

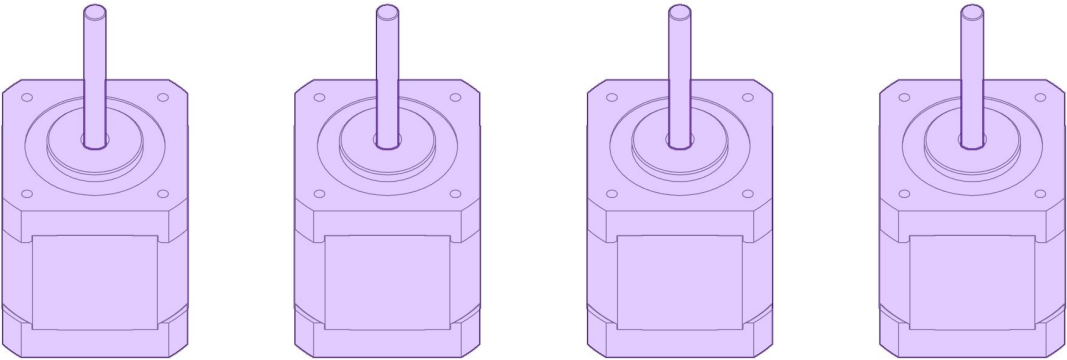
MONOLITH GANTRY X-AXIS MANUAL

DISCLAIMER

MONOLITH

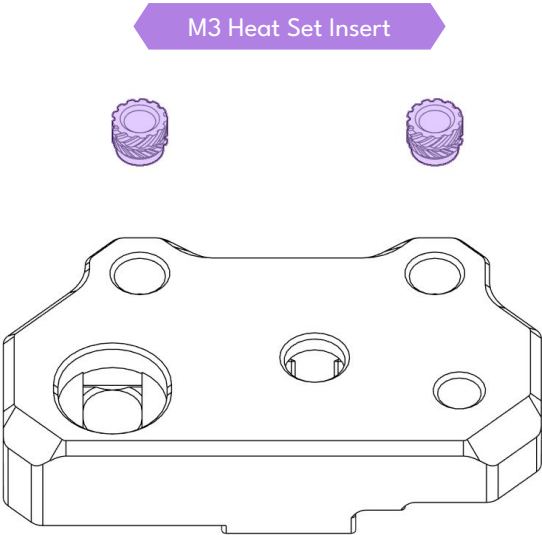
IMPORTANT NOTICE!

This manual is for **9mm AWD** - Make sure it's the one you printed, otherwise look at the manual for your specific configuration



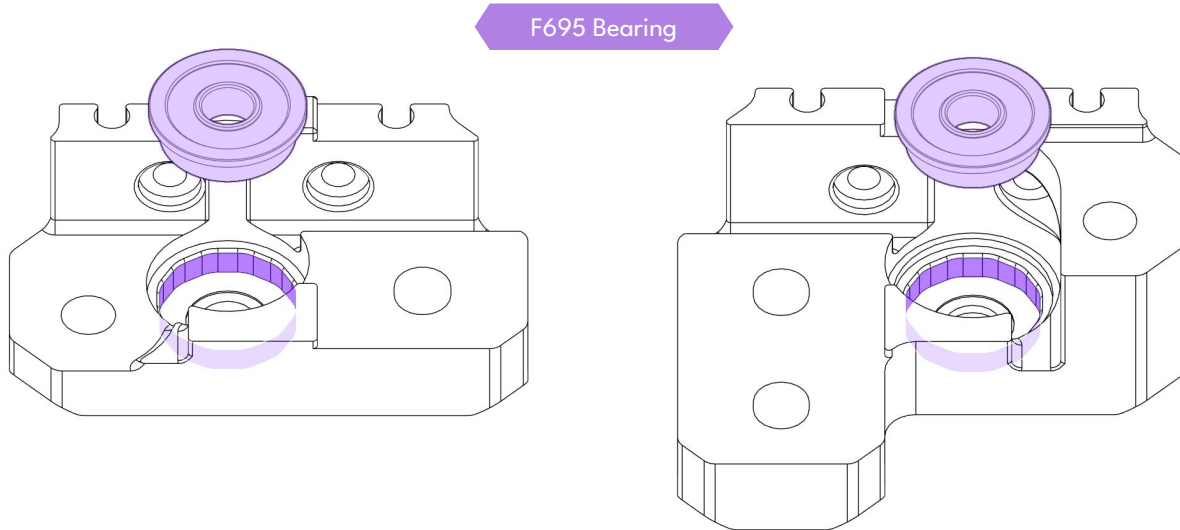
INSTALL HEAT SET INSERTS x4

The two bottom parts need M3 heat set inserts, four inserts total.
The bottom parts are the “rectangular” ones, not the “L shaped” ones



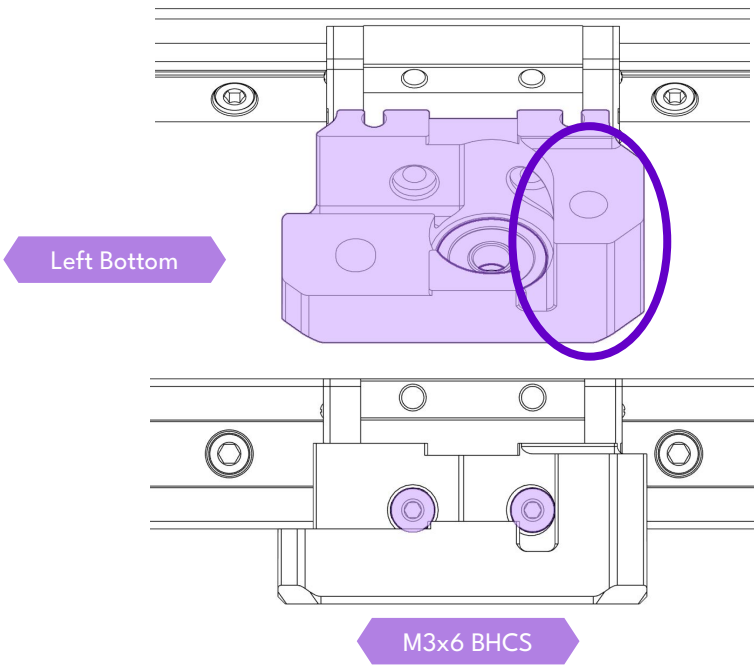
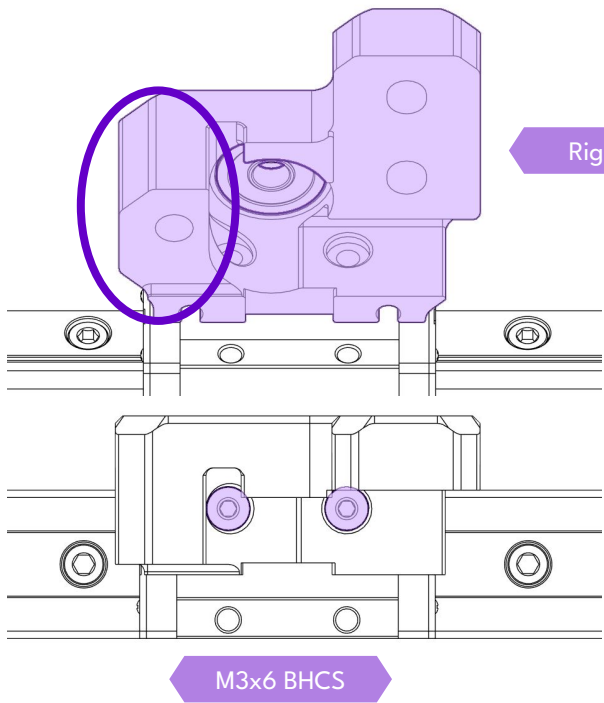
INSERT LIVE SHAFT BEARINGS x4

For all four printed parts you need to press in a F695 bearing, be sure to make it go all the way



ALIGN AND SECURE FIRST HALVES

Identify the two parts with a raised portion, then orient them so that the “hump” faces the front of the printer, finally install them on the rail carriages firmly tightening the screws, as they will be inaccessible later

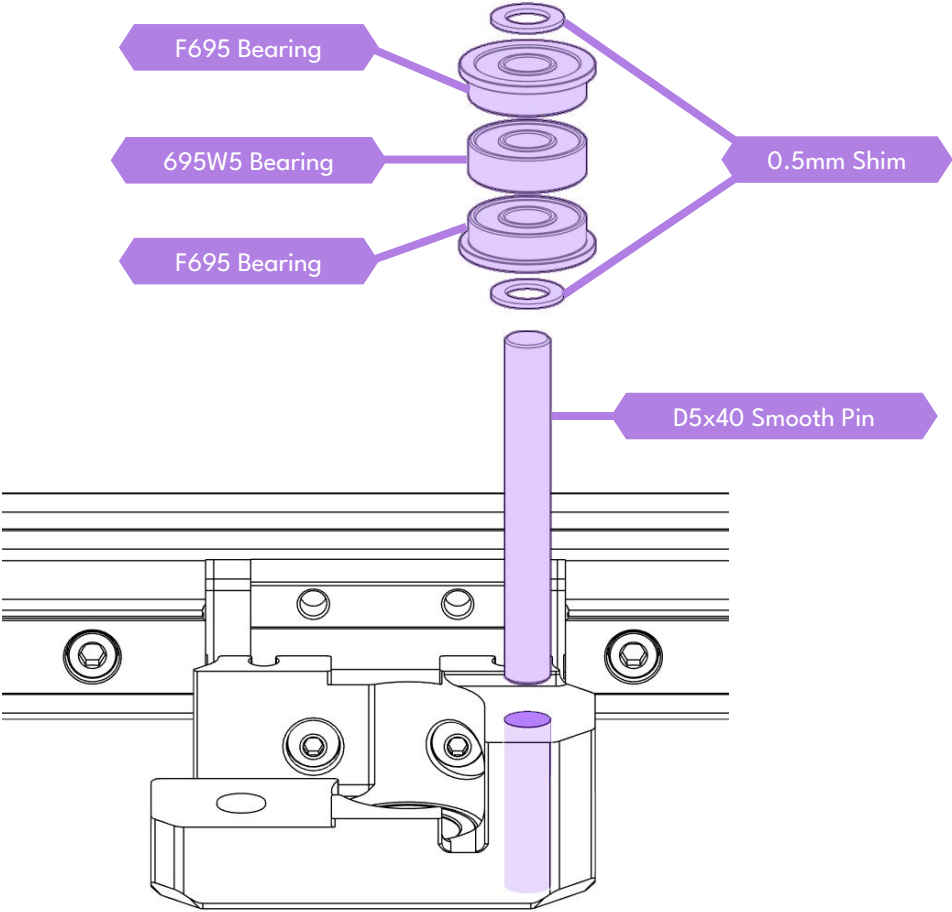


LEFT XY JOINT

MONOLITH

CAREFUL WITH THE SHIMS

Different shims are used, so make sure to put each one in the correct place and not use wrong thicknesses

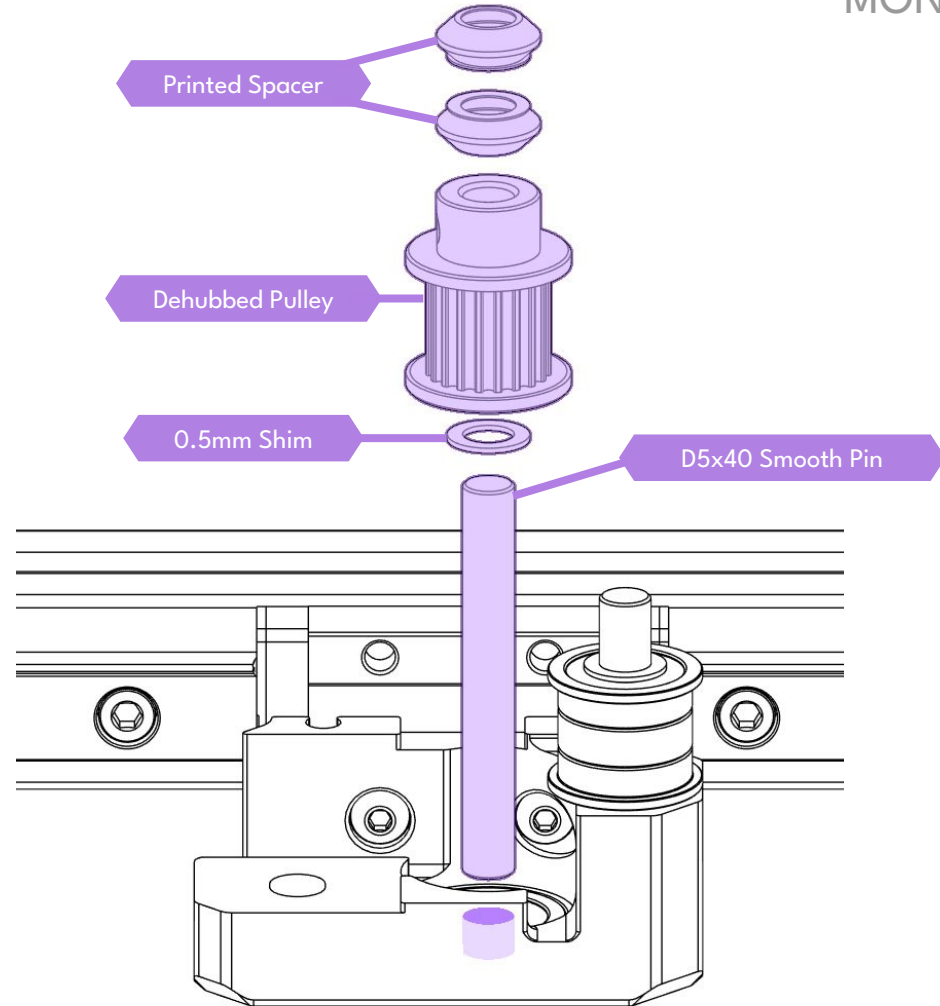


LEFT XY JOINT

MONOLITH

SECURE THE PULLEY

After sliding on your already dehugged pulley remember to tighten the set screws to fix it in place on the smooth pin

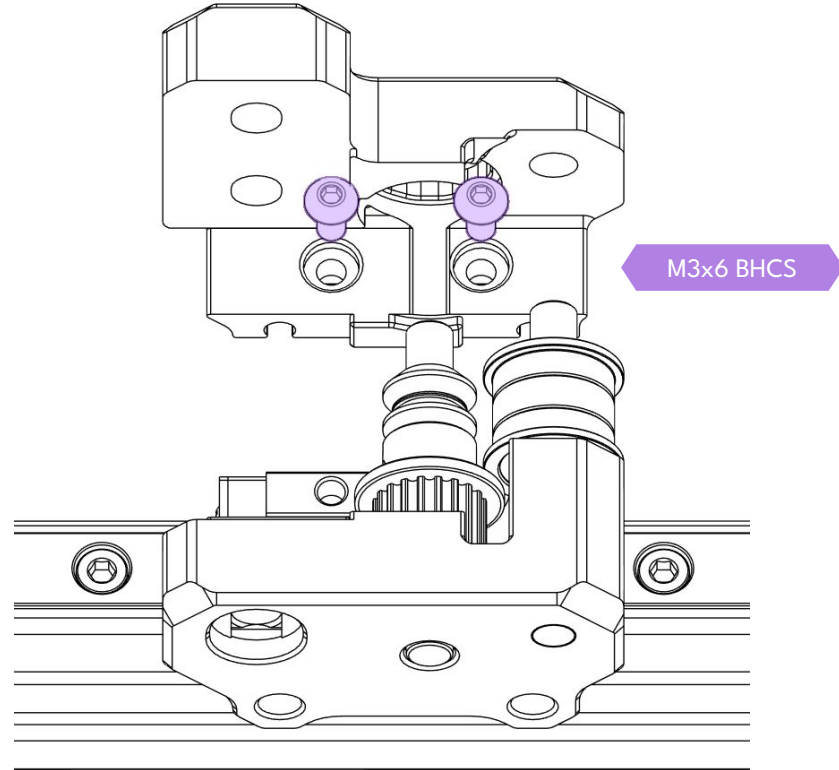


LEFT XY JOINT

MONOLITH

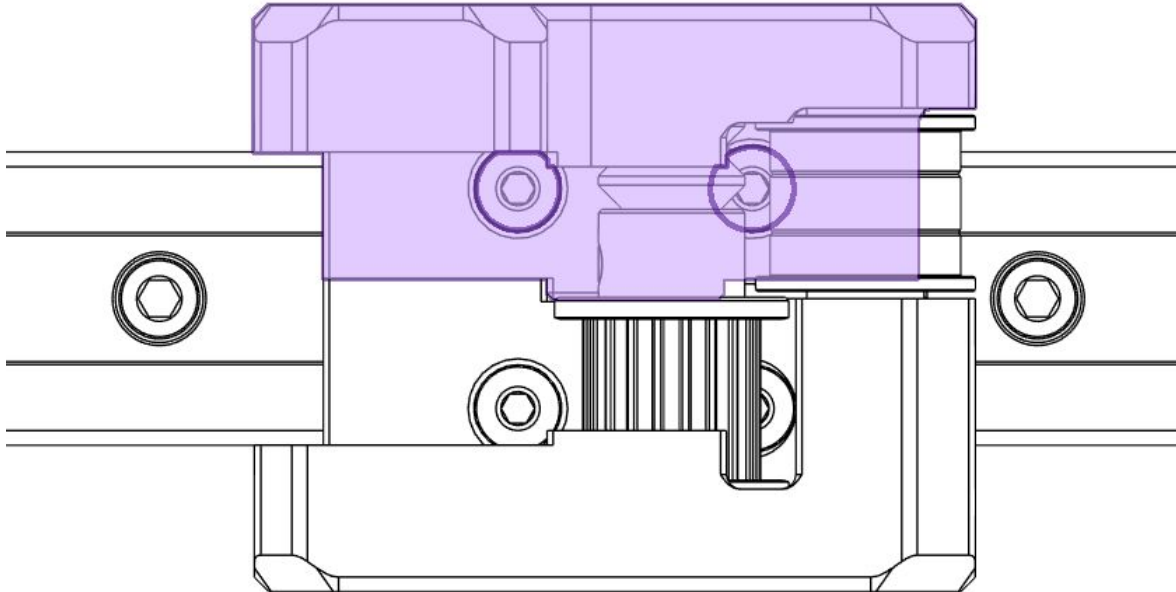
PREPARE THE TOP HALF

While the top part is in your hand slide in the two carriage screws, because they won't be accessible later



INSTALL THE TOP HALF

You can finally slide on the top part, and then using a thin allen wrench tighten the carriage screws

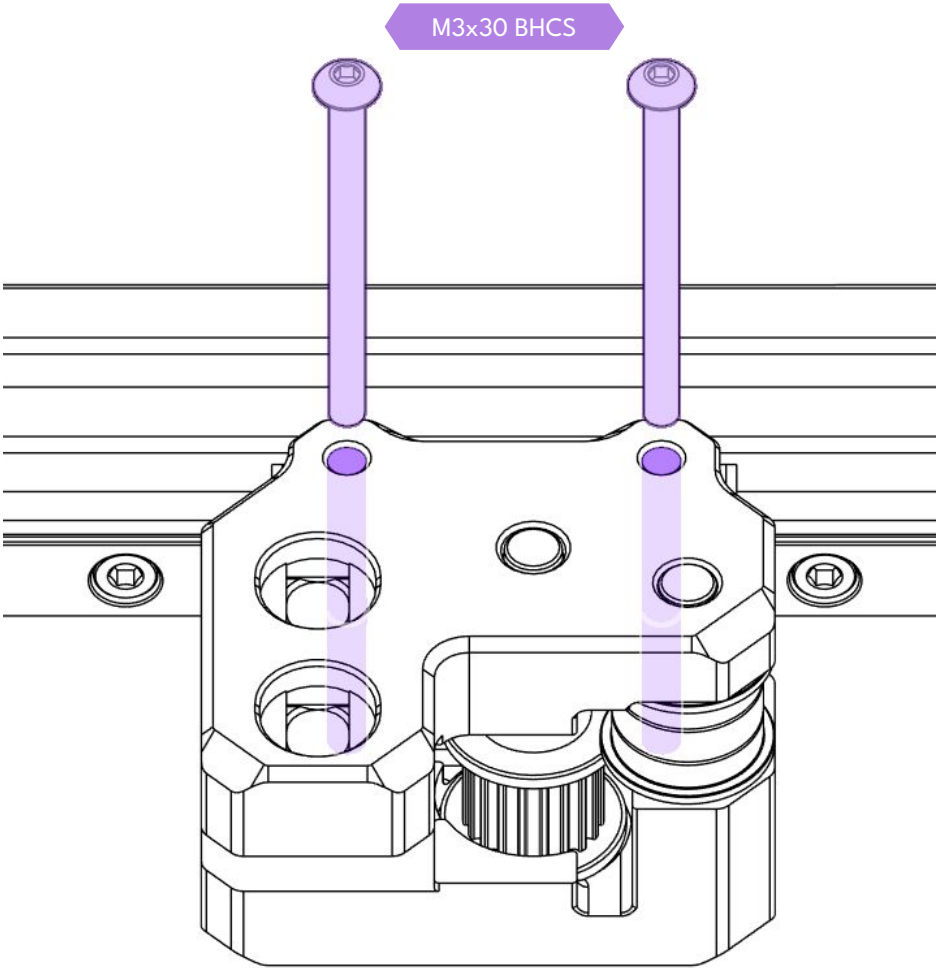


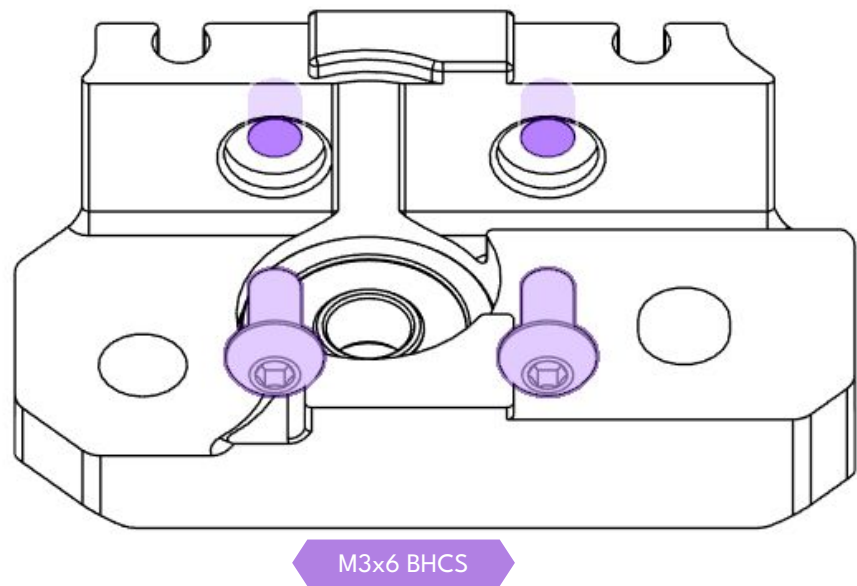
LEFT XY JOINT

MONOLITH

INSTALL THE BONES

The XY joint is finished by installing the two long screws that keep the assembly compressed together





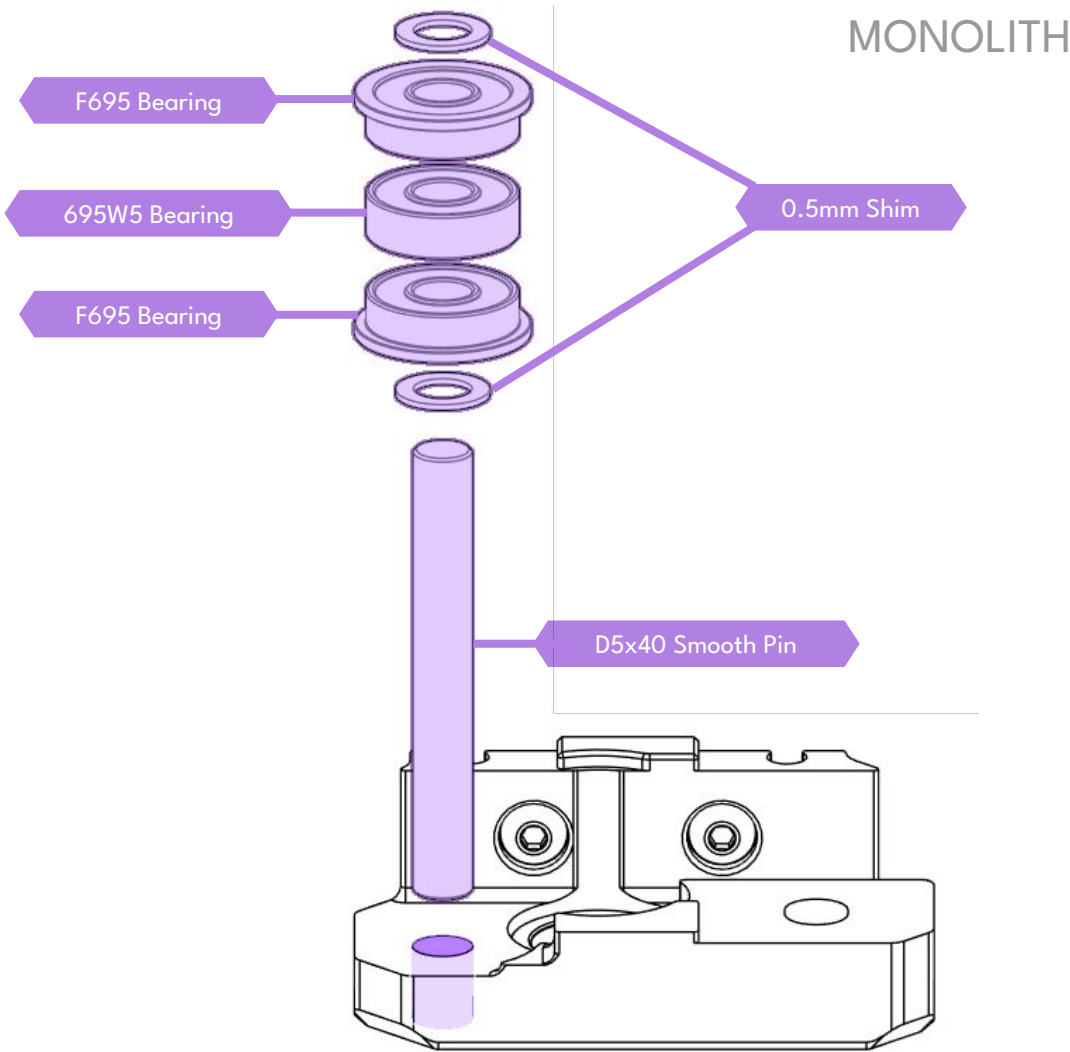
PREPARE THE BOTTOM HALF

While the top part is in your hand slide in the two carriage screws, because they won't be accessible later

RIGHT XY JOINT

CAREFUL WITH THE SHIMS

Different shims are used, so make sure to put each one in the correct place and not use wrong thicknesses

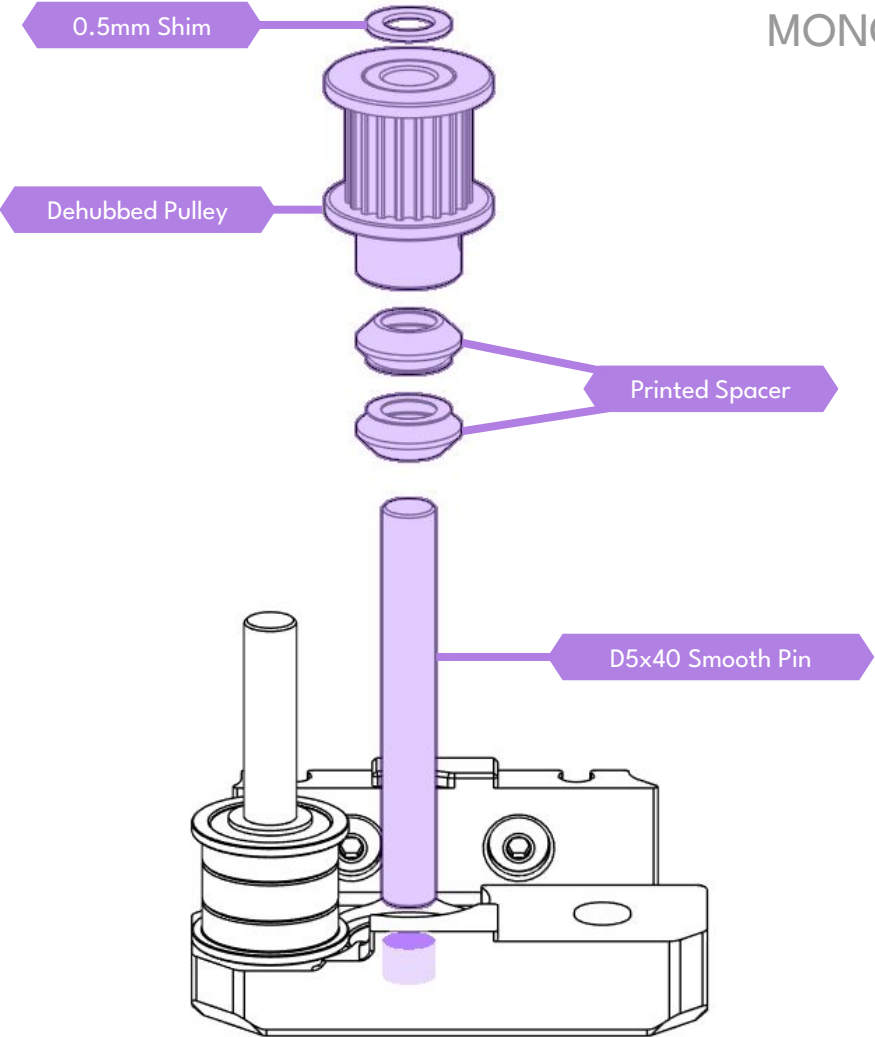


RIGHT XY JOINT

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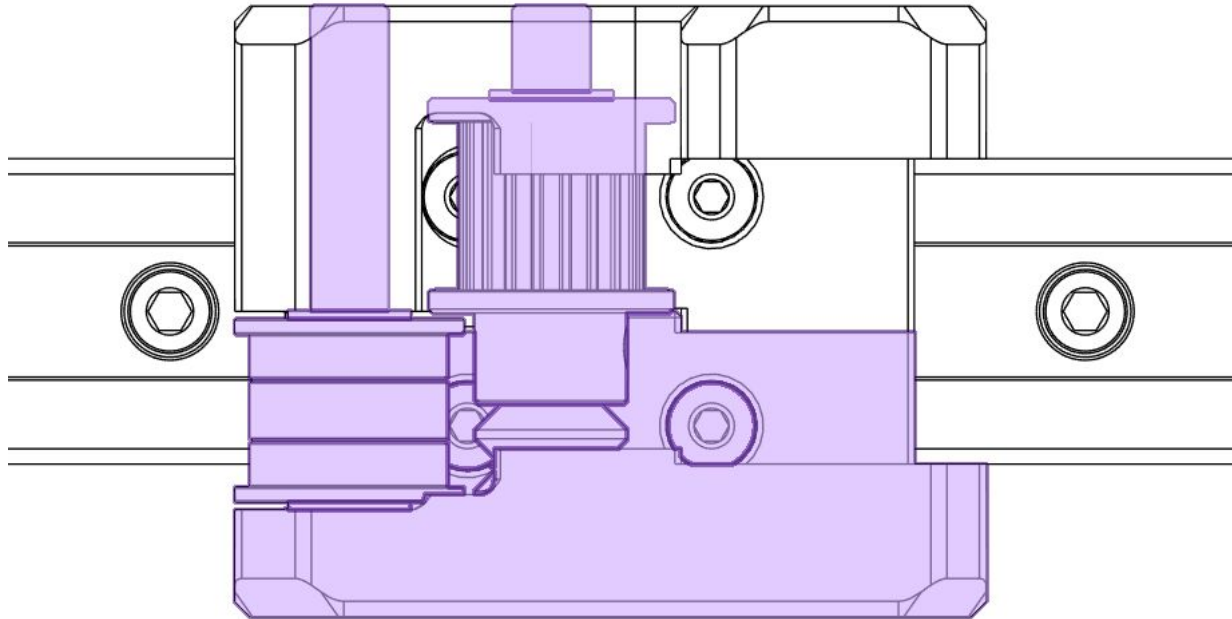
SECURE THE PULLEY

After sliding on your already dehubbed pulley remember to tighten the set screws to fix it in place on the smooth pin



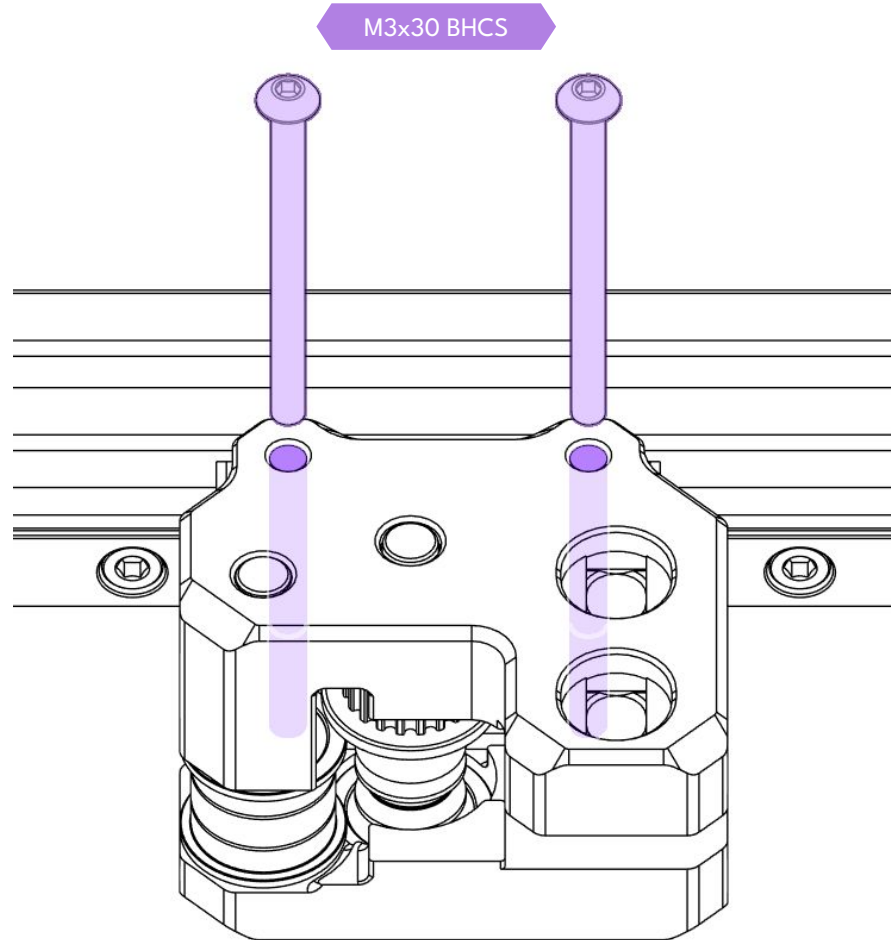
INSTALL THE BOTTOM HALF

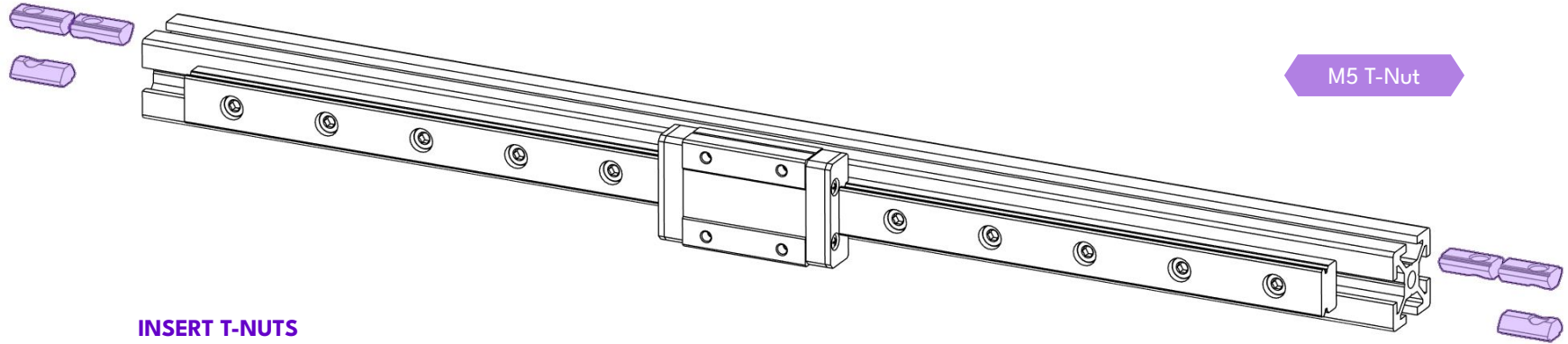
You can finally slide on the bottom part, and then using a thin allen wrench tighten the carriage screws



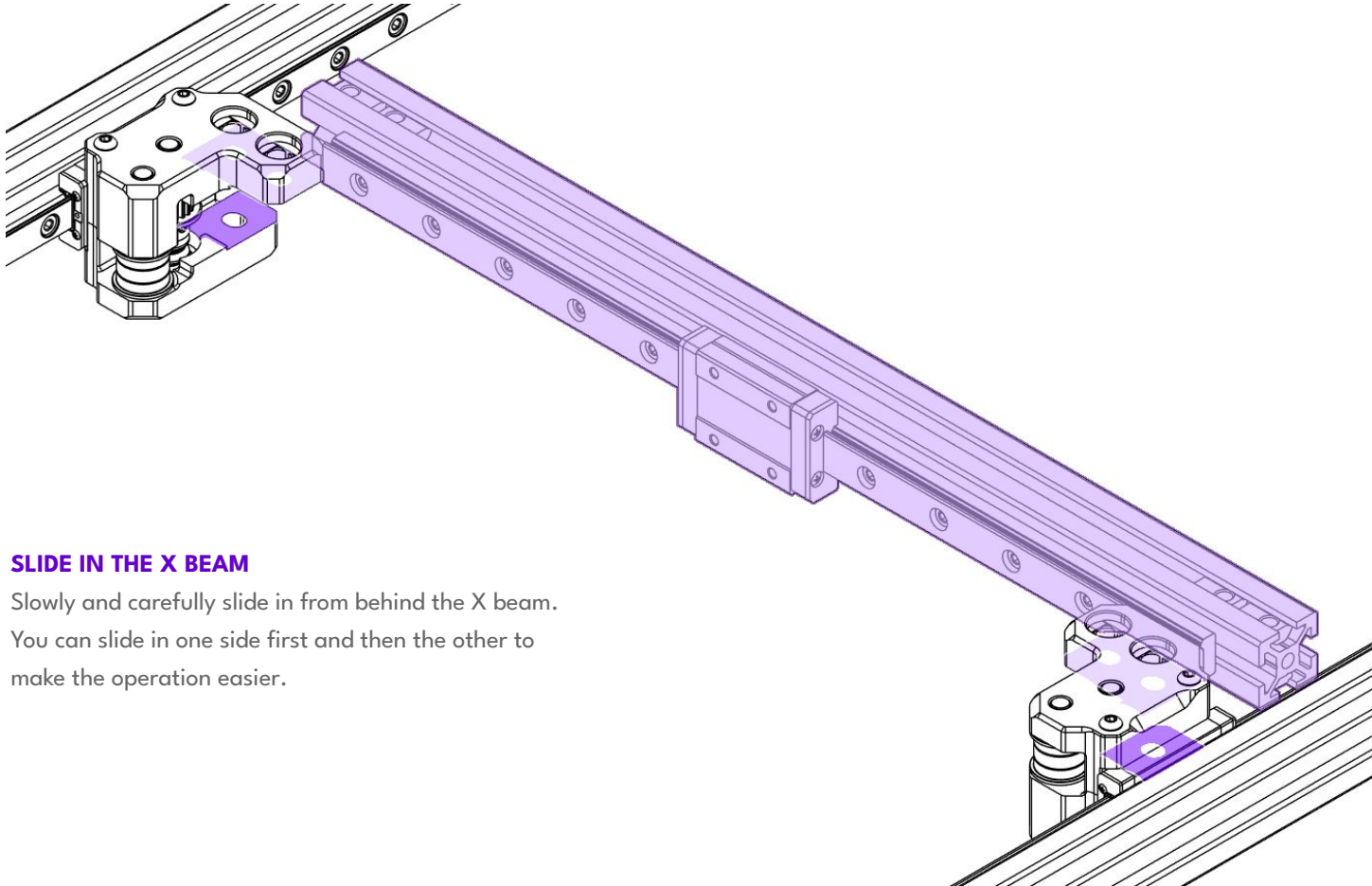
INSTALL THE BONES

The XY joint is finished by installing the two long screws that keep the assembly compressed together

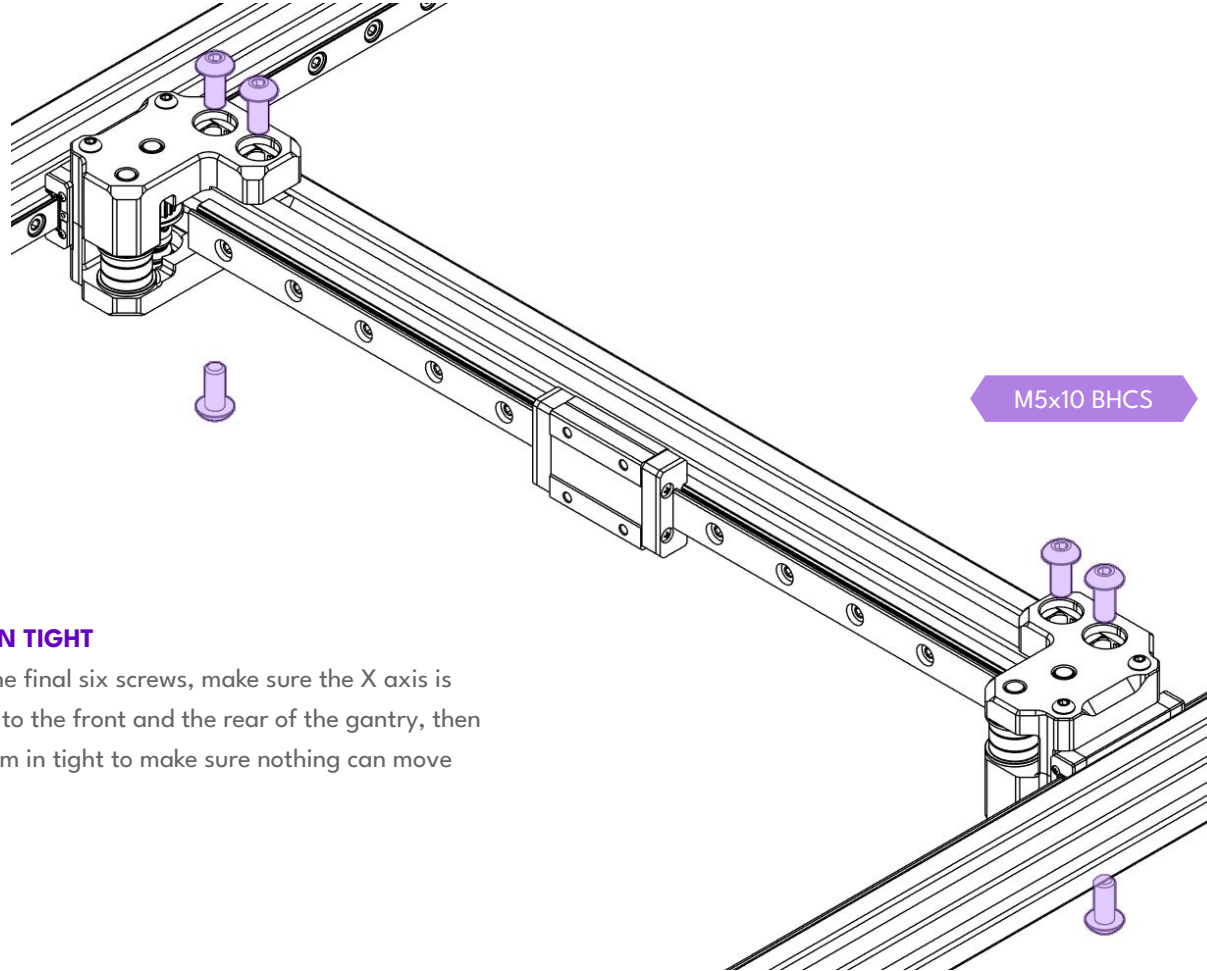


**INSERT T-NUTS**

Take your X extrusion and rail, and slide in two T-nuts per side on top, and one per side in the bottom

**SLIDE IN THE X BEAM**

Slowly and carefully slide in from behind the X beam.
You can slide in one side first and then the other to
make the operation easier.

**SCREW IN TIGHT**

Slide in the final six screws, make sure the X axis is trammed to the front and the rear of the gantry, then screw them in tight to make sure nothing can move

THANK YOU

MONOLITH

CloakedWayne

Creator of this amazing gantry

TheAdeo

Maker of the manual

Join us on Discord!

discord.gg/monolith3d

