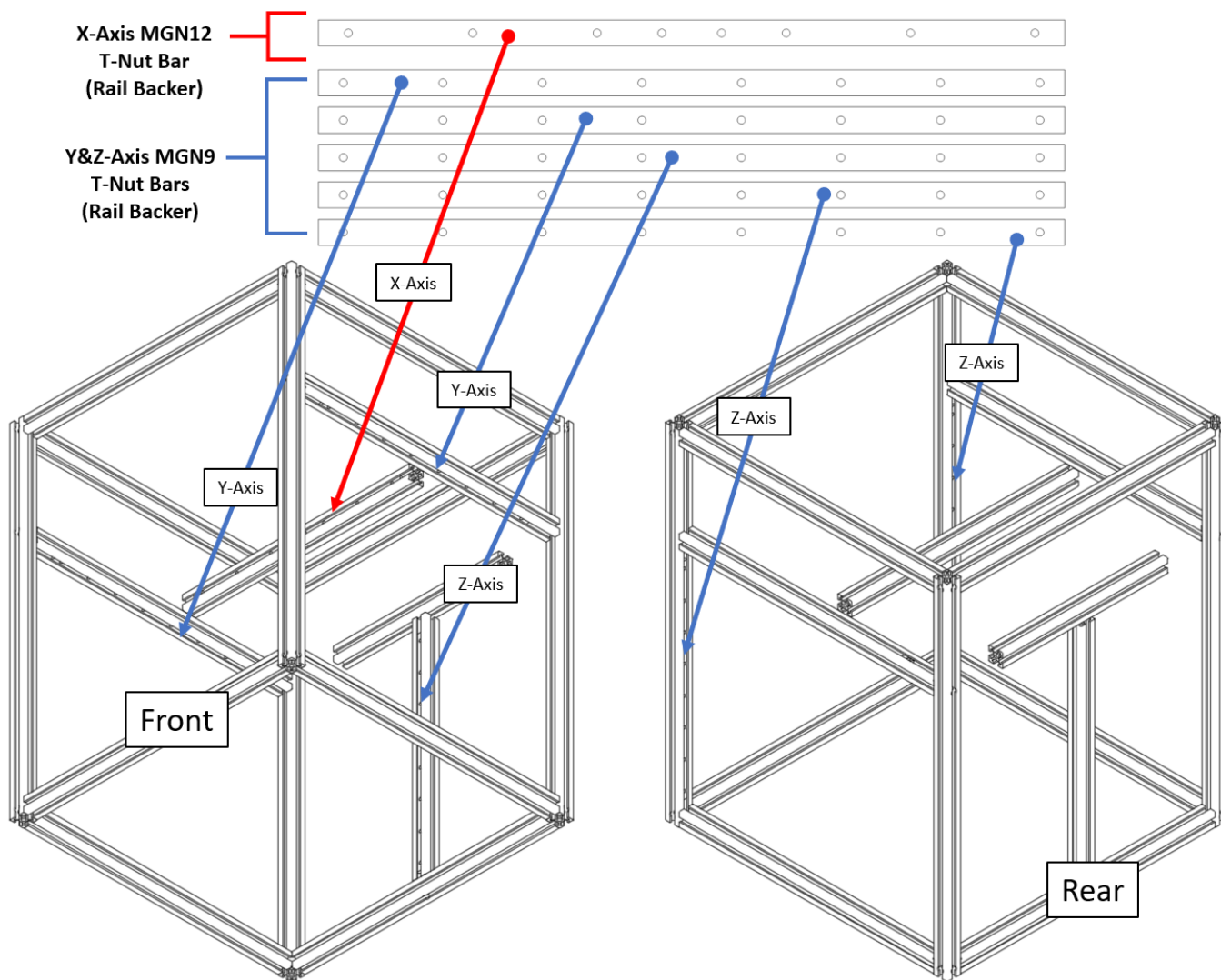
# Build Notes/FAQ

## Build Notes

This build note will help identify variations from the [Official Voron Trident Assembly Manual](#) ↗ as of Feb 12, 2022, to avoid issues changes to the official manual such as page number changes we recommend using our link to the correct version for these notes. We tried our best to capture all of the changes.  Please let us know of other changes you discover via our channel #ldo_motors on the [Voron Discord Server](#) ↗

**NOTE: Due to the tight tolerances of the extrusions and roll-in t-nuts it is advisable to either test fit before assembly to identify the sides of the extrusions that fits the best or to pre-load the t-nuts into the extrusions.**
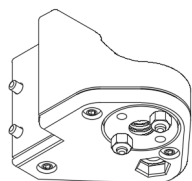
*** *IMPORTANT* *** - **Preload T-Nut Bars for rails**

**PAGES 17-20** The kits uses T-Nut Bars into place of the T-Nuts for mounting the rails.  They need to be pre-loaded as you assemble the frame, since they CANNOT be inserted afterwards. Also, note that the X-Axis T-Nut Bar has different holes compares to the others.

**X-Axis MGN12 T-Nut Bar (Rail Backer)**

**Y&Z-Axis MGN9 T-Nut Bars (Rail Backer)**

X-Axis

Y-Axis

Y-Axis

Z-Axis

Z-Axis

Z-Axis

Front

Rear

**PAGE 79** You can find the Leadbolt nuts attached to the leadscrews in the Z Linear Motor box.

**PAGE 82** The POM nut is oriented so the flange extends into the part and the accented part is flush.



**PAGE 88** Follow the orientation according to the build size 250mm and for the 300mm.

**PAGE 135** Use M3x25 wafer head screw instead of the M3x30 SHCS for the inductive probe

**PAGE 141** SKIP The heater pad is already pre-applied

**PAGE 142** SKIP The heater fuse is already pre-installed

**PAGE 144** Use the LDO Z endstop printed part ☐ and PCB. See the wiring guide for your specific printer for details

**PAGE 144** Follow only the installation of the 5mm Shaft

**PAGE 146** Use the LDO bed connection printed part ☒ . See the wiring guide for your specific printer for details

**PAGE 158** Use M3x20 SHCS for bed mounting

**PAGE 162-190** The Trident Kit supports the build of the Stealthburner + Clockwork 1.  Follow the building of the Clockwork 1 extruder and skip the assembly of the Fan Assembly and Tool Cartridge.  Follow the assembly of Stealthburner manual ☒   and skip the assembly of Clockwork 2 extruder

   1. **PAGE 182** Follow the instructions for the Toolhead PCB on Page 190

**PAGE 193** Use the LDO Z chain anchor ☒

**PAGE 196** Use the LDO right deck cover ☒

**PAGE 198** The LDO deck panel has a 4mm nominal thickness, use deck_support_4mm instead of its 3mm counterpart. 12 pieces are needed, if you follow our 250 wiring guide.

**PAGE 200** The 250mm and 300mm have different layouts, please be double check you're following the correct layout.

**PAGE 209** Use the LDO Beefy Raspberry Pi Mount ☒

**PAGE 211** SKIP The kit uses the Octopus to supply the 5v power for the Raspberry PI

**PAGE 216** Use the LDO plug panel ☒ . See the wiring guide for your printer for details

**PAGE 219** SKIP The kit uses UK2.5B Terminal Blocks. See the wiring guide for your specific printer for details

**PAGE 223** SKIP The kit uses the Octopus to supply the 5v power for the Raspberry PI

**PAGE 226** SKIP The kit uses the X/Y Endstop PCB board

**PAGE 236-240** SKIP The kit uses a combined inlet and other changes. See the wiring guide for your specific printer for details

**PAGE 241** Use two M3x6 FHCS since the included cable chain ends has 2 holes

**PAGE 243-247** SKIP The kit uses different electrical components. See the wiring guide for your specific printer for details

**PAGE 250-251** When running wires in the cable chain, it is important to keep the wires loose.  Pulling the wires tight inside the cable chain will result to excessive wire fatigue and possible pre-mature wire breaks.

**PAGE 261** Use two M3x10 SHCS instead M3x8 SHCS for the gantry cover

**PAGE 270**  SKIP The kit uses KlipperScreen

**KlipperScreen** - To install the software follow the direction on
https://github.com/jordanruthe/KlipperScreen/blob/master/docs/Installation.md ↗

- ‣ Use Identifier "DPI-1" for the configuration
- ‣ Users who received the Waveshare touchscreen, print this mod ↗ to install your touchscreen display.
- ‣ Users who received the BigTreeTech touchscreen, print the mount from here ↗ .

**PAGE 272-274** SKIP The kit uses KlipperScreen

**PAGE 277** SKIP The kit uses KlipperScreen

**PAGE 287** SKIP The kit uses different electrical components. See the wiring guide for your specific printer for details

**PAGE 312** SKIP The kit uses different electrical components. See the wiring guide for your specific printer for details

# FAQ