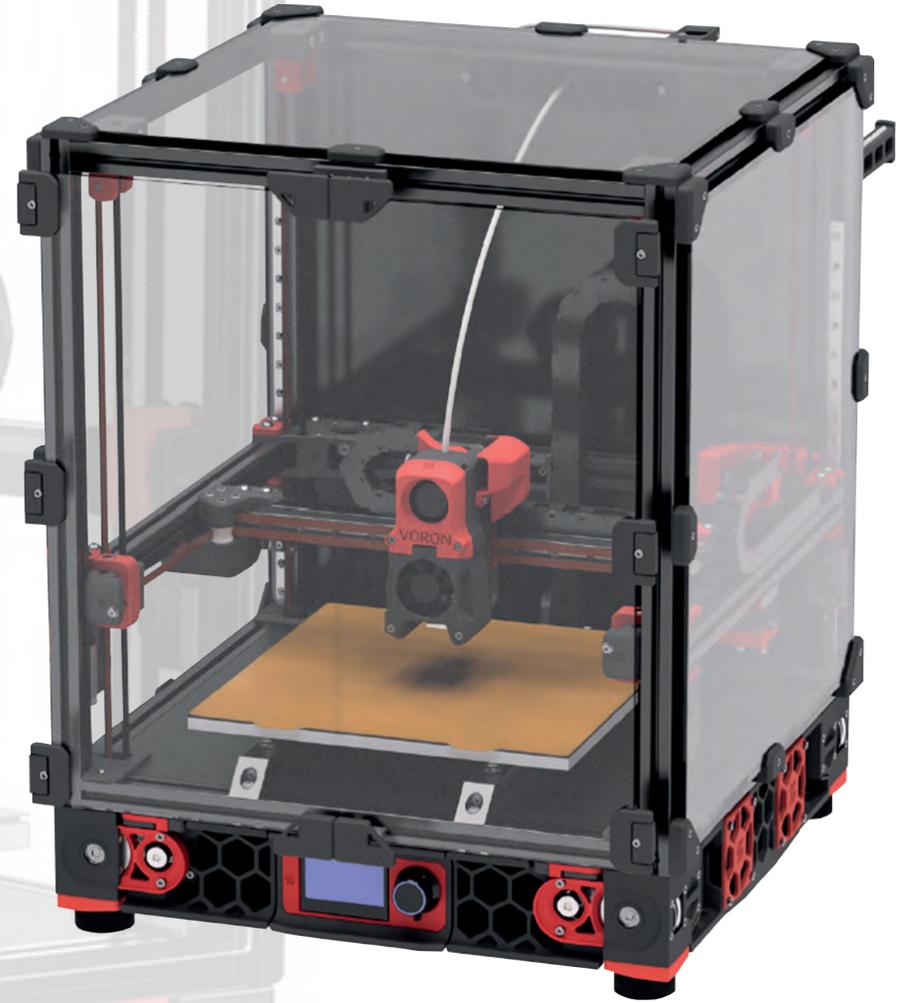




VORON 2.4

KIT 4

· A/B DRIVE





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

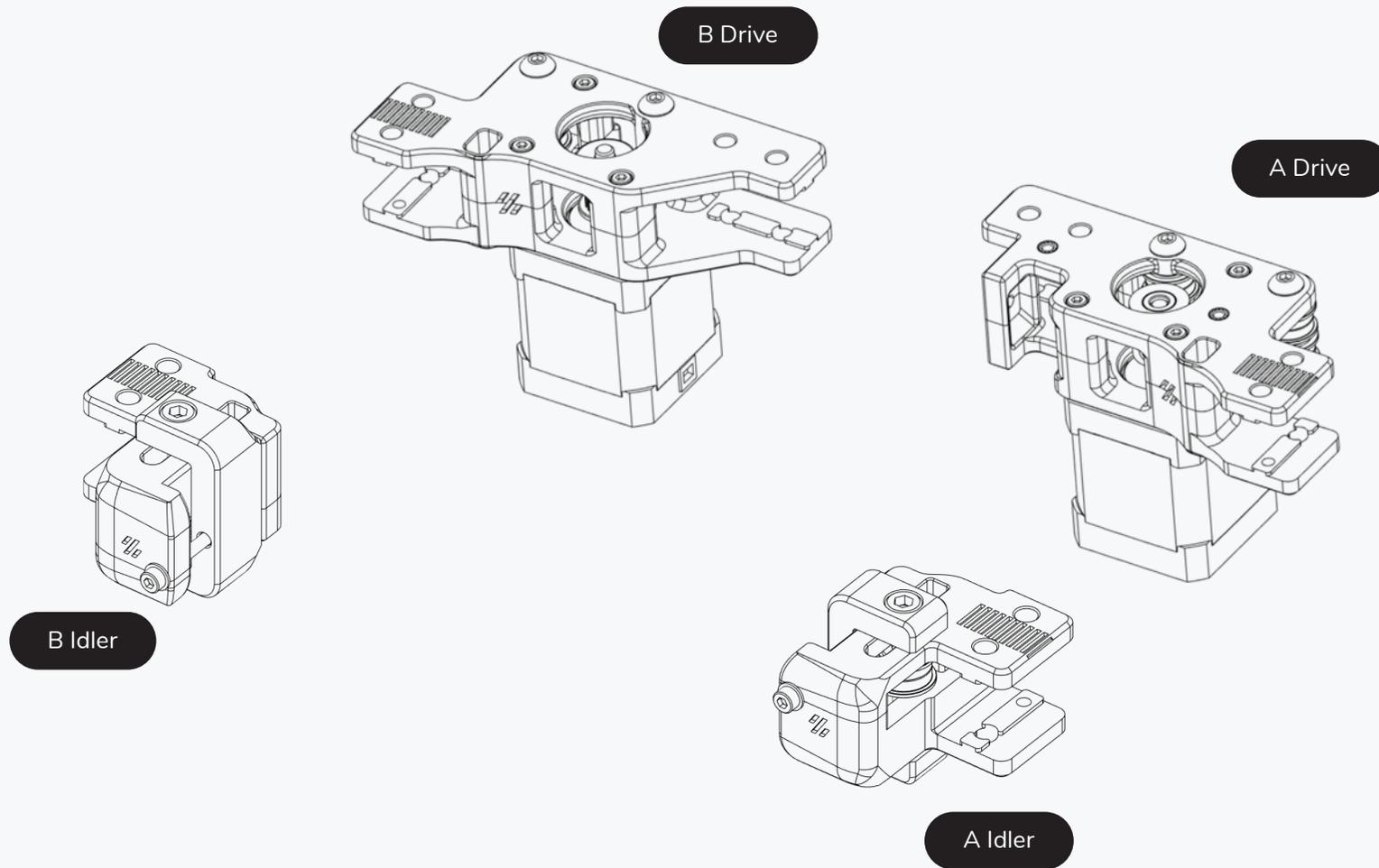
In the comfort of your own home you are about to assemble a robot. This machine can maim, burn, and electrocute you if you are not careful. Please do not become the first VORON fatality. There is no special Reddit flair for that.

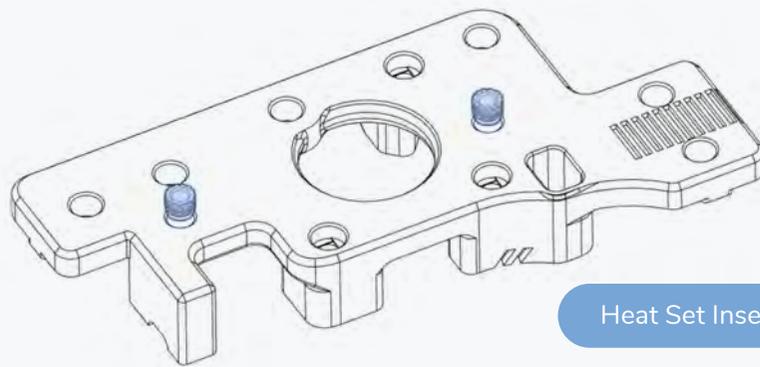
Please, read the entire manual before you start assembly. As you begin wrenching, please check our Discord channels for any tips and questions that may halt your progress.

Most of all, good luck!

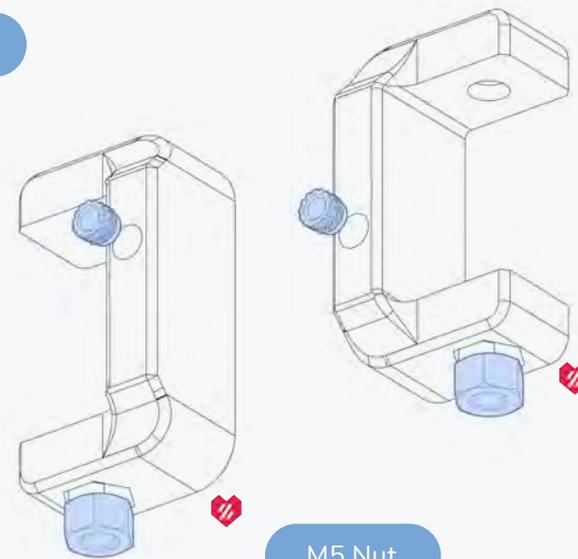
THE VORON TEAM







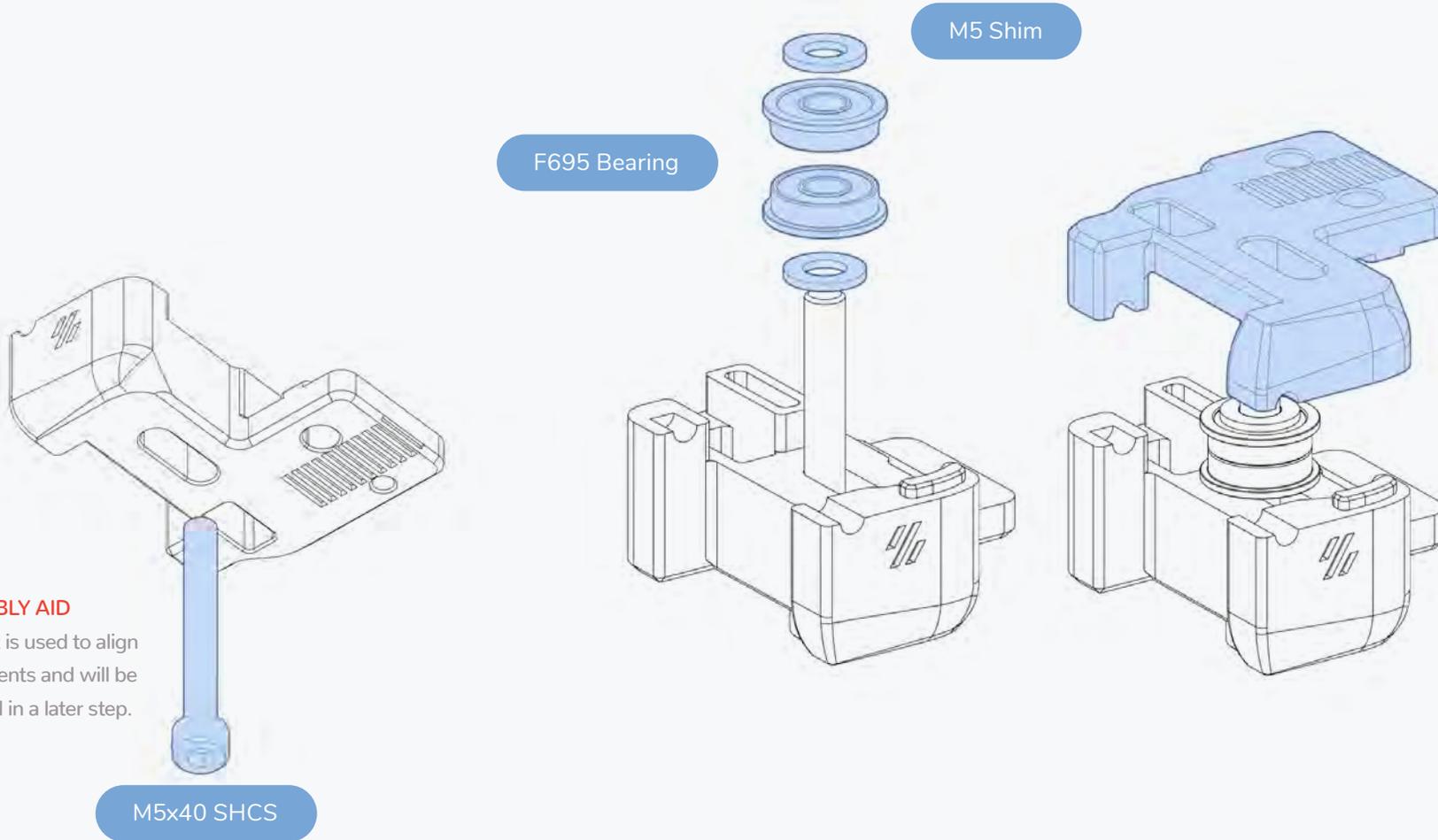
Heat Set Insert

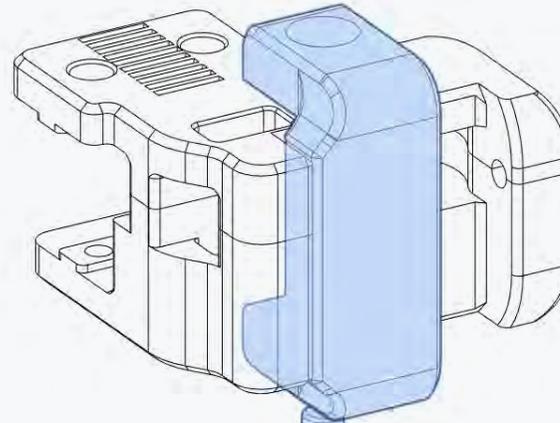
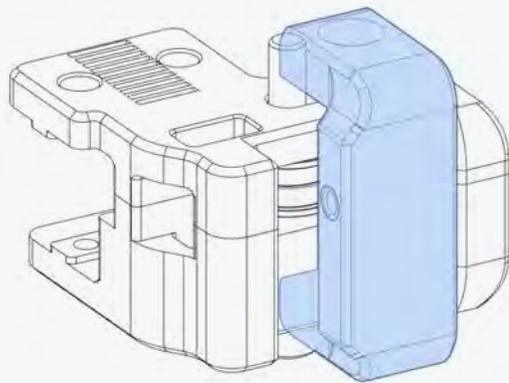


M5 Nut

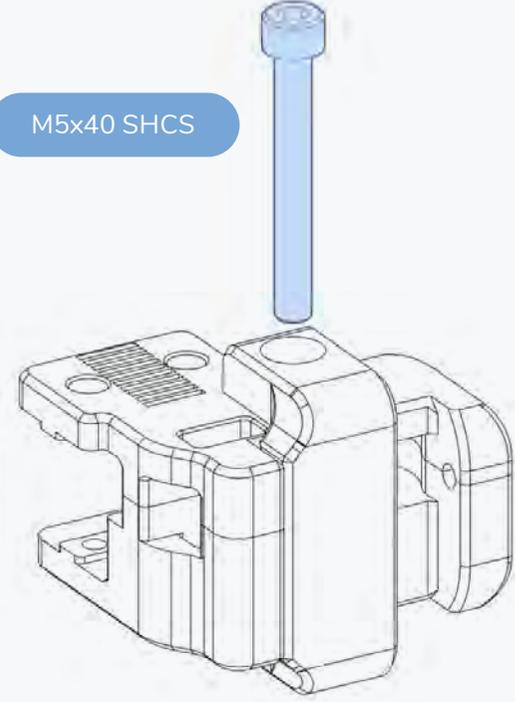
ASSEMBLY AID

This bolt is used to align components and will be removed in a later step.





M5x40 SHCS



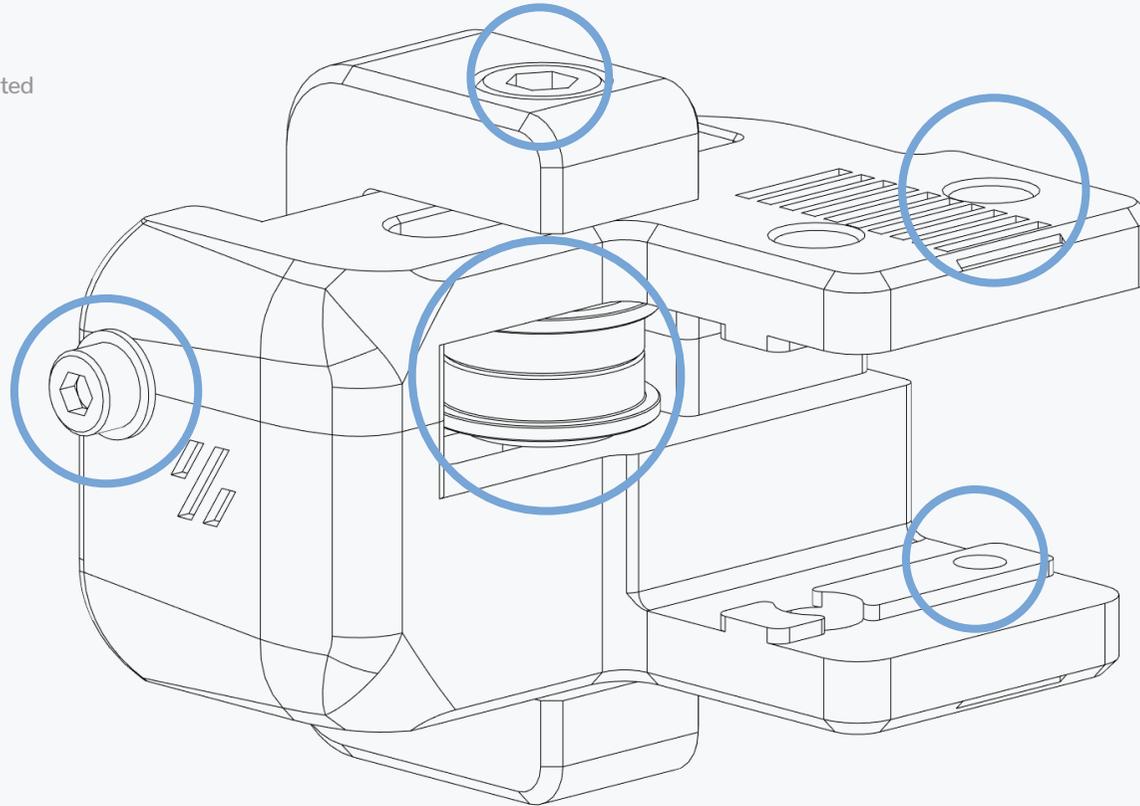
REMOVE ASSEMBLY AID

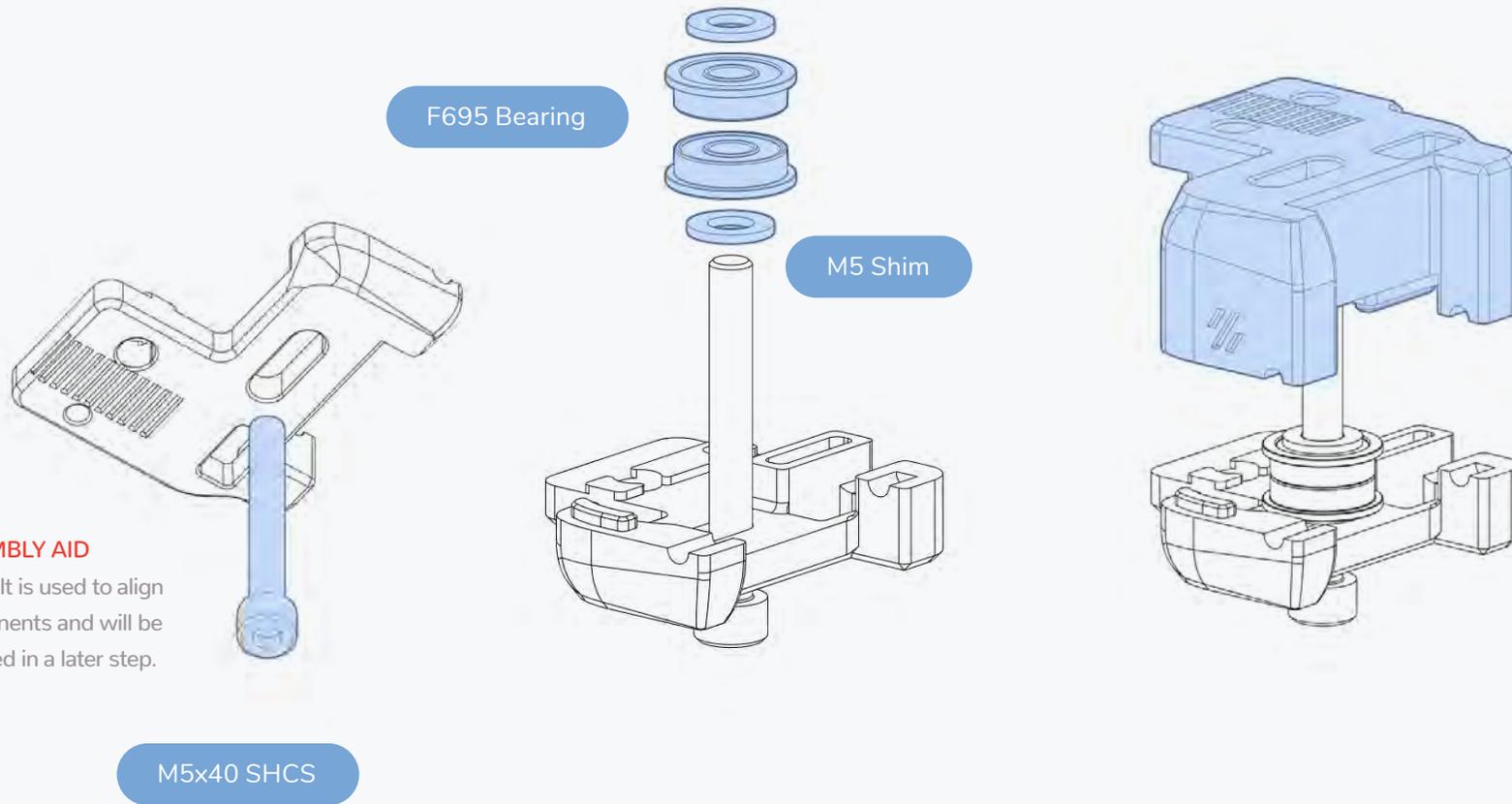
Remove the bolt and slide the tension arm into place.



CHECK YOUR WORK

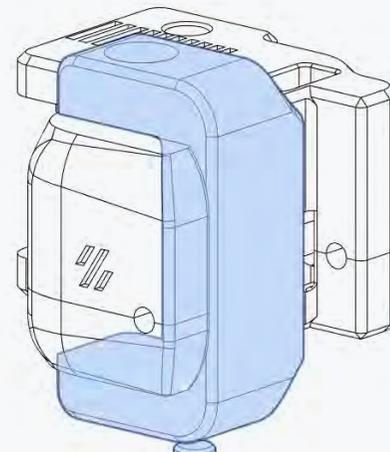
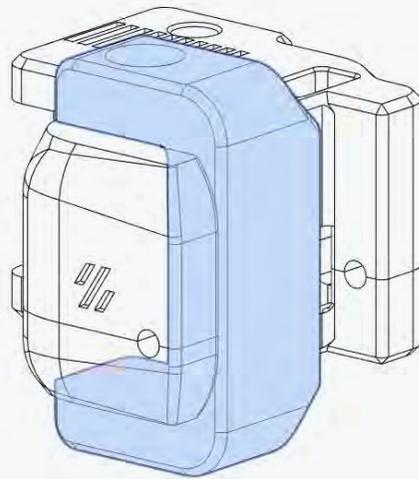
Compare your assembled parts to the graphics shown here. Pay attention to the features highlighted by the circles.



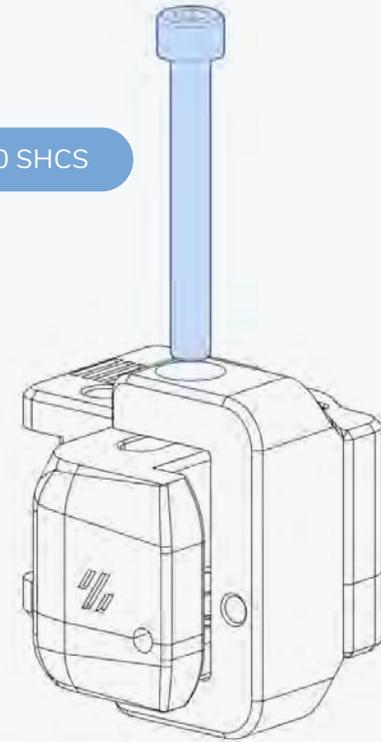


ASSEMBLY AID

This bolt is used to align components and will be removed in a later step.

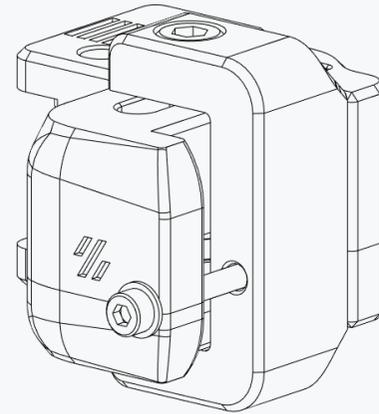
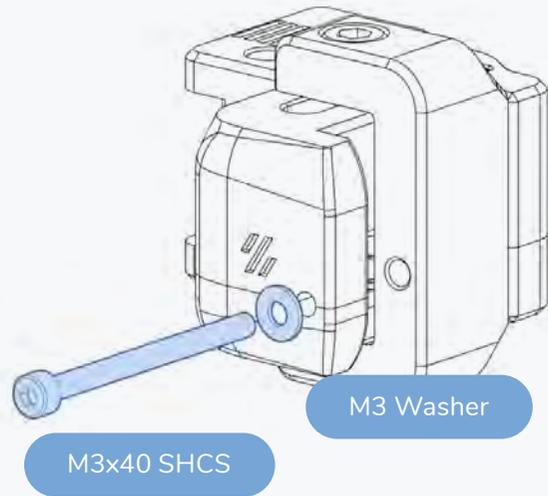


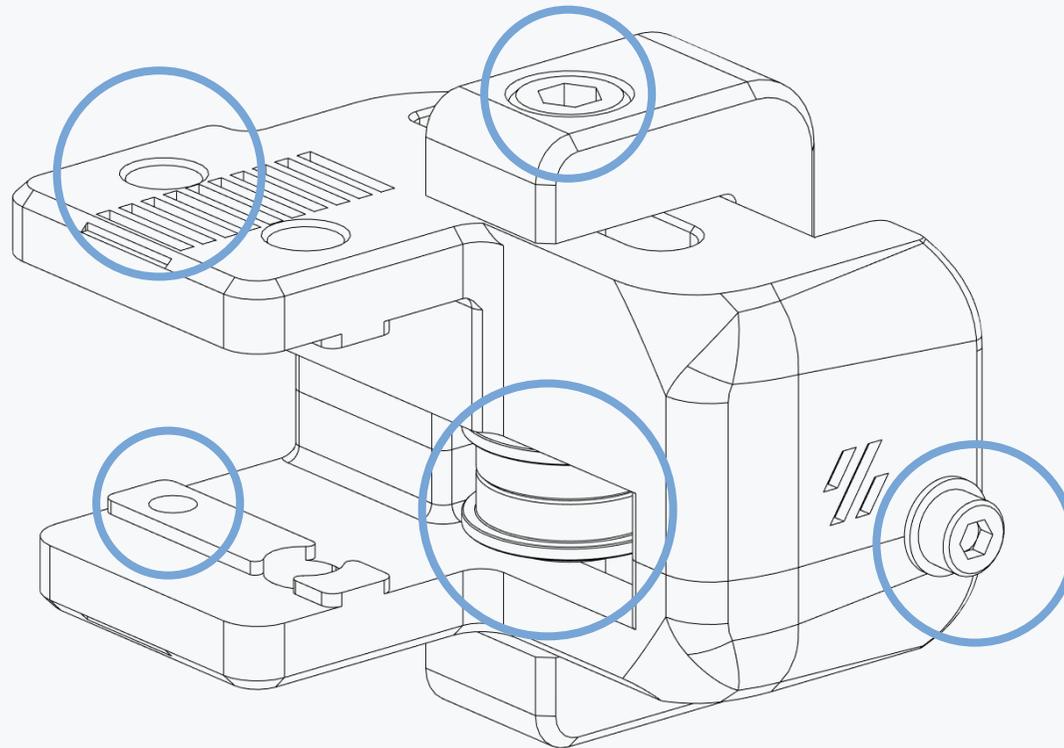
M5x40 SHCS



REMOVE ASSEMBLY AID

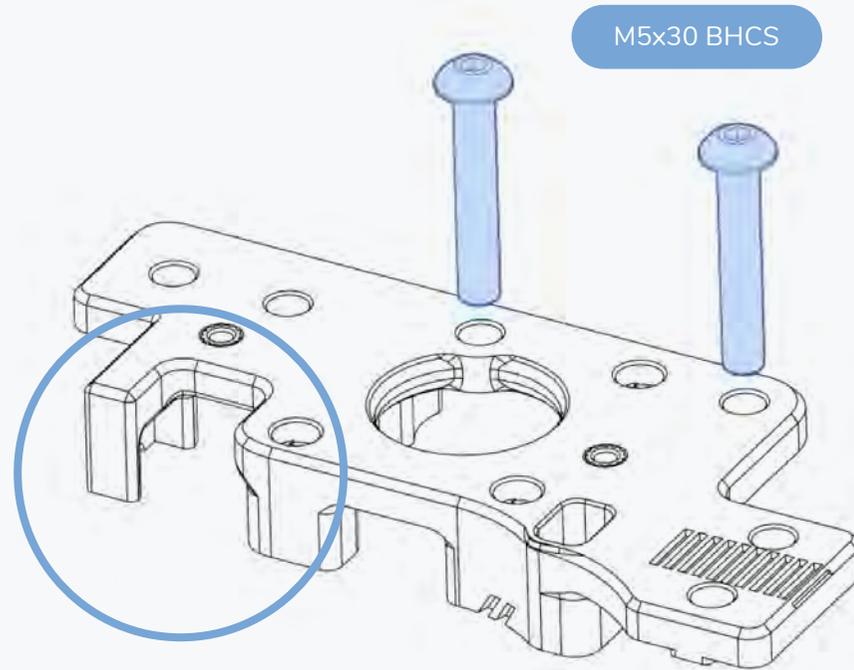
Remove the bolt and slide the tension arm into place.





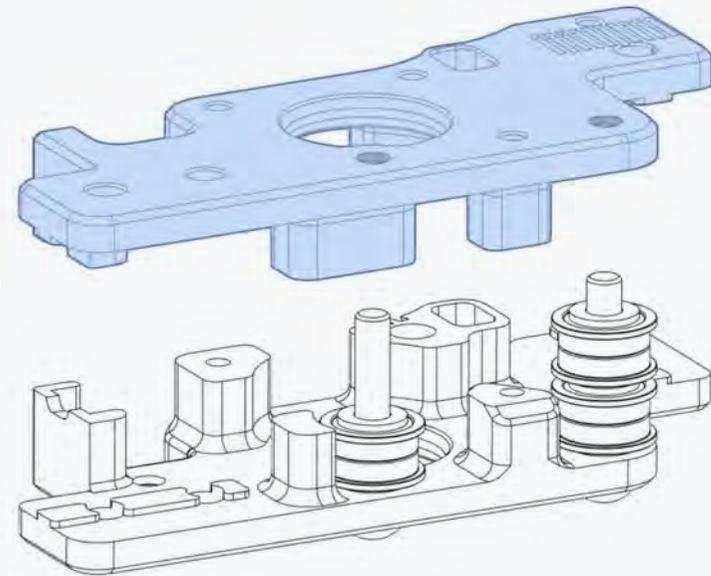
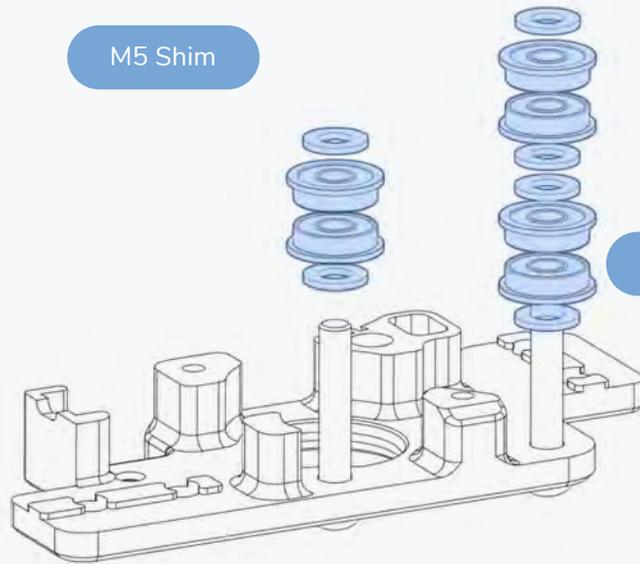
CHECK YOUR WORK

Compare your assembled parts to the graphics shown here. Pay attention to the features highlighted by the circles.



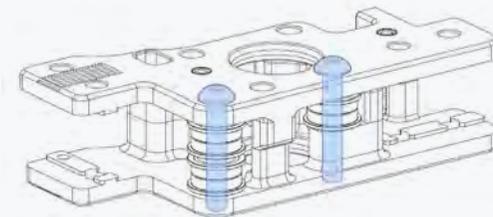
CUTOUT

The printed parts for the A drive have a cutout.



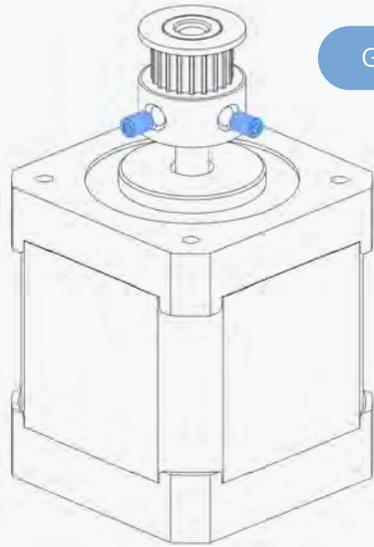
UPSIDE DOWN ASSEMBLY

For ease of assembly we recommend to assemble the A and B drives upside down.



DON'T OVER TIGHTEN

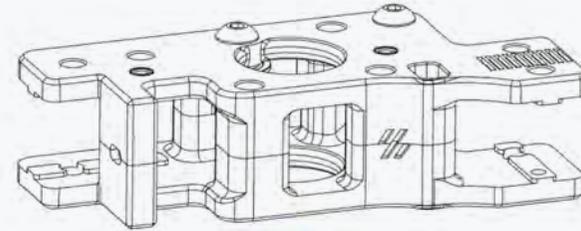
The M5 bolts are threaded directly into plastic.



GT2 20 Tooth Pulley

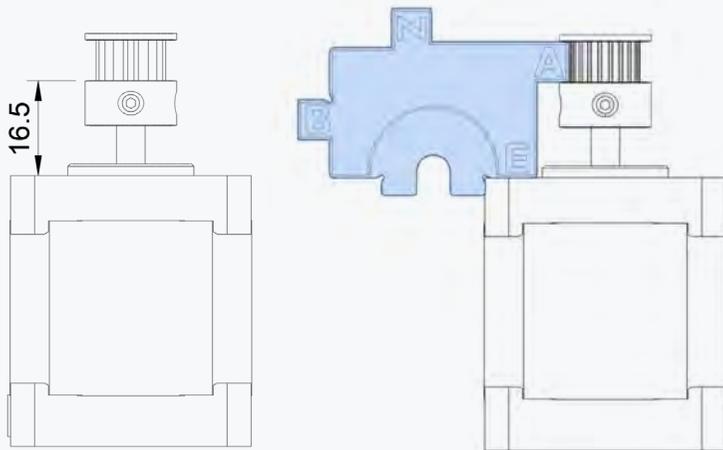
APPLY THREAD LOCKER

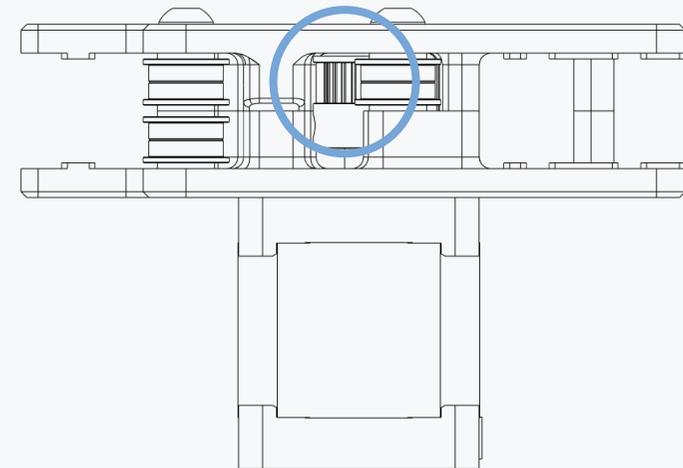
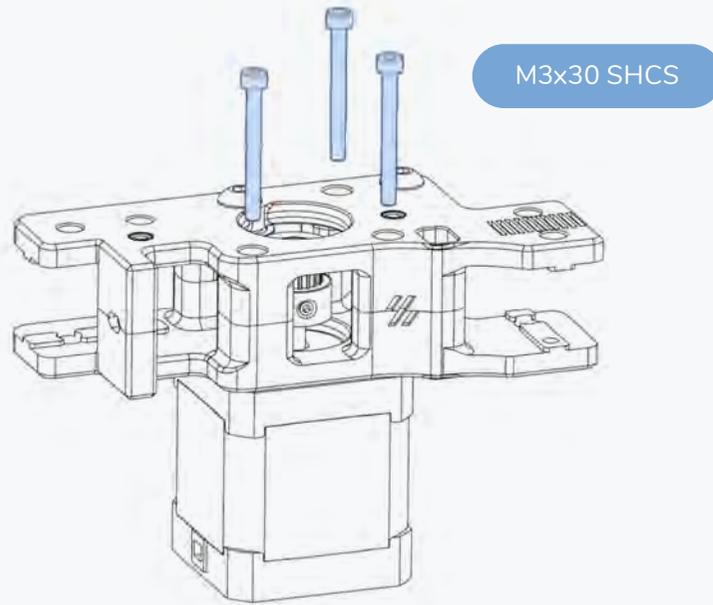
Make sure to use thread locker on the set screws.



MOTOR ORIENTATION

Pay attention to the orientation of the cable exit. The wires from the motors will be pointing towards each other once fully assembled.

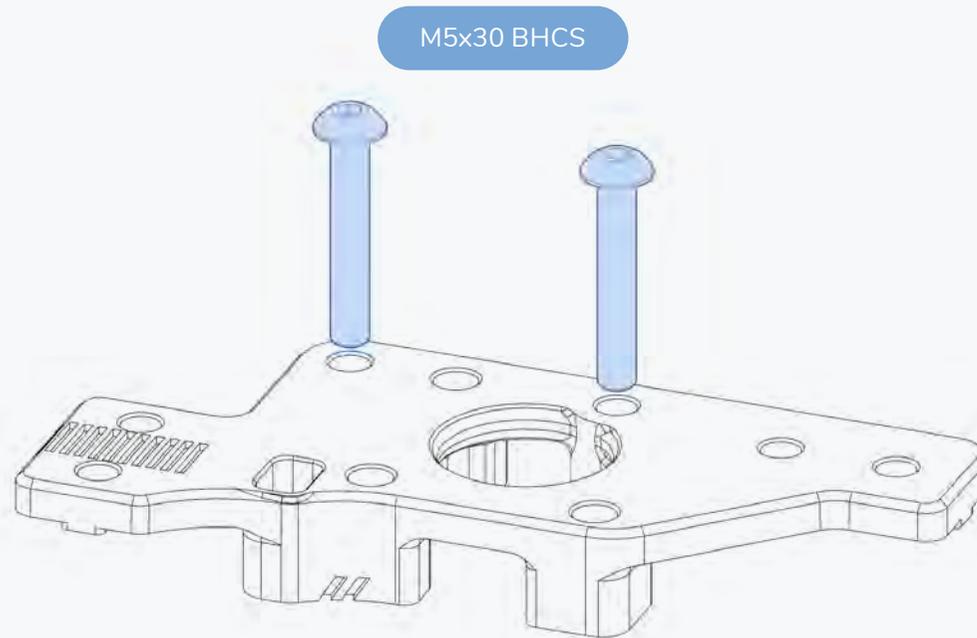


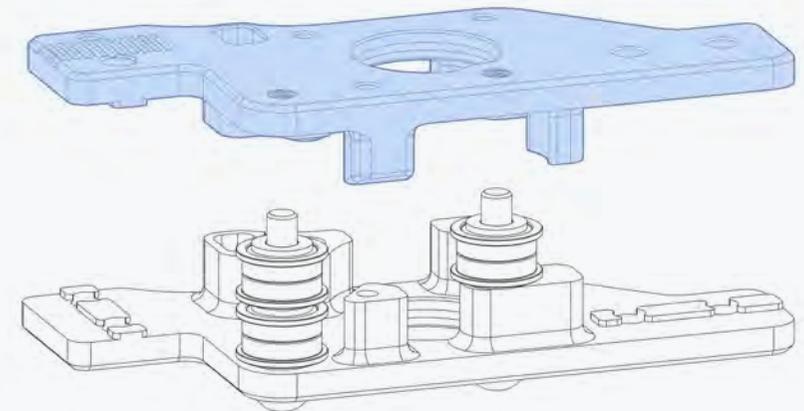
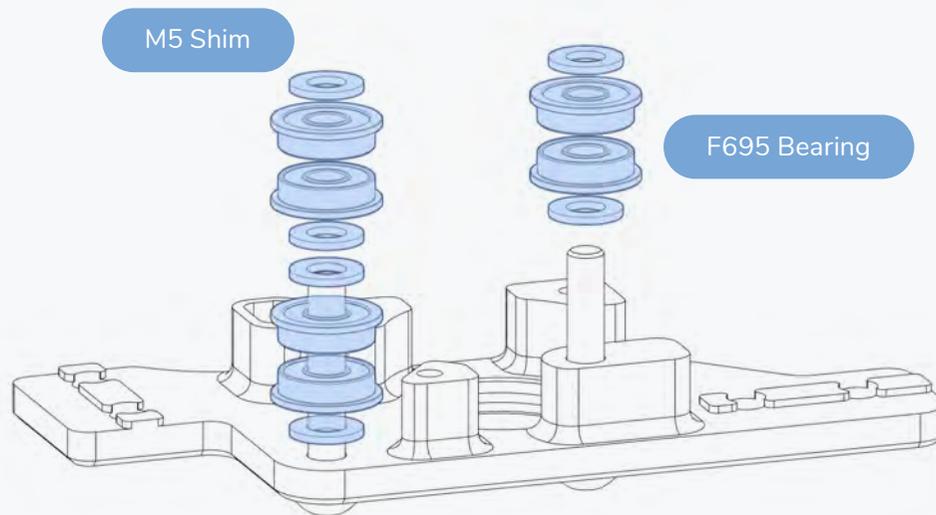


CHECK YOUR WORK

Compare your assembled part to the graphic shown here.

Pay attention to the pulley orientation and alignment with the bearing stack ups.



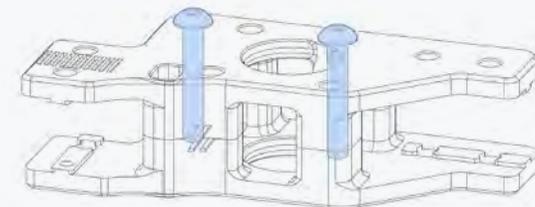


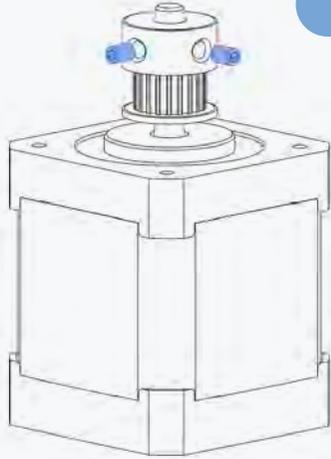
UPSIDE DOWN ASSEMBLY

For ease of assembly we recommend to assemble the A and B drives upside down.

DON'T OVER TIGHTEN

The M5 bolts are threaded directly into plastic.

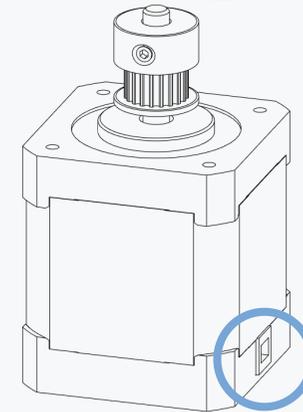
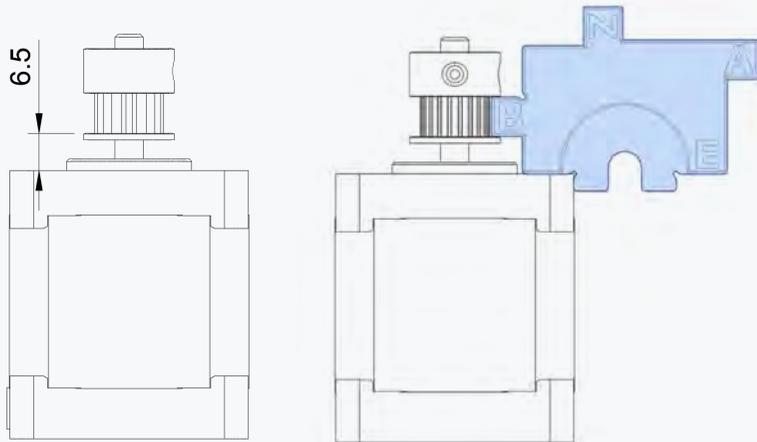
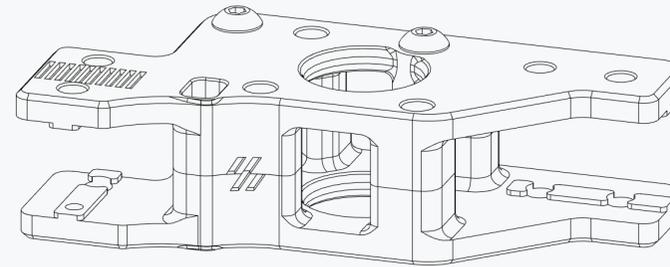




GT2 20 Tooth Pulley

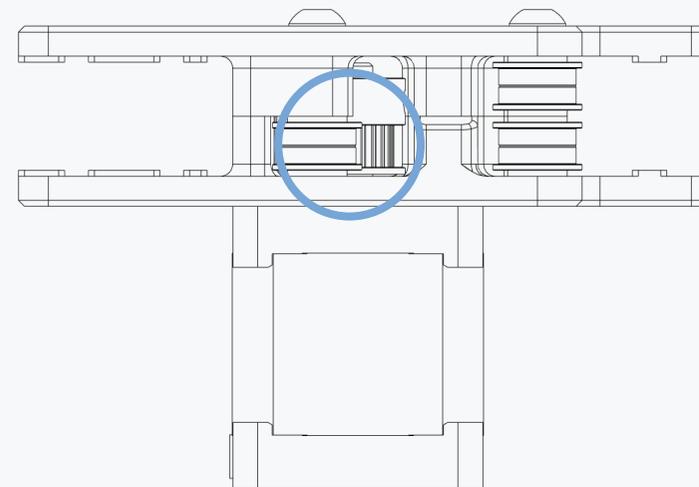
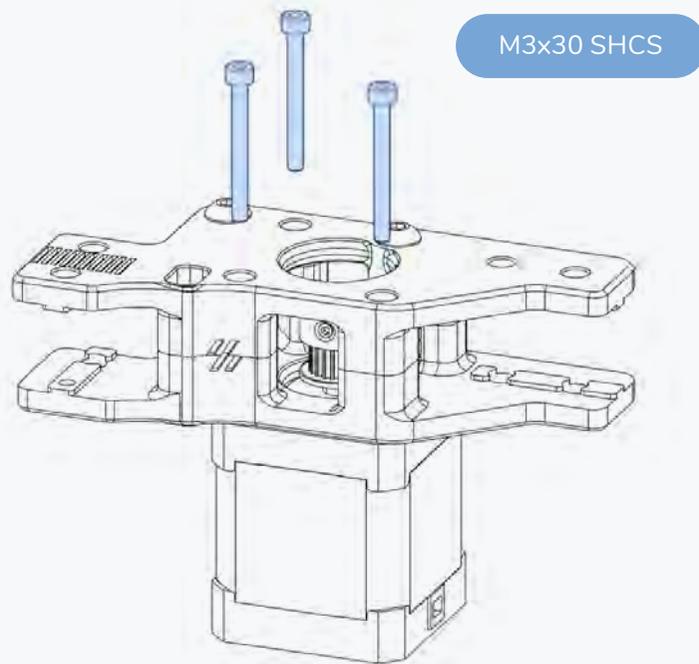
APPLY THREAD LOCKER

Make sure to use thread locker on the set screws.



MOTOR ORIENTATION

Pay attention to the orientation of the cable exit.



CHECK YOUR WORK

Compare your assembled part to the graphic shown here.

Pay attention to the pulley orientation and alignment with the bearing stack ups.