

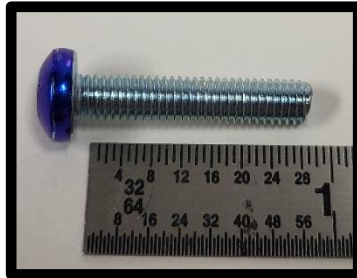
Material Identification Guide

Hardware Identifiers:

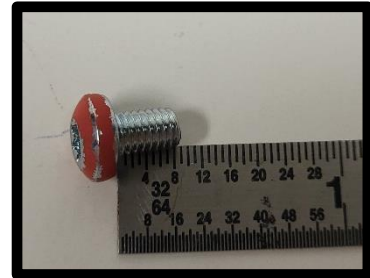
Pink – M5 T-Nut



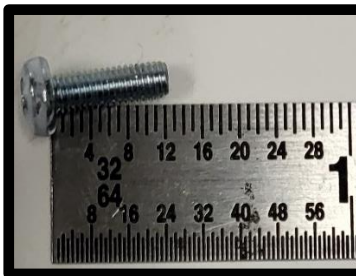
Blue – M5 x 25



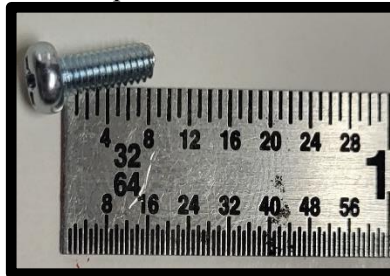
Red – M5 x 8



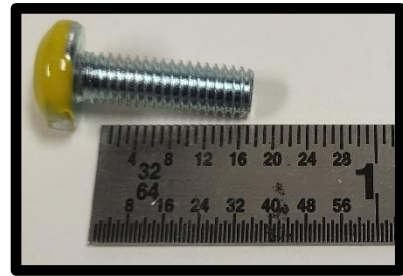
White – M3 x 10



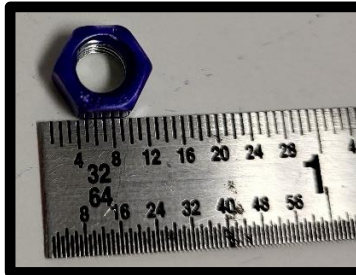
Unpainted – M3 x 8



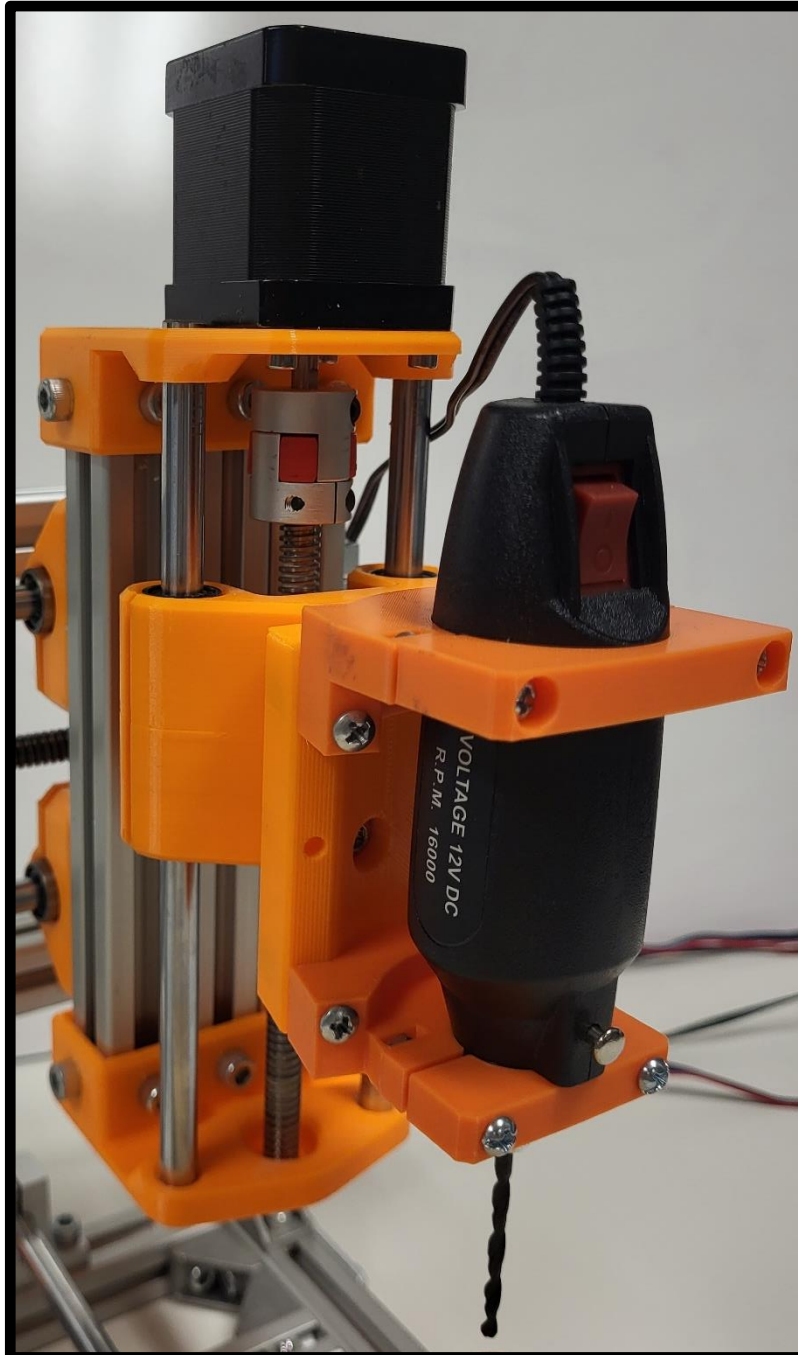
Yellow – M5 x 16



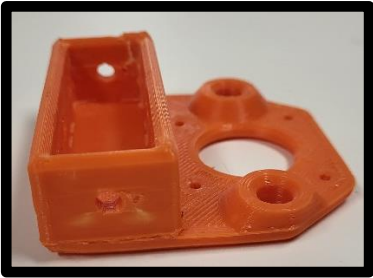
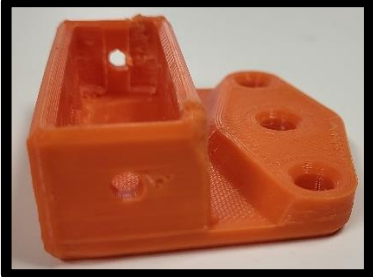
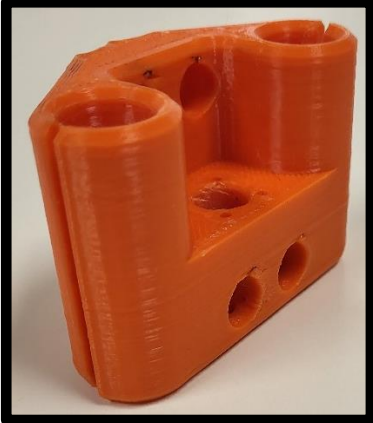


Blue – M5 Hex Nut




TOOLHEAD ASSEMBLY




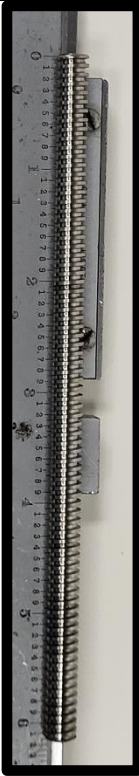

Materials Needed:

Printed Parts:	Quantity:	Description:
	1	Carriage Top Body
	1	Carriage Bottom Body
	1	Z-Axis Body
	4	Bearing Block LM8UU
	1	Pillow Block 608 Body


			1	Tool Mount
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Kit Components:

			8	LM8UU Linear Bearing
			2	Lead Screw Nut
			1	5x8 Coupling

	2	180mm Rod
	1	180mm Lead Screw
	3	170mm T-Slot Aluminum

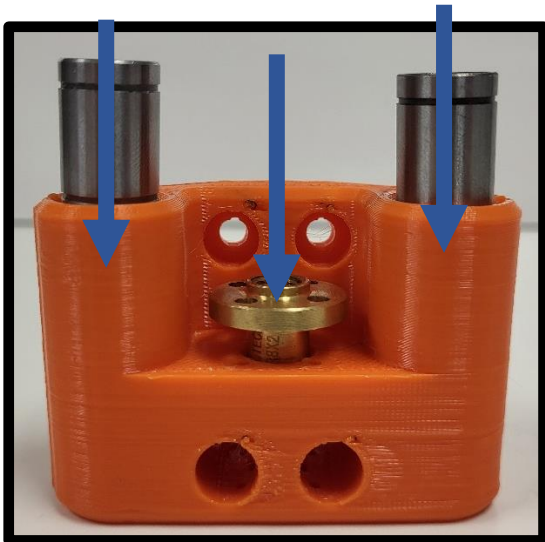
Tools Needed:

	2mm Allen Wrench
TORX DRIVER	T25 Torx Driver
PH 1 SCREWDRIVER	PH #1 Screwdriver

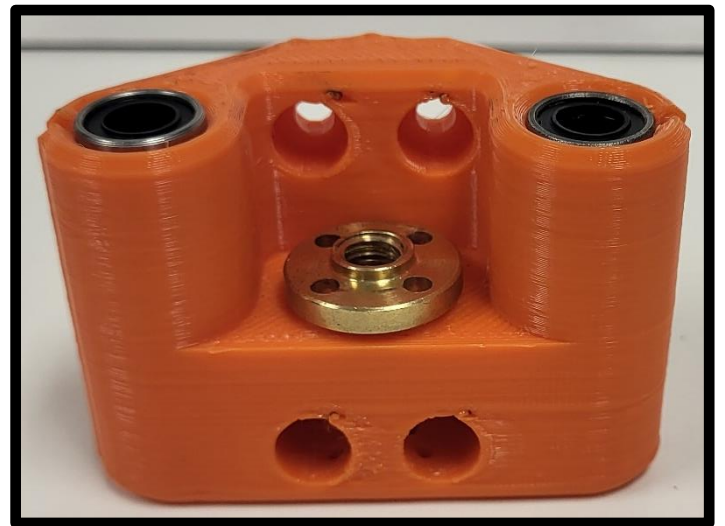
KEY	
	Blue Arrow: Press Fit
	Red Arrow: Tighten Screw or Bolt

Step 1: Vertical Carriage





1.A



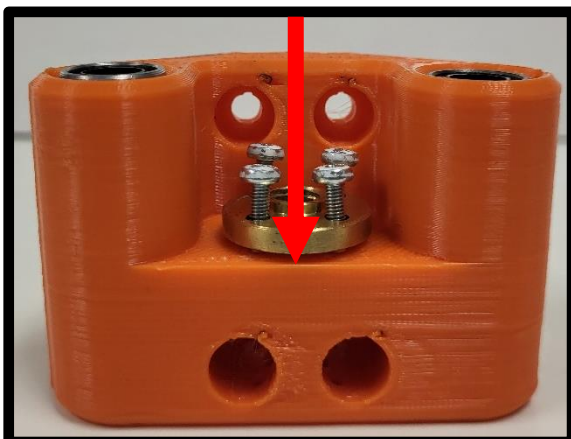
1.B



1.C



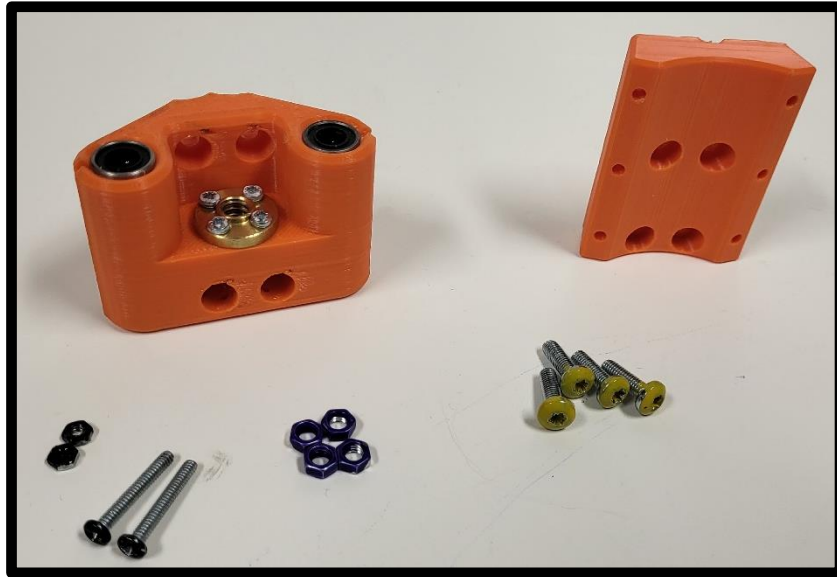
1.D



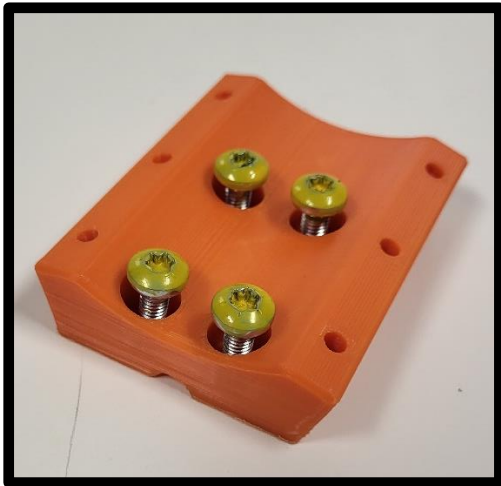
1.E



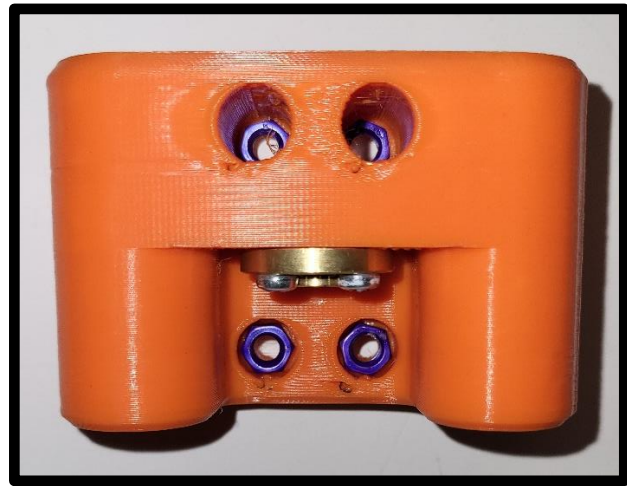
1.F



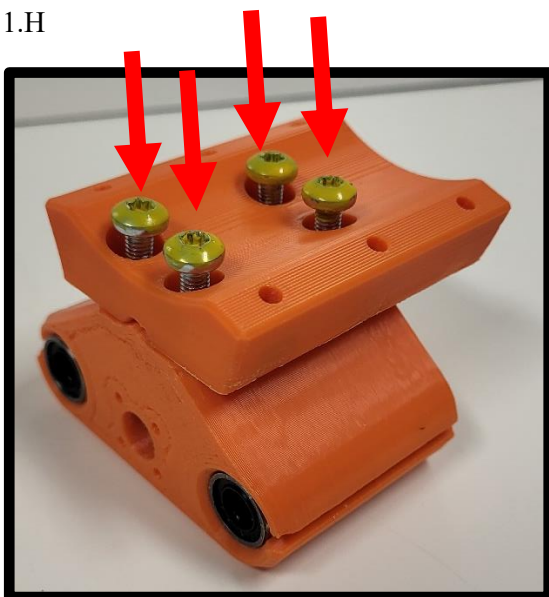
1.G



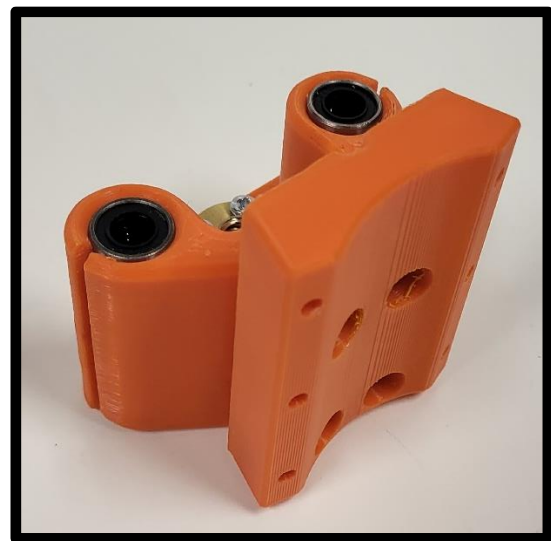
1.H



1.I



1.J

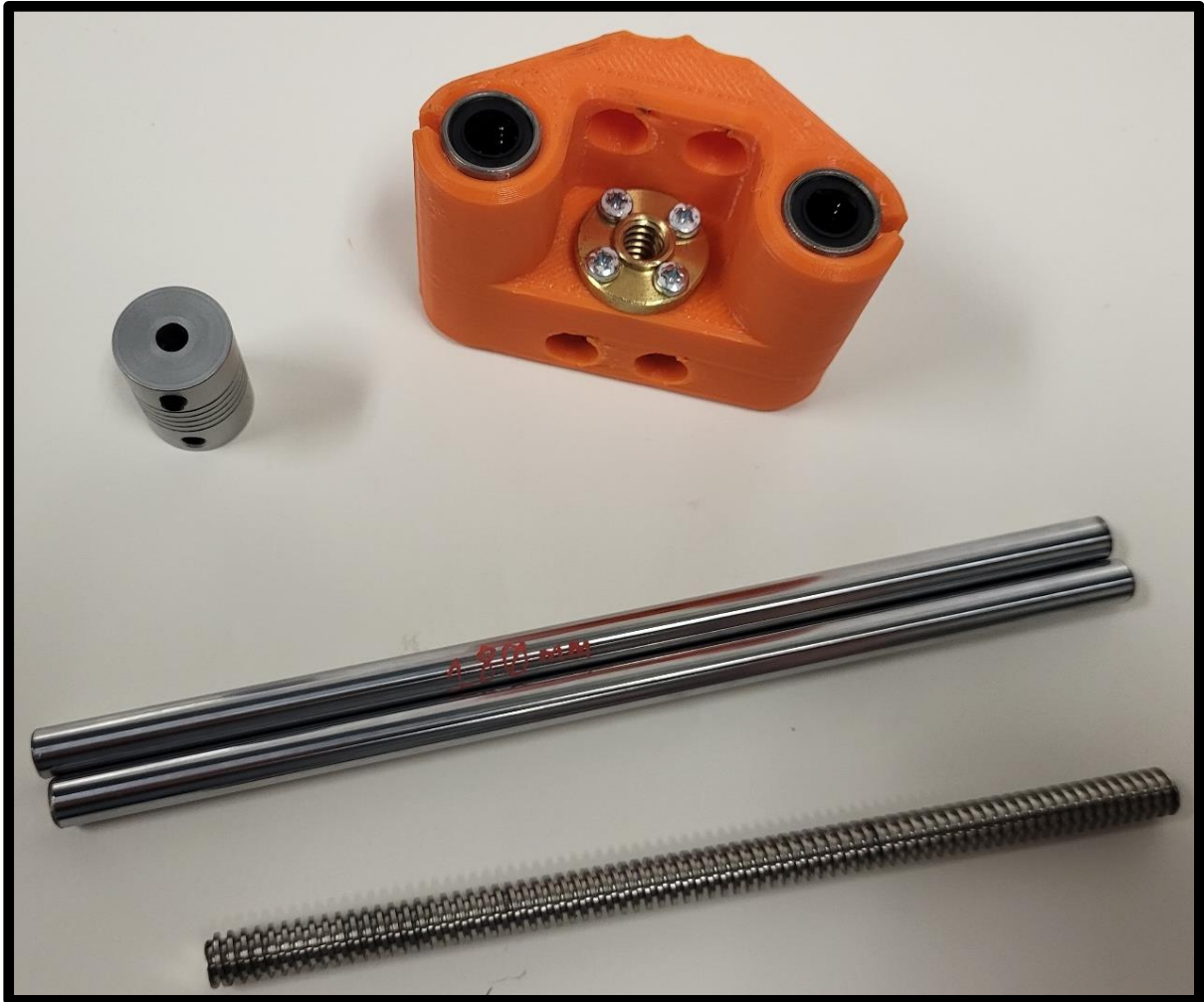


1.K

NOTES

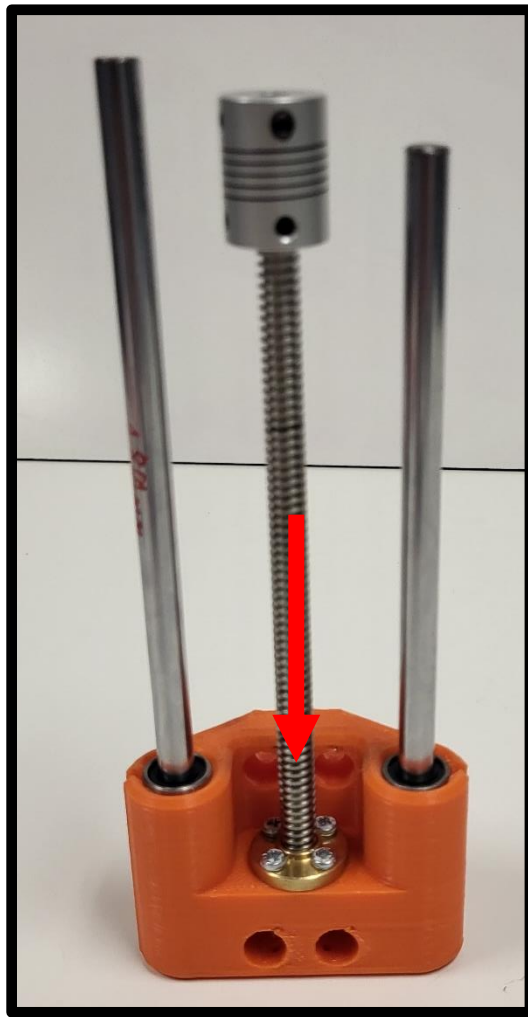
- Do Not Overtighten White Screws. They will strip the plastic.
- The carriage assembly must be completed to the 1.K step before proceeding in the assembly process. However, the following steps do not picture the tool mount part attached.

Step 2: Carriage Rails

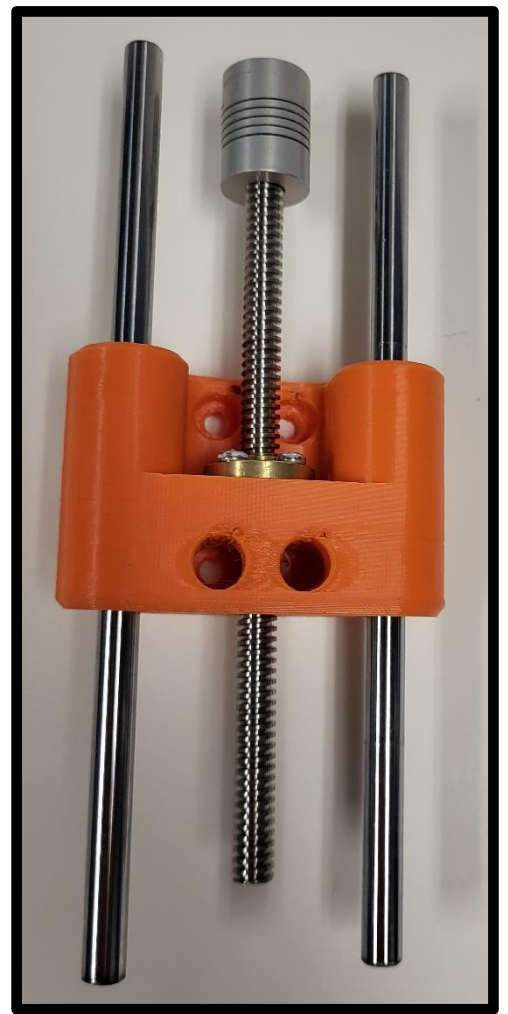




2.A



2.B



2.C

STEP 3: Toolhead Superstructure



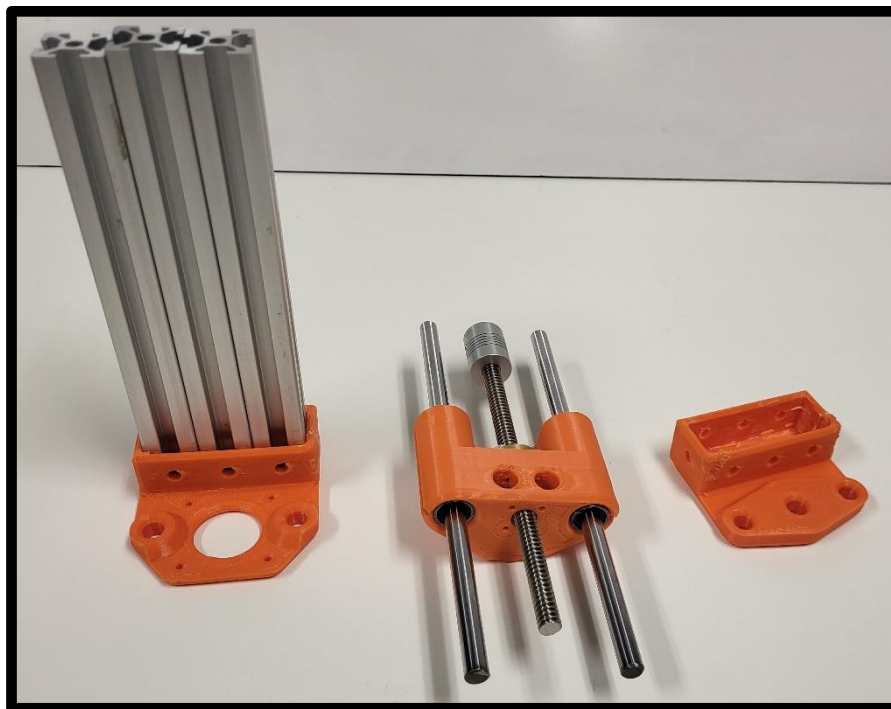
3.A



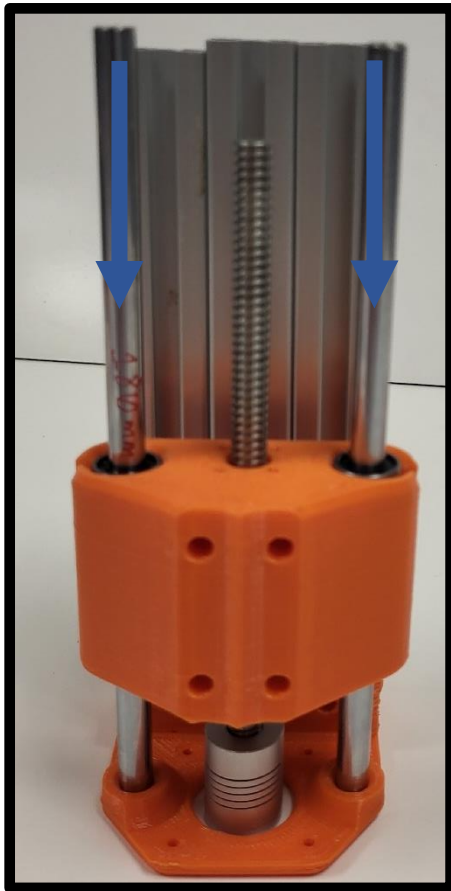
3.B



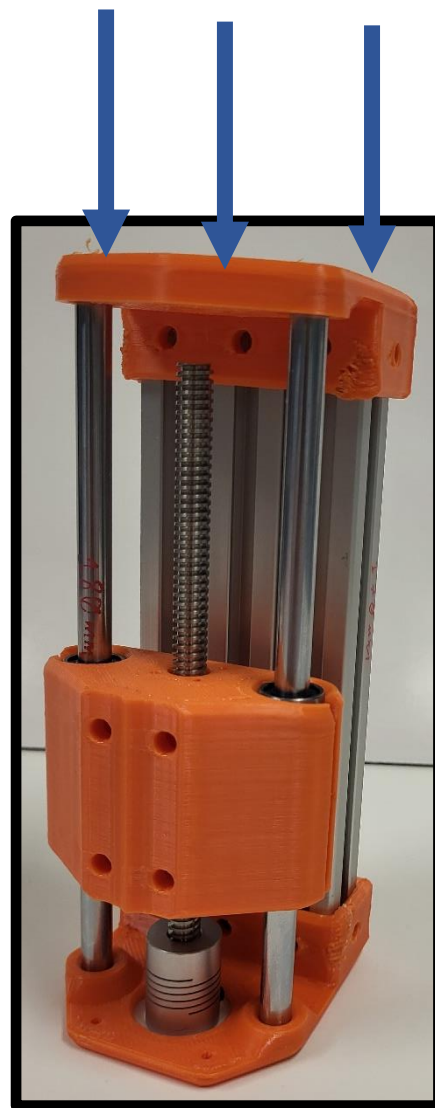
3.C



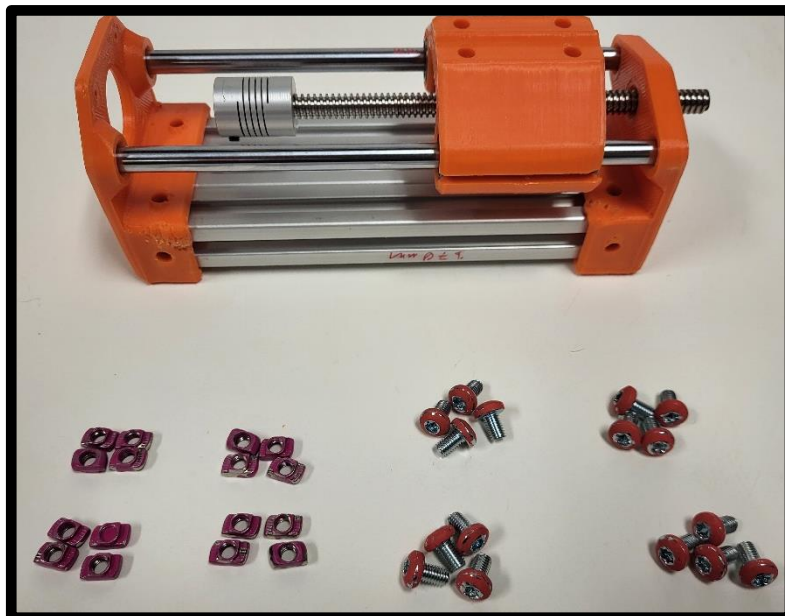
3.D



3.E



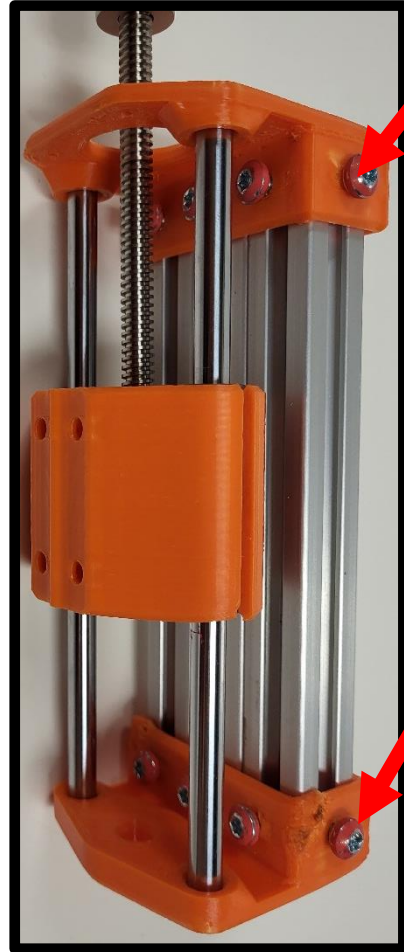
3.F



3.G



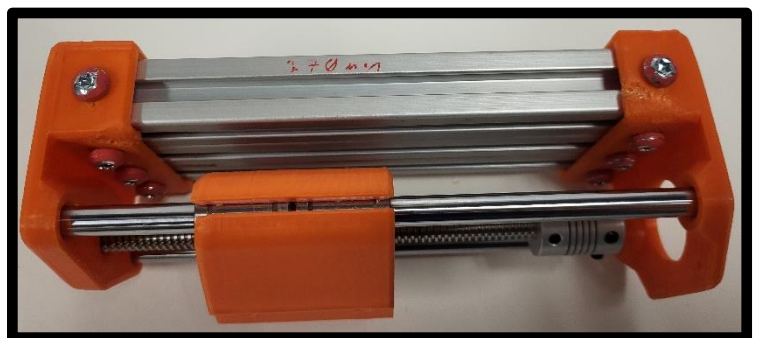
3.H (Position T-Nuts with Allen Wrench)



3.I (Tighten All 16)



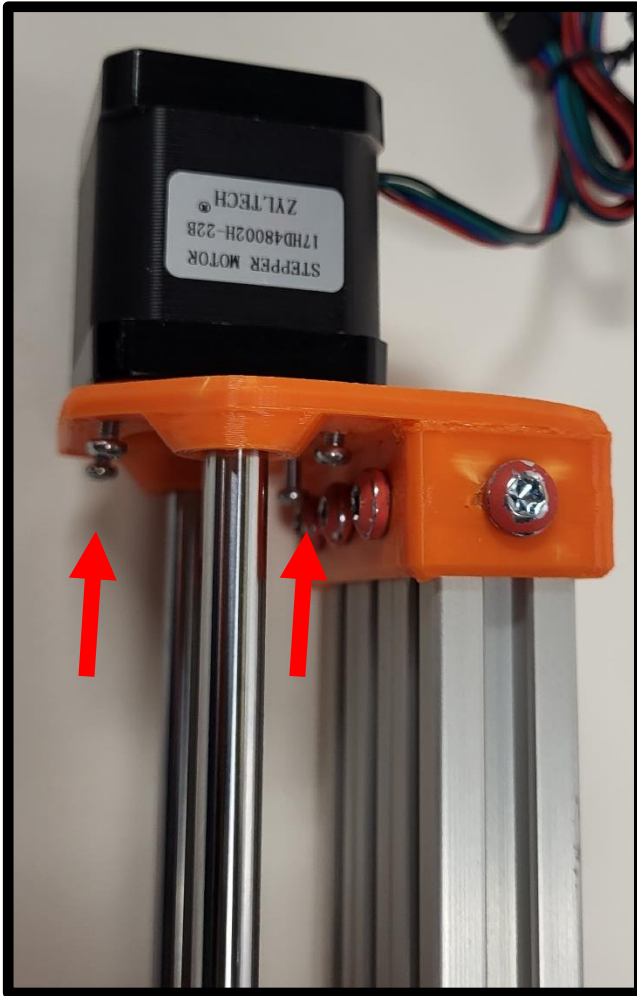
3.J (Left)



3.J (Right)

STEP 4: Stepper Mount

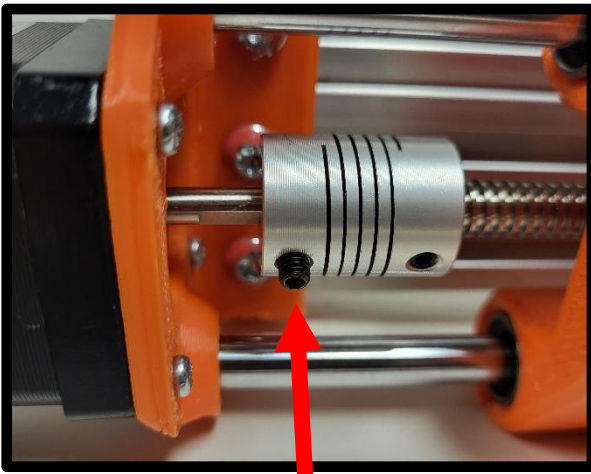




4.A



4.B

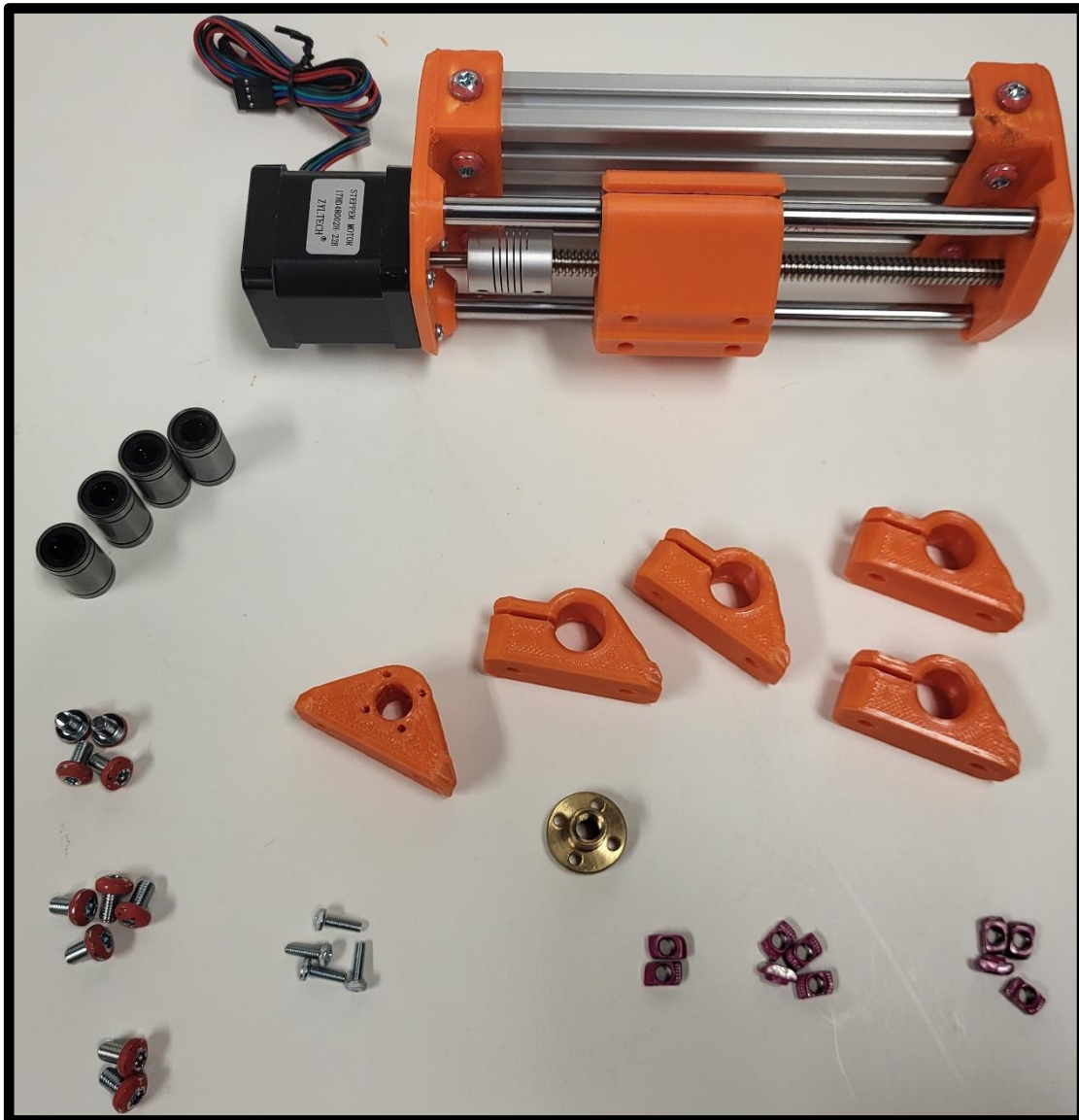


4.C



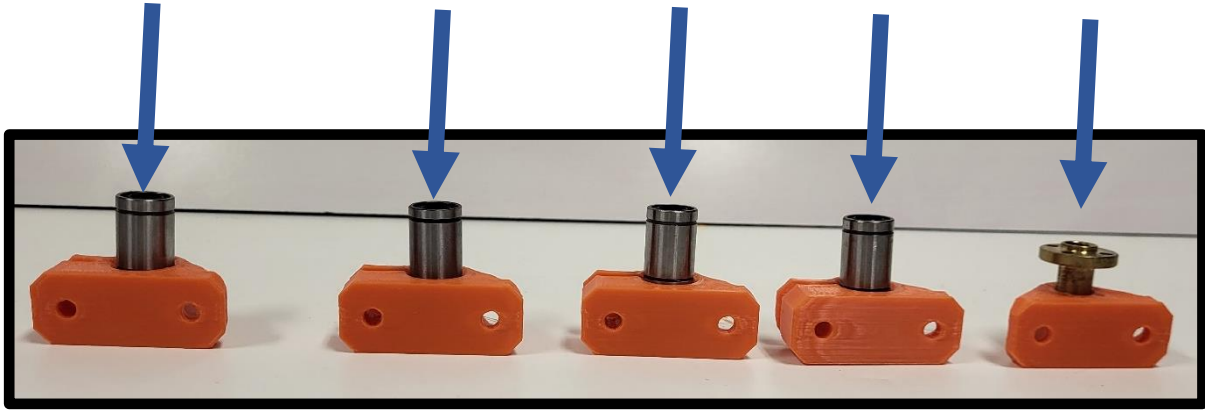
4.D

STEP 5: Final Assembly



CORRECTION:

- The pictured 10 red-topped machine screws should be 6 yellow-topped and 4 blue-topped screws instead.



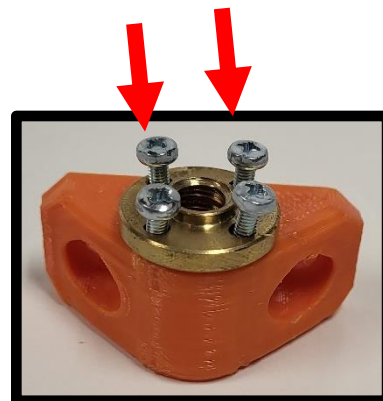
5.A



5.B



5.C



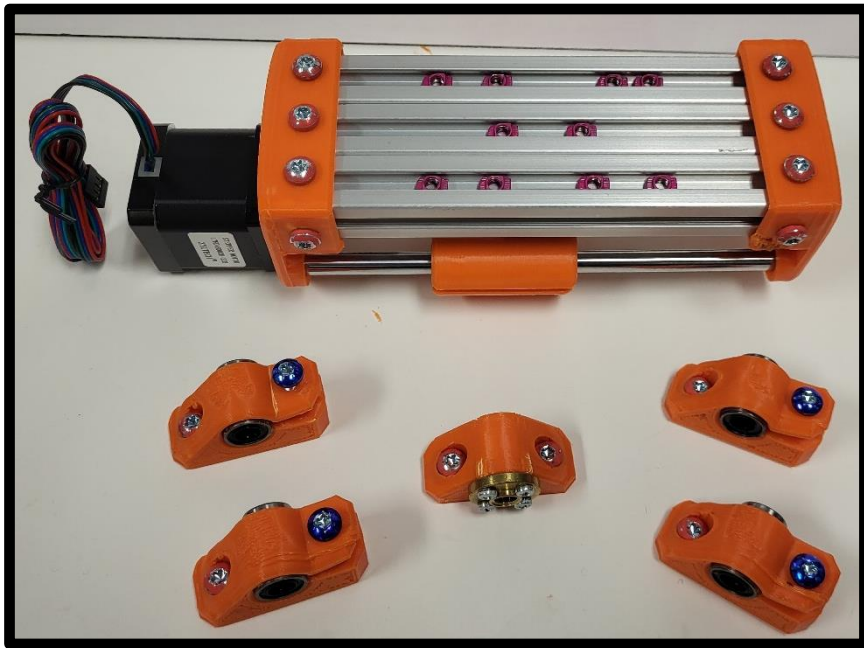
5.D



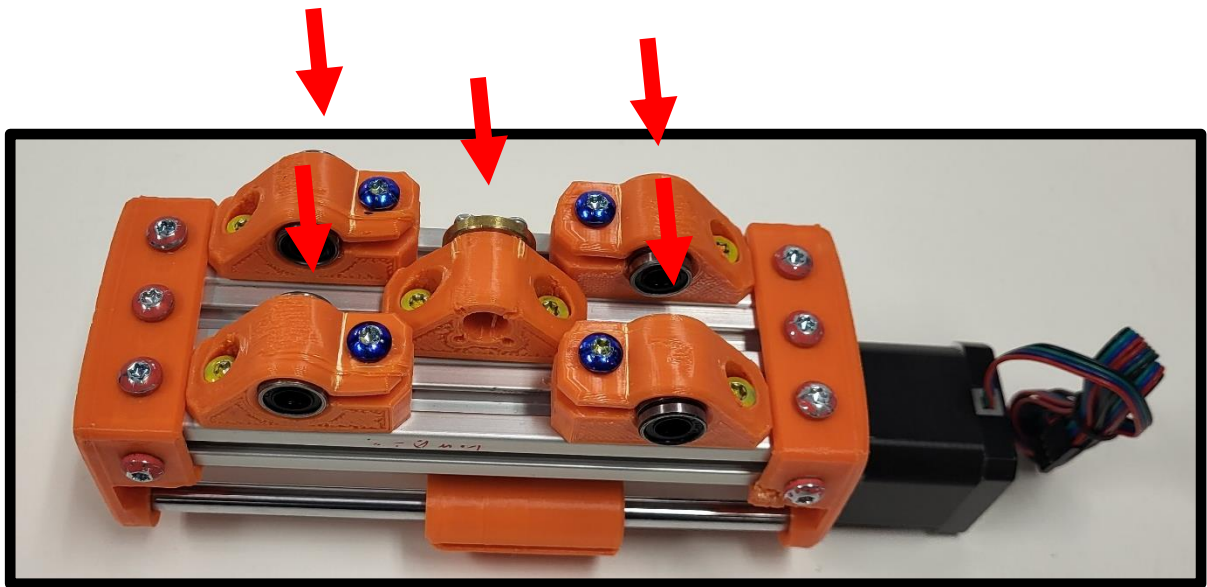
5.E

NOTE:

- Do not overtighten the white screws



5.F



5.G (Tighten All)

NOTE:

- The pictured yellow screws (M5x16) should be red screws (M5x8)



5.H

NOTE:

- The pictured yellow screws (M5x16) should be red screws (M5x8)

Complete Toolhead Assembly

