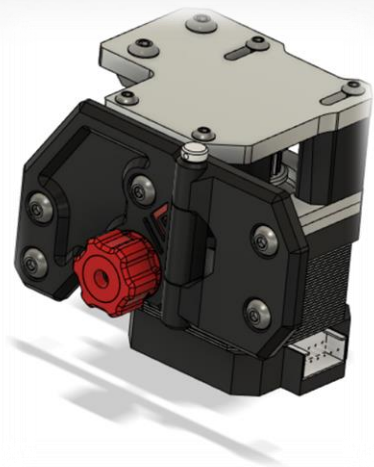


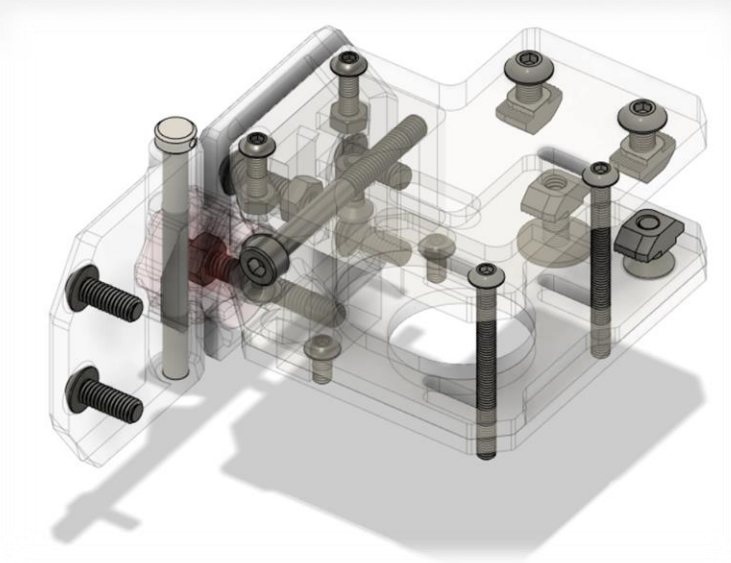


3.1 Motor mounts + integrated hinges



Bom:

Material	Quantity	Notes
Nema 17	2	
20T GT2 Pulley	2	
8mm M4 countersunk	2	
30mm M4 set screw	2	
40mm M4 Socket head	4	
M4 nut	10	(also, for hinges)
M3 nut	8	
M3 6mm	4	
M3 12mm	4	
M3 10mm countersunk	4	
M4 12mm	8	
M4 10mm	8	
M4 T-nut	8	
M3 35mm	4	
4mm ID washer	2	

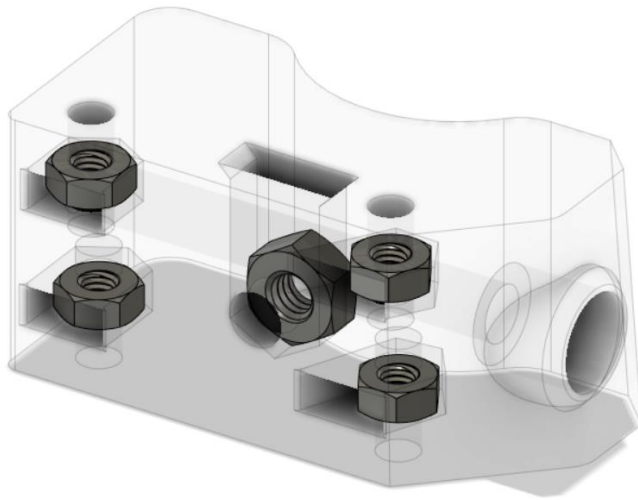


STL files:

File name	Amount to print
Printed standoff	Left + Right
Printed standoff 2	Left + Right
Printed standoff_motor anchor	Left + Right
Tensioner knob	2
Cap	2
Integrated hinge	2
Front plate alu motormount	Left + Right



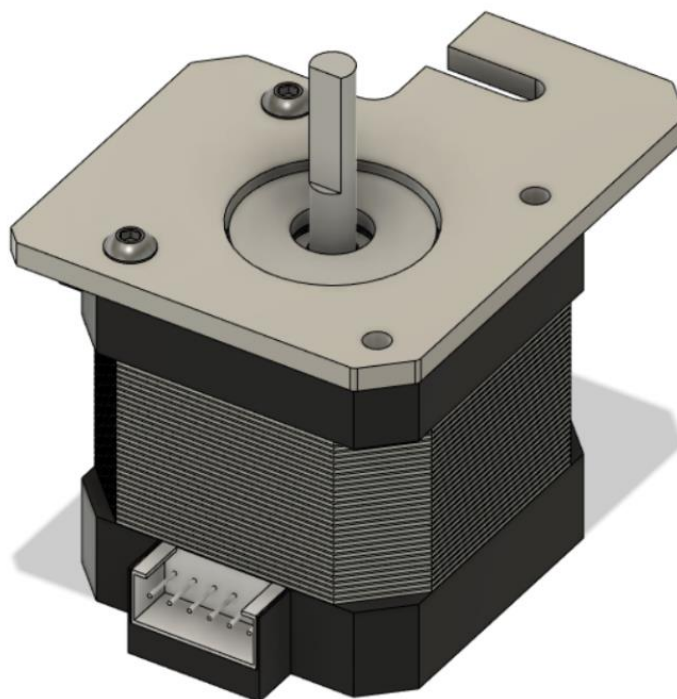
Step 1:



Insert the 4 M3 nuts and single M4 nut in the printed standoff_motor anchor as shown above.

Step 2:

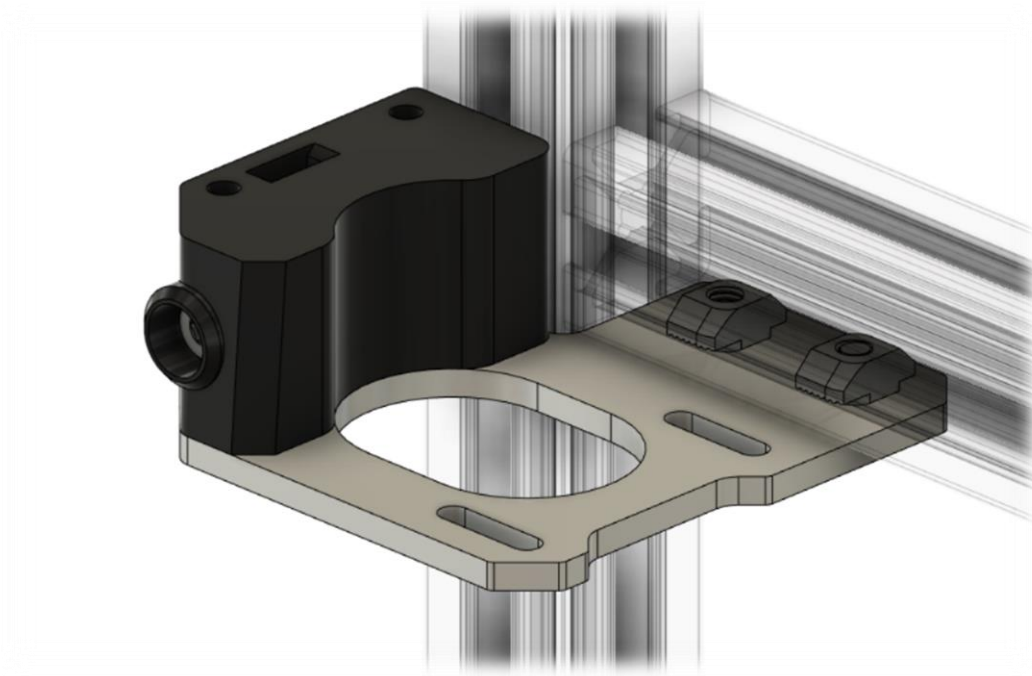
Attach the stepper motor to the bottom motor plate with 2 6mm M3 screws.





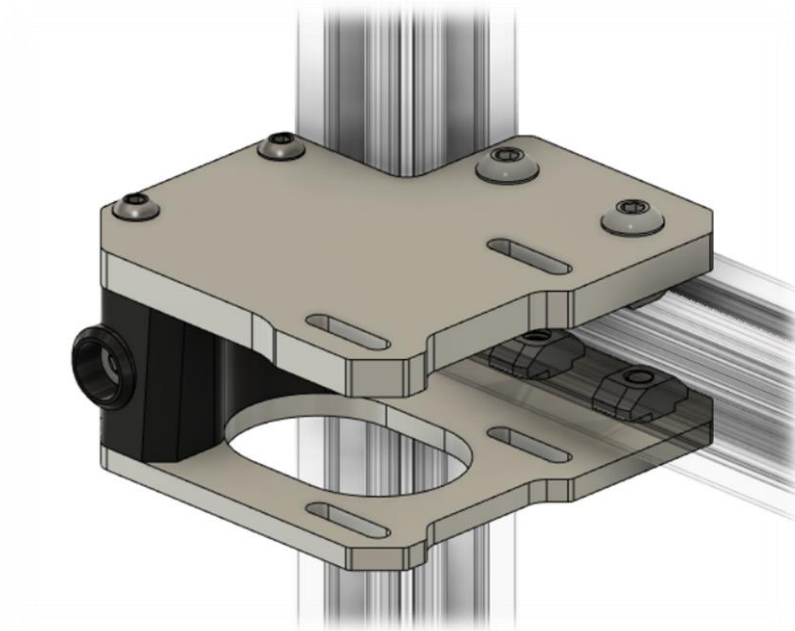
Step 3:

Screw the stand off in the middle plate using the 10mm countersunk M3 and attach it to the frame using one 12mm M4 and the 8mm countersunk M4. Lock the standoff in place using the 40mm M4 and the printed hammer nut that is installed during frame assembly.



Step 4:

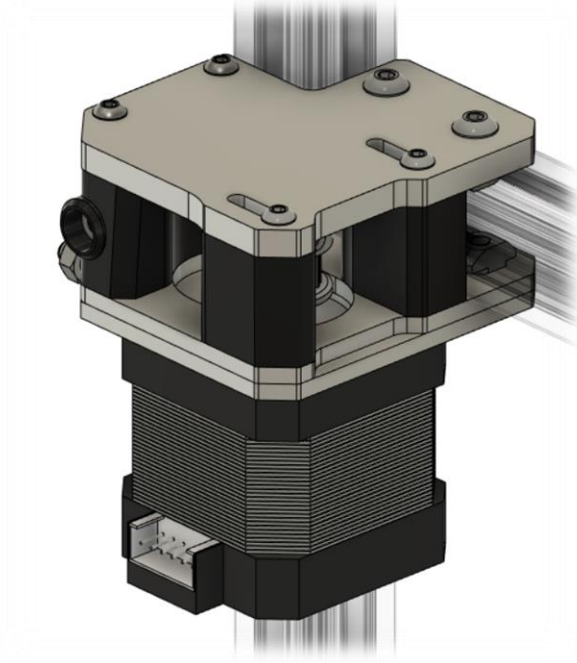
Attach the top plate using the 12mm M4 and T-nuts to the frame and screw in the 12mm M3 into the printed standoff.





Step 5:

Insert the final standoffs and insert the 35mm M3, slide in the motor with it's plate and tighten the M3 screws finger tight.



Step 6:

Screw in the M4 set screw into the bottom tensioner, the M4 nut should be pressed into the tensioning knob. The tensioner plate can be installed when the enclosure panels are on the printer.

