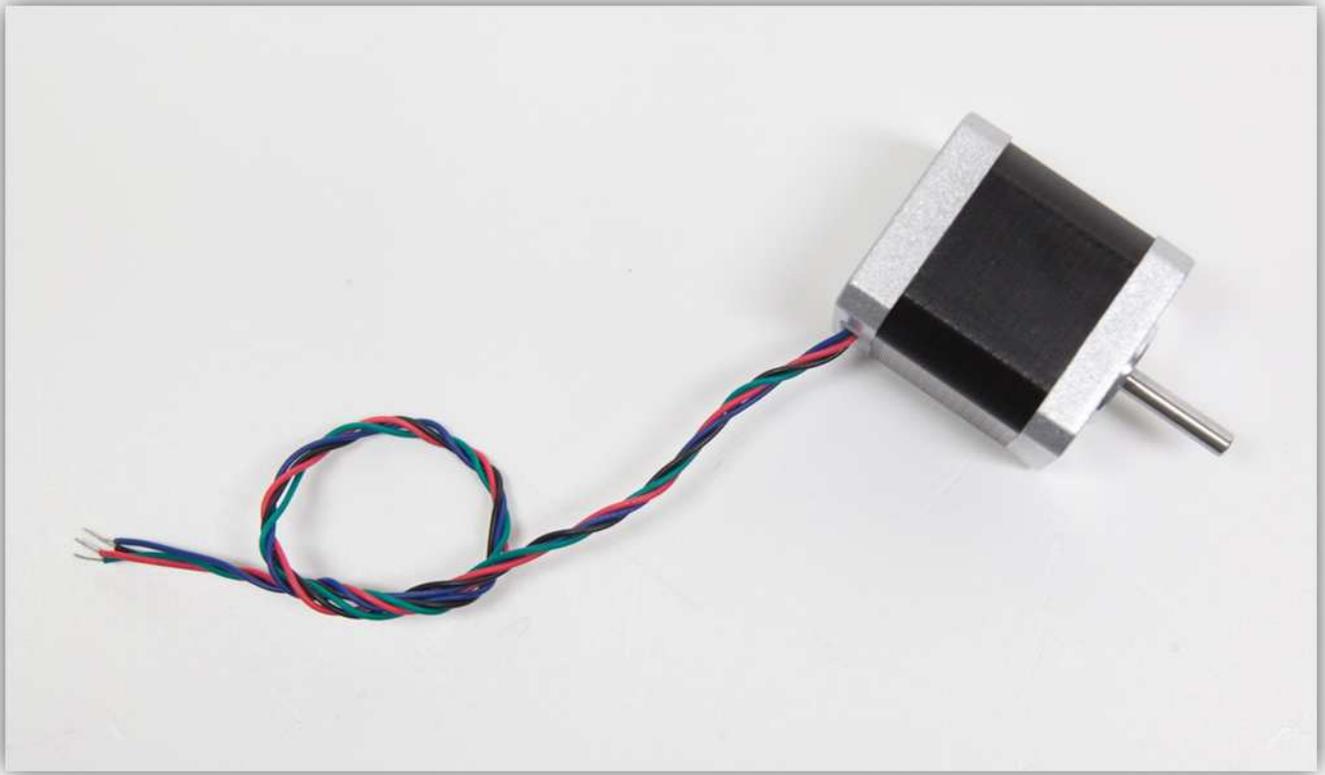
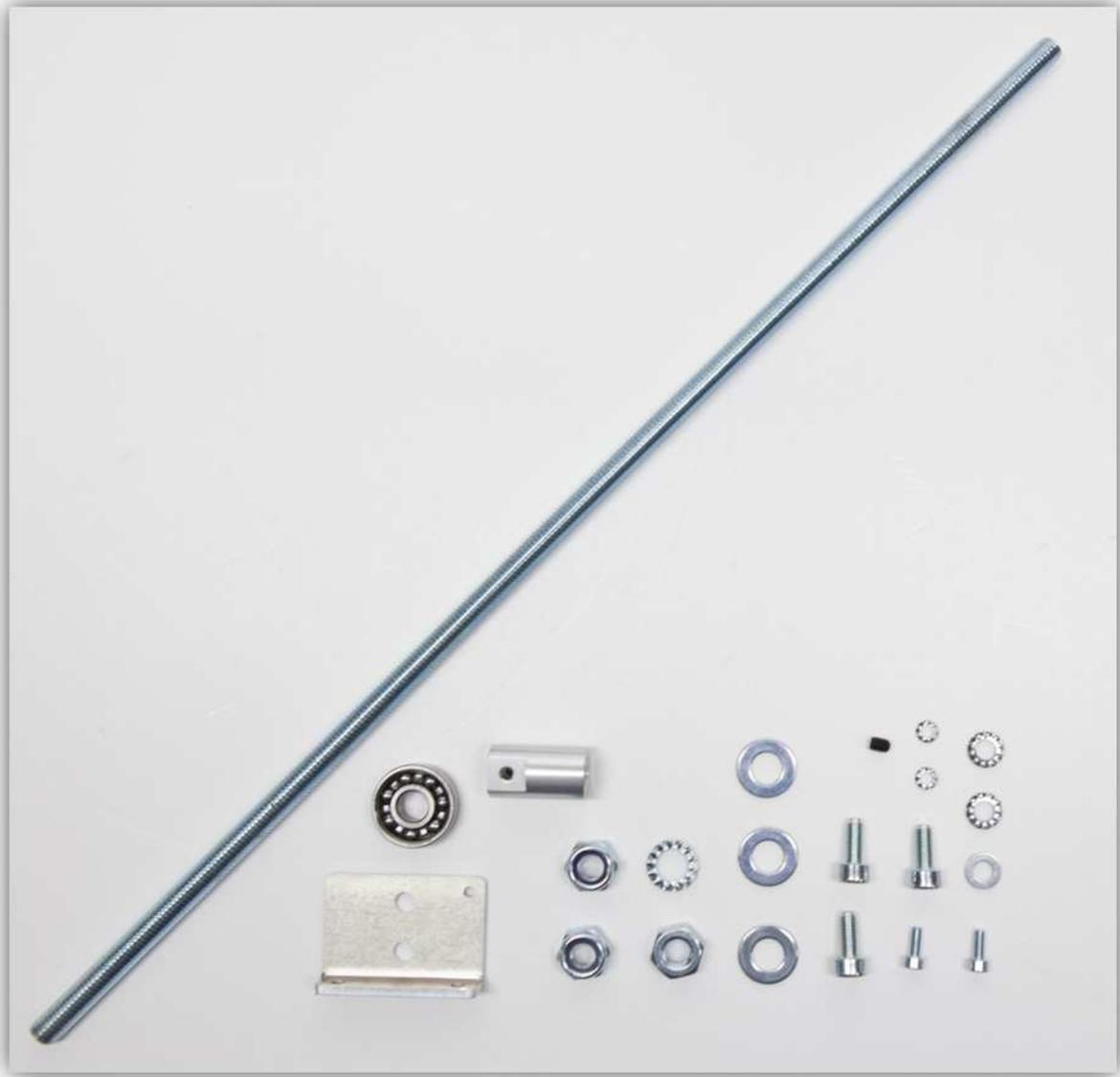


007 – ASSEMBLING THE Z MOTOR AND THREADED ROD

Take a motor out of the package labelled with 9.



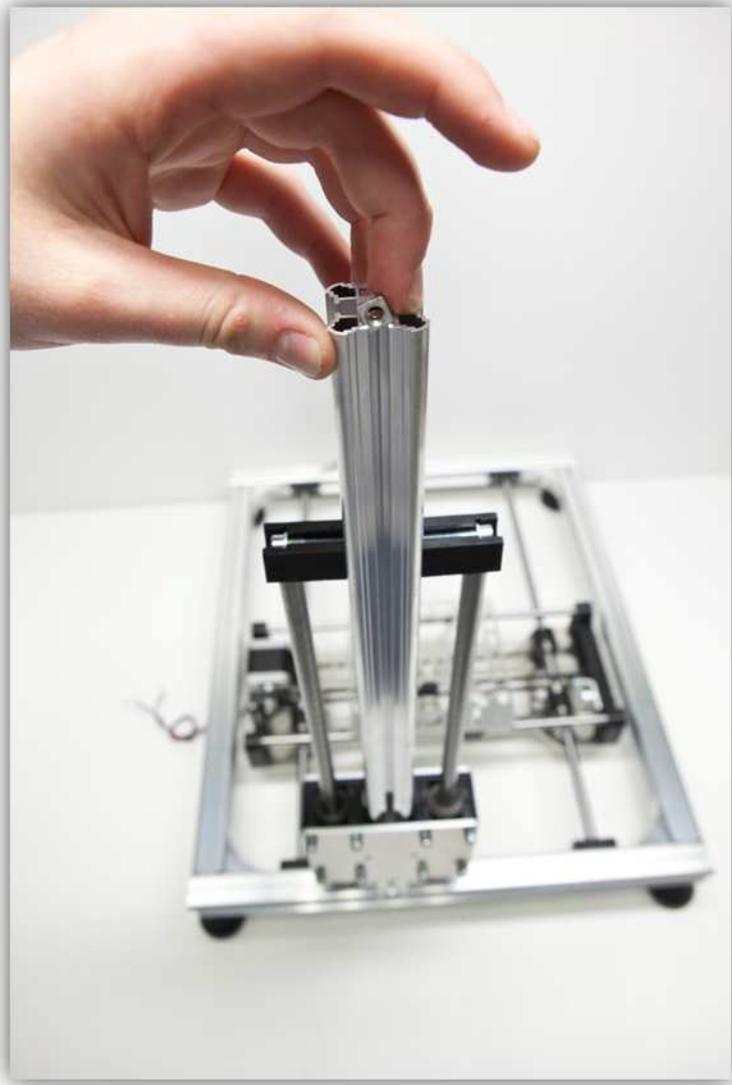
Take the parts out of the bag labelled with 26.



Now take the piece as shown in the picture below out of the bag containing the plastic parts (Z ROD GUIDE).



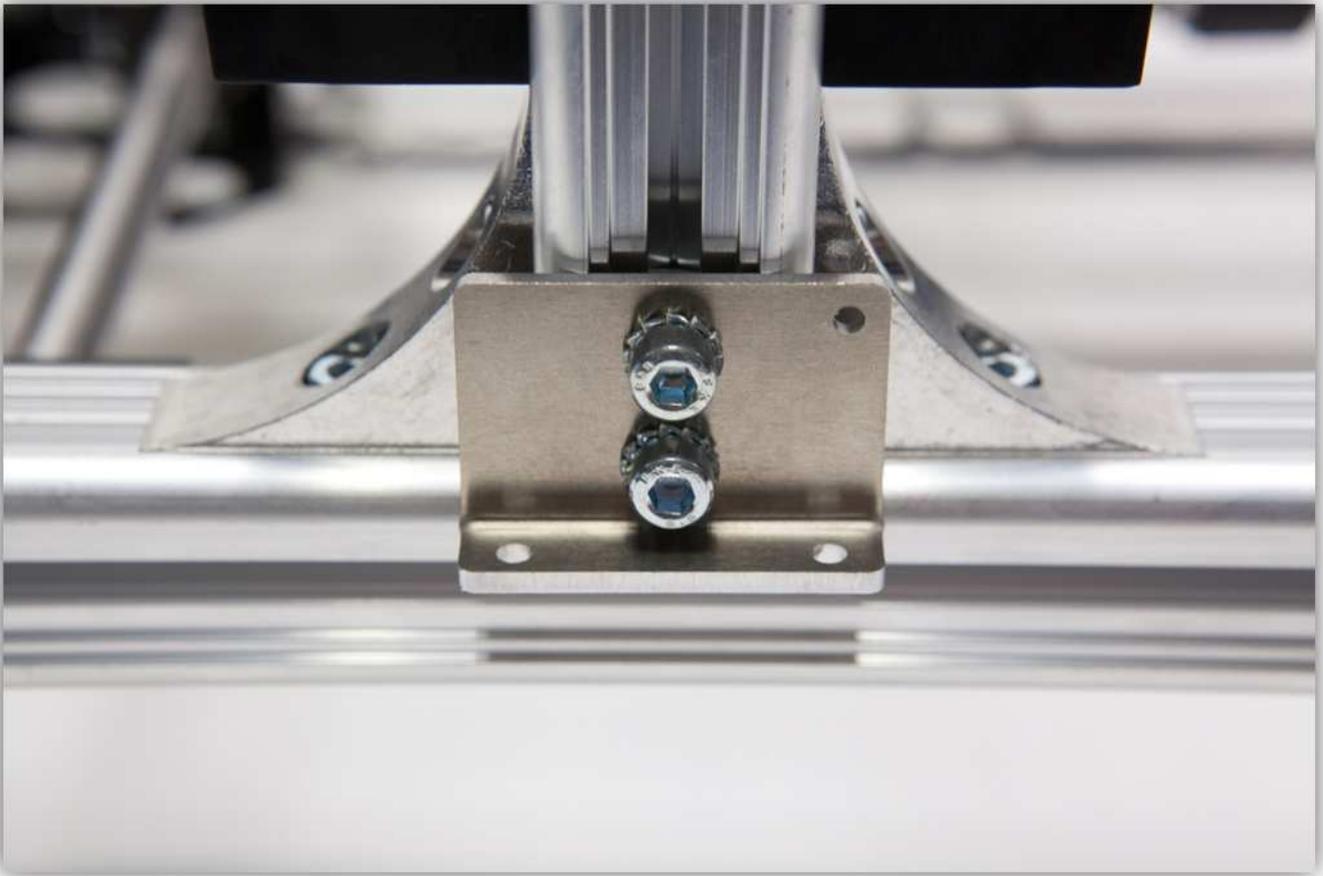
Slide **2** square M5 nut into the left upright ALUMINIUM PROFILE as shown in the pictures below.





Use 2 M5 bolts and 2 M5 toothed washers to bolt the Z MOTOR BRACKET to the frame.





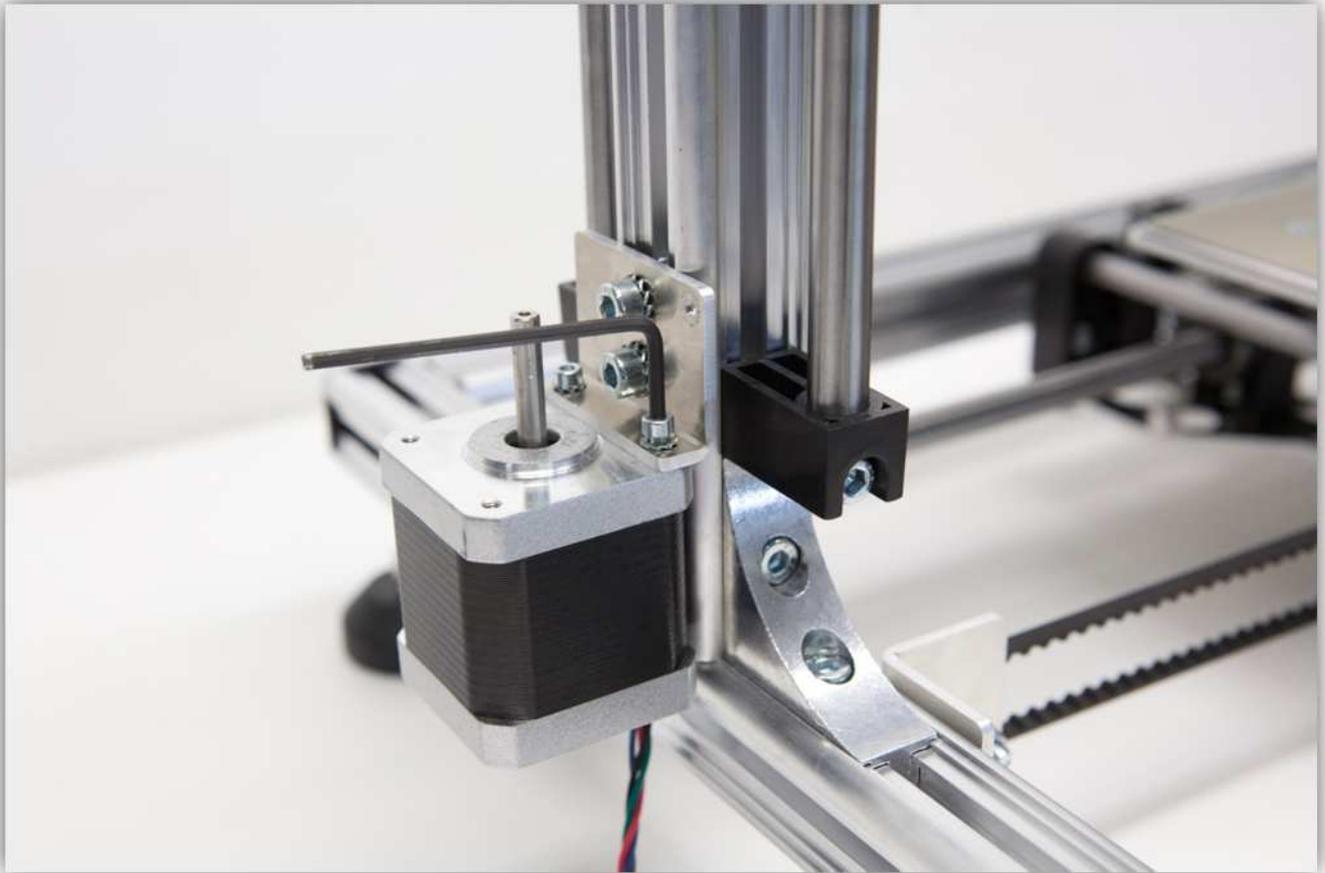
Make sure the bracket bottom is at **MAXIMUM** 4.5 cm (1.77") from the bottom frame. It should be between 4 cm (1.57") and 4.5 cm (1.77"). Tighten the 2 bolts and **make sure that the bracket is perfectly horizontal**.



Take the 2 M3 bolts and 2 M3 toothed washers and bolt the motor to the bracket.



Tighten these bolts firmly.



Screw an M8 bolt followed by an M8 washer, an M8 toothed washer, an M8 washer and the MOTOR CONNECTOR as shown in the picture below.



Tighten everything firmly.



Take the small locking bolt.



Screw it in the MOTOR CONNECTOR. **Do not screw this bolt in completely.**



Place the MOTOR CONNECTOR over the motor shaft. Make sure that the shaft goes as far as it can. Now tighten the small locking bolt.



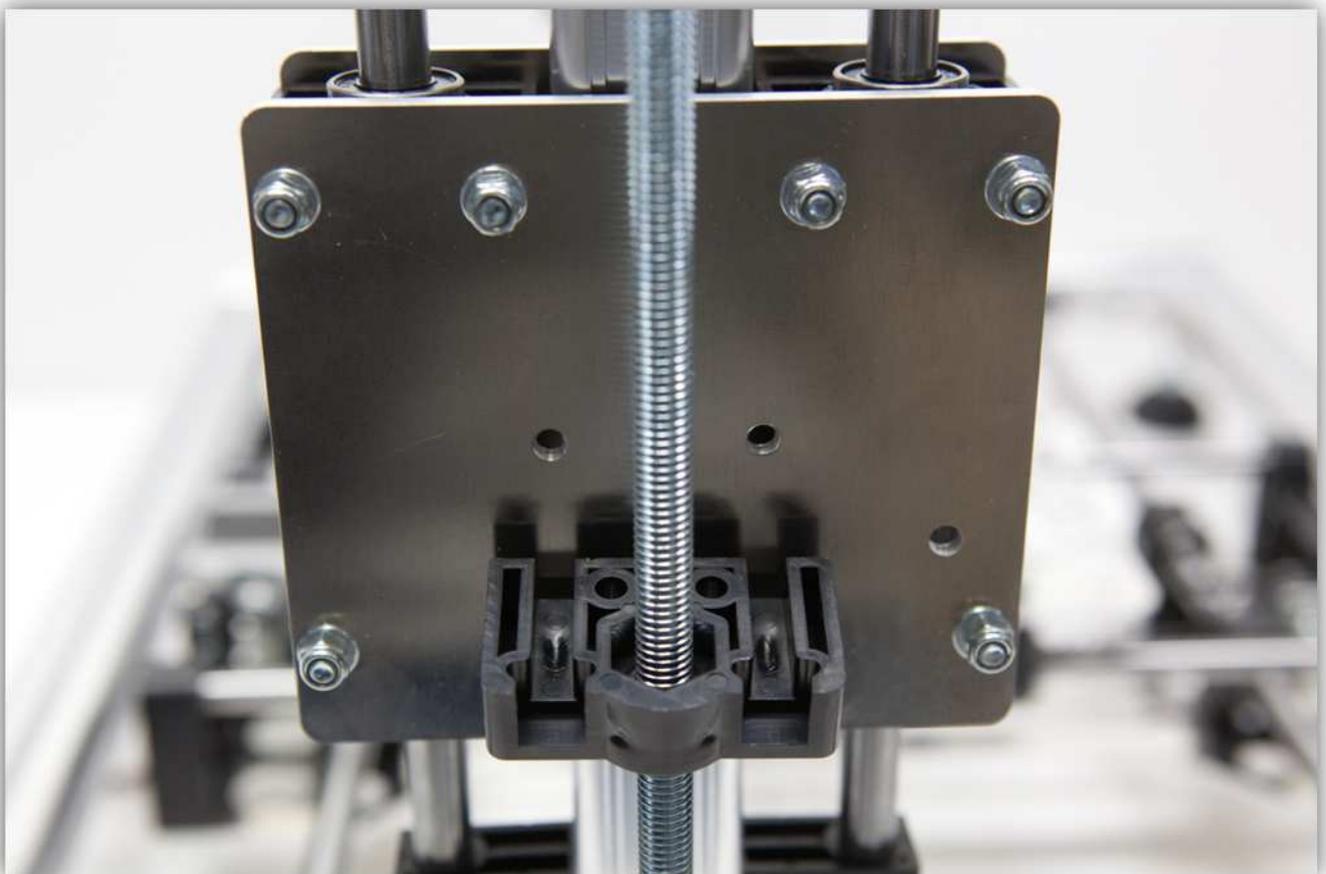
Now take these pieces as shown in the picture below out of the bag containing the plastic parts (Z FOLLOWER A and Z FOLLOWER B).



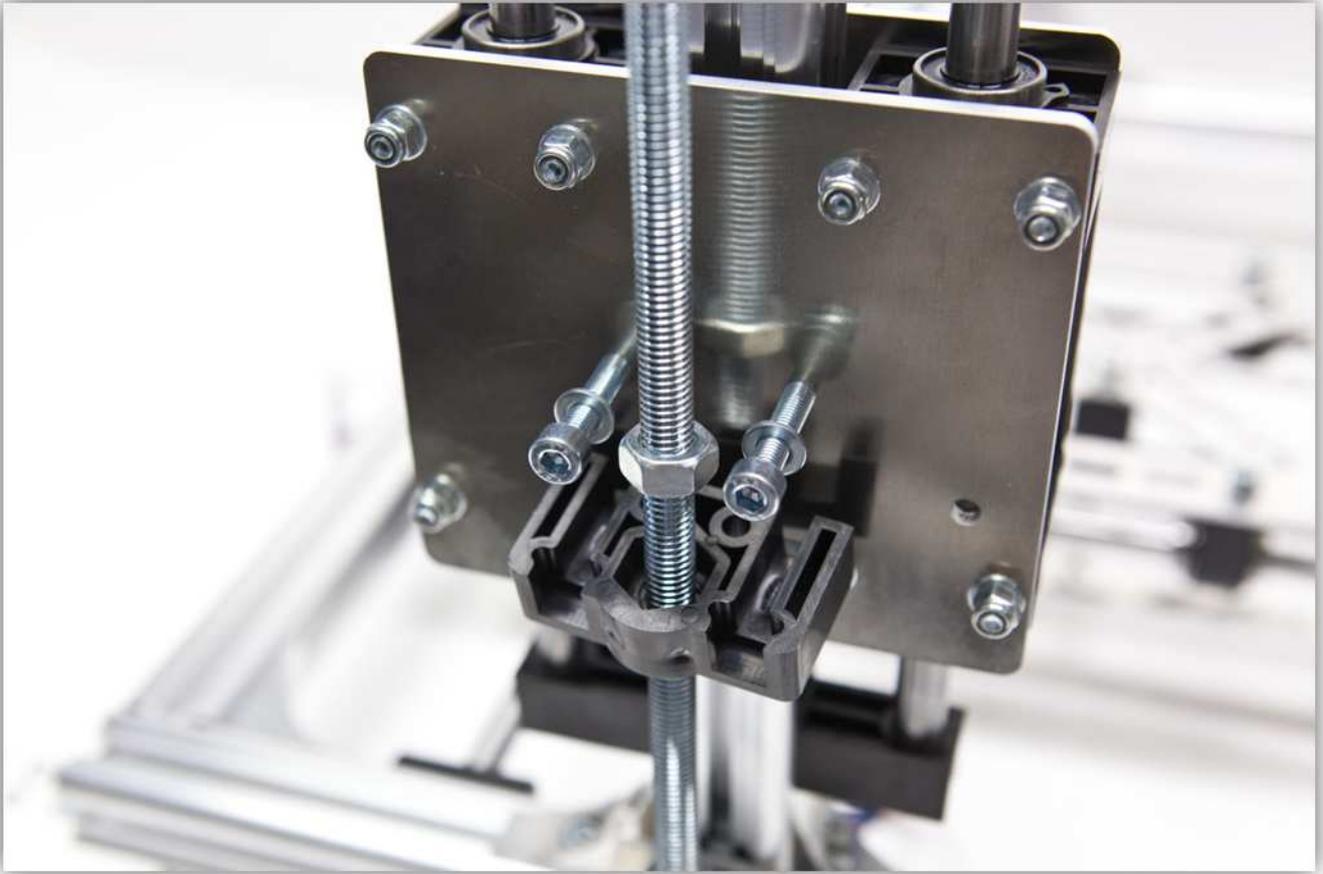
Take the parts out of the bag labelled with 27.



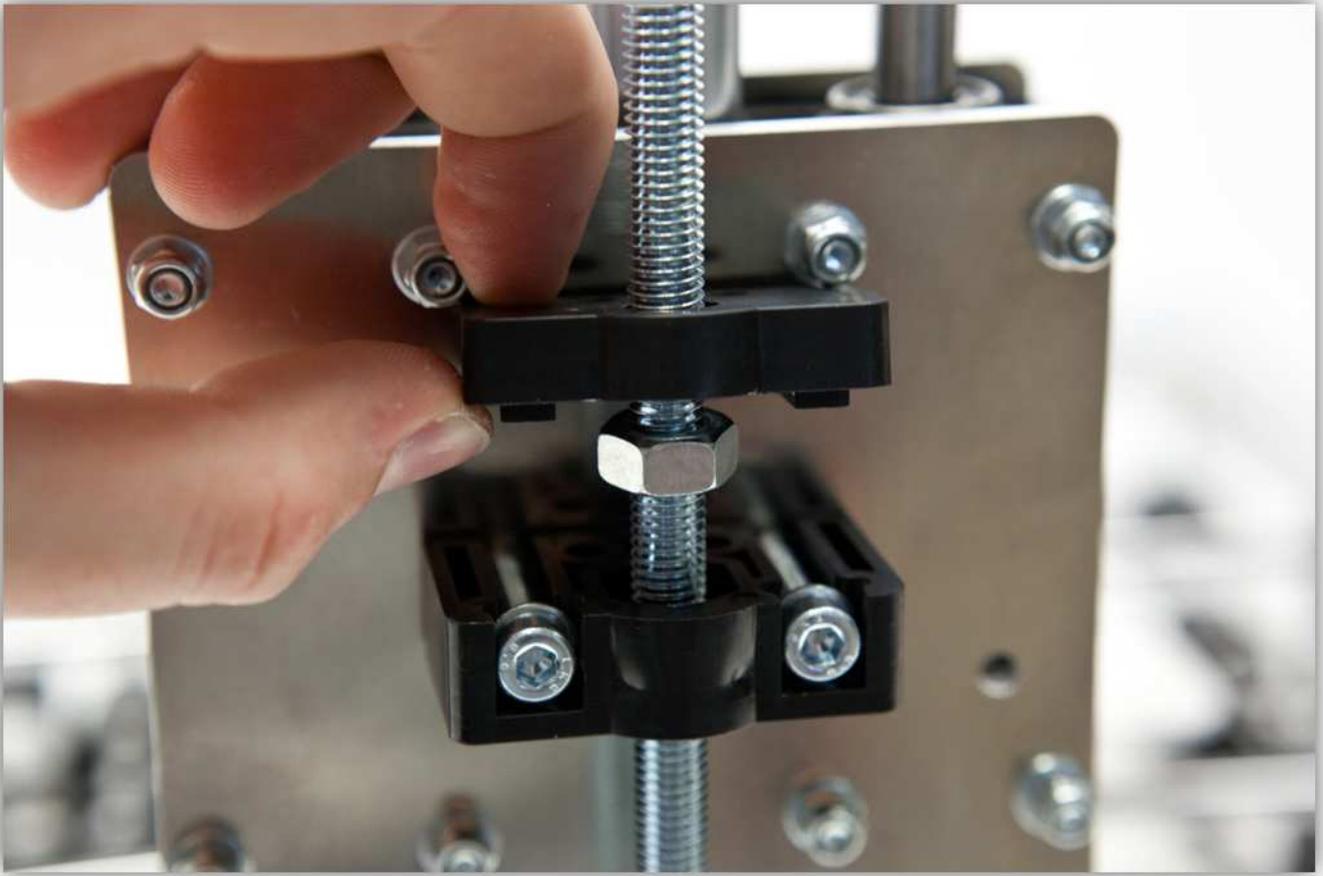
Slide the Z FOLLOWER A piece over the rod as shown in the picture. **Watch the orientation.**



Screw the M8 nut over the rod and take the 2 M5 bolts and 2 M5 washers and screw them into the Z CARRIAGE.



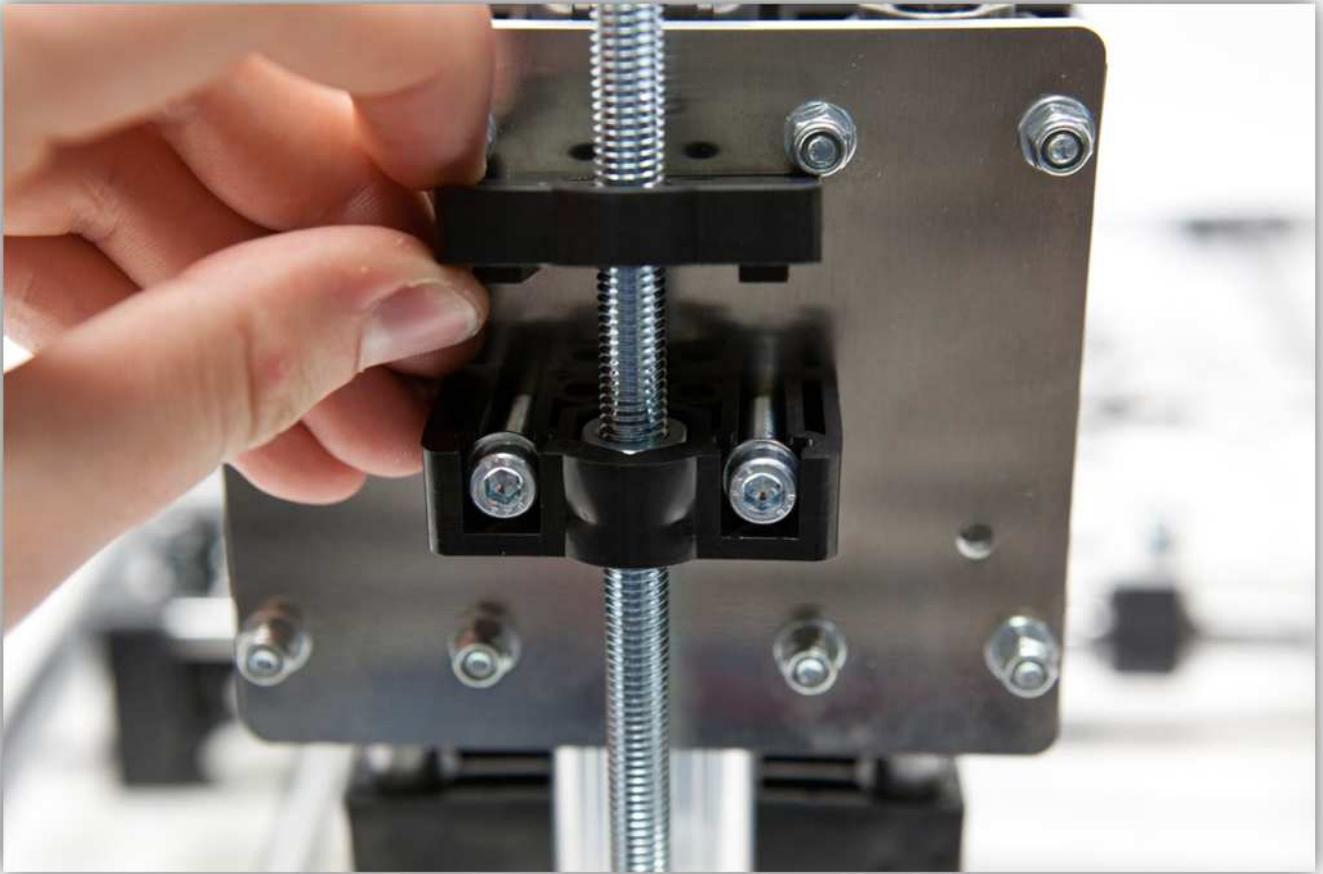
Slide the Z FOLLOWER B piece over the rod as shown in the picture. **Watch the orientation.**



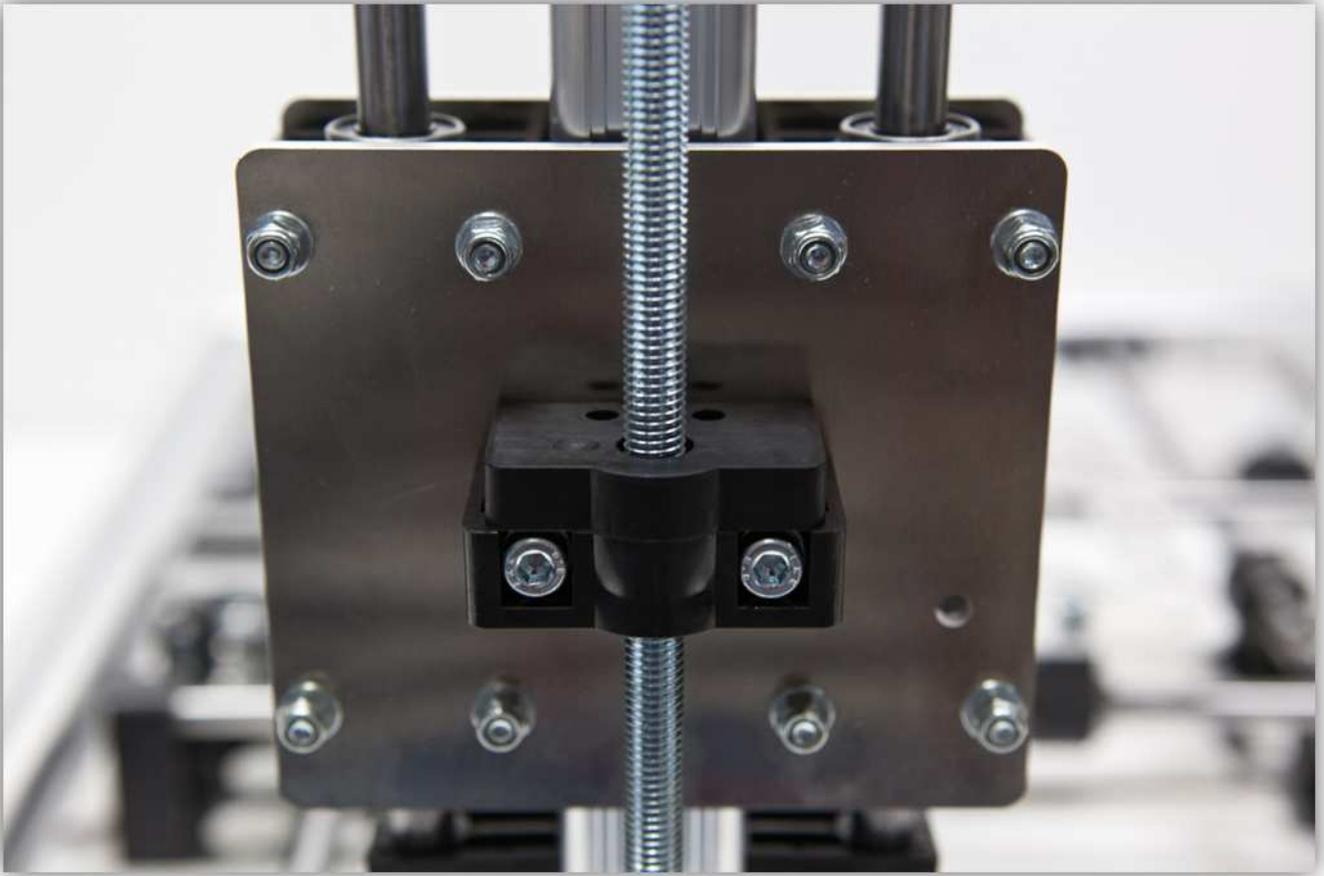
Tighten the MOTOR CONNECTOR to make sure there is no play.



Attach the Z FOLLOWER A piece to the CARRIAGE. **Do not fully tighten these bolts.** Turn the rod until the M8 bolt sits snugly into the Z FOLLOWER A piece.

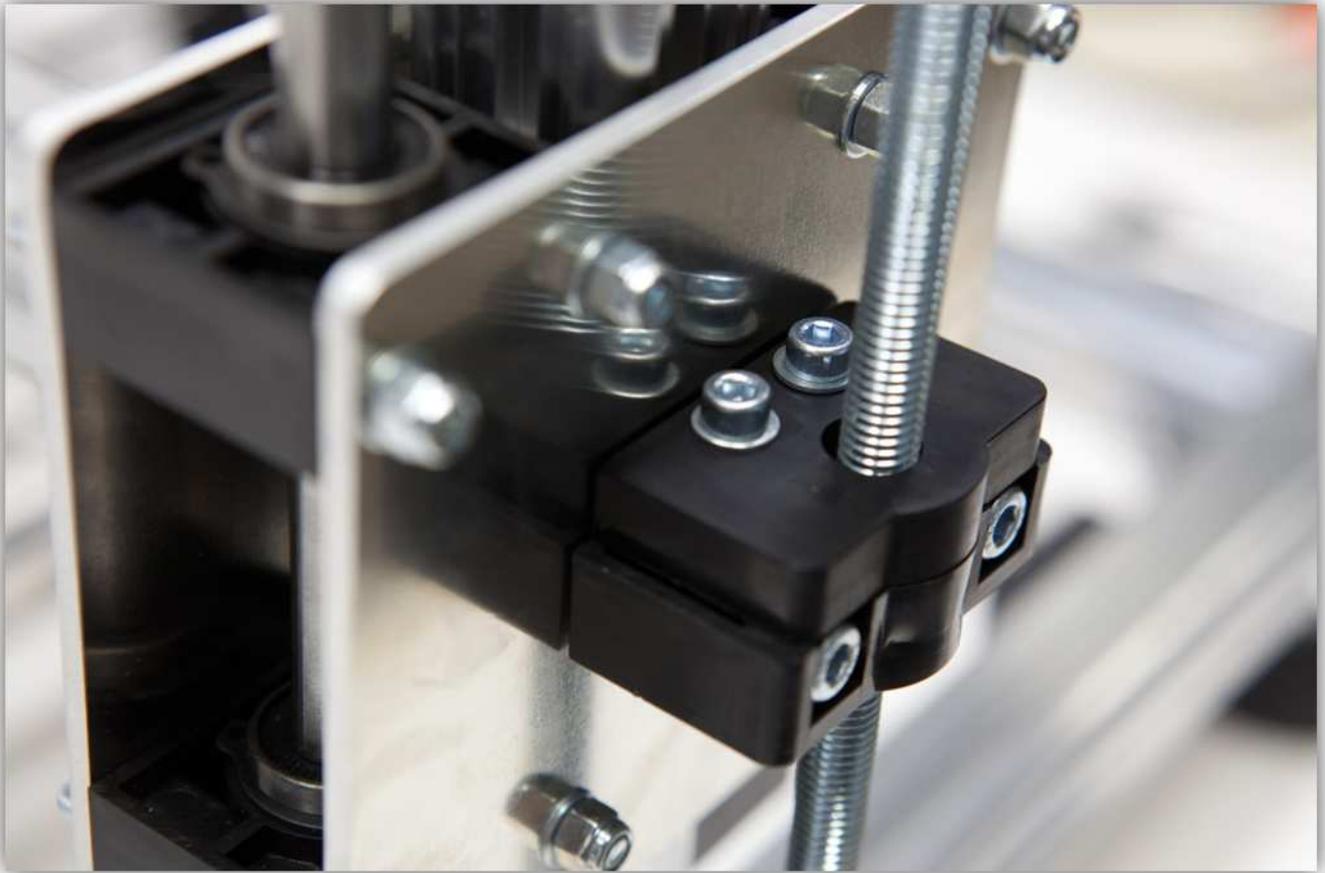


Snap the Z FOLLOWER B piece into the Z FOLLOWER A piece.

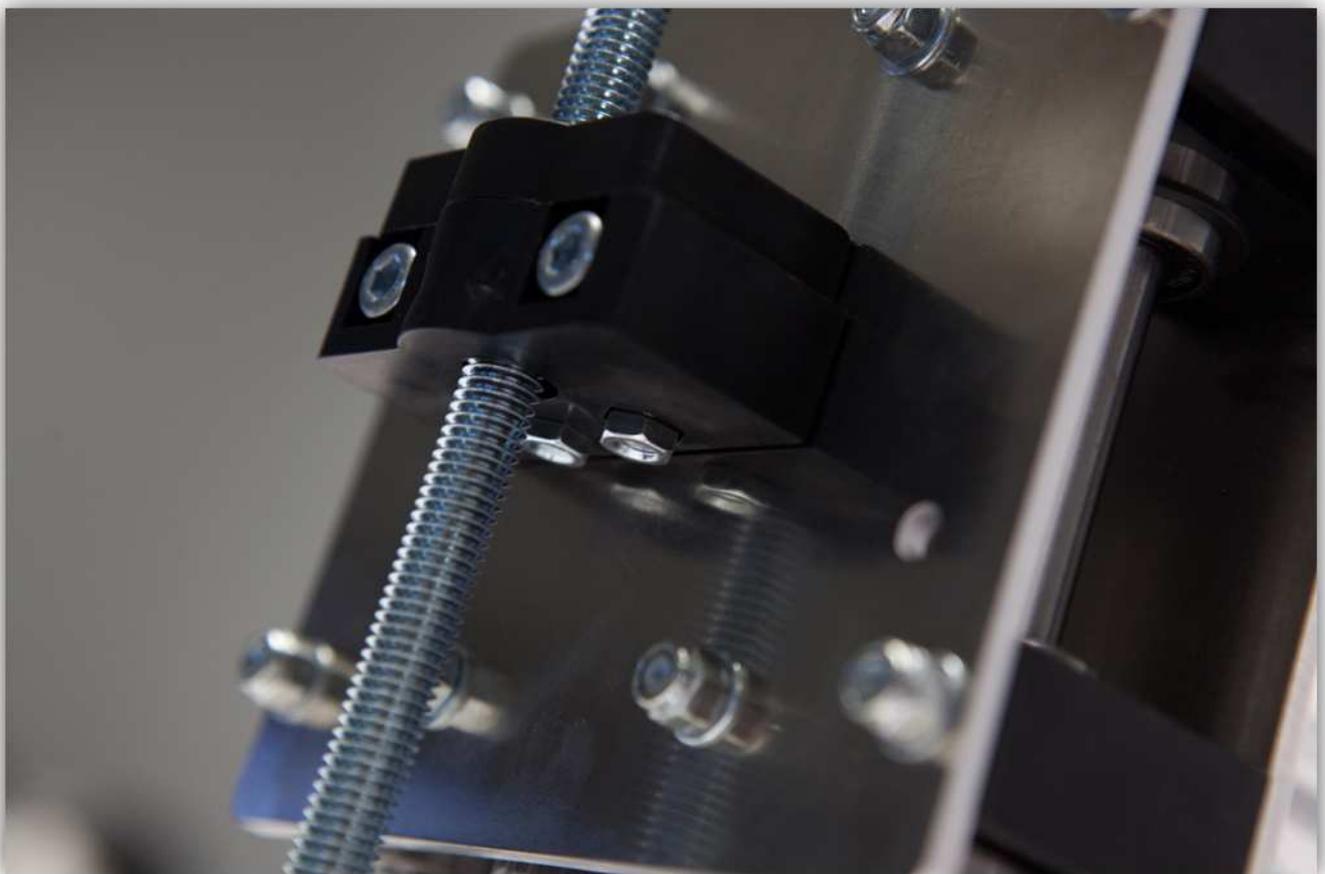


Take the 2 M4 bolts and 2 M4 washers and screw them into the top of the Z FOLLOWER assembly as shown in the picture below.

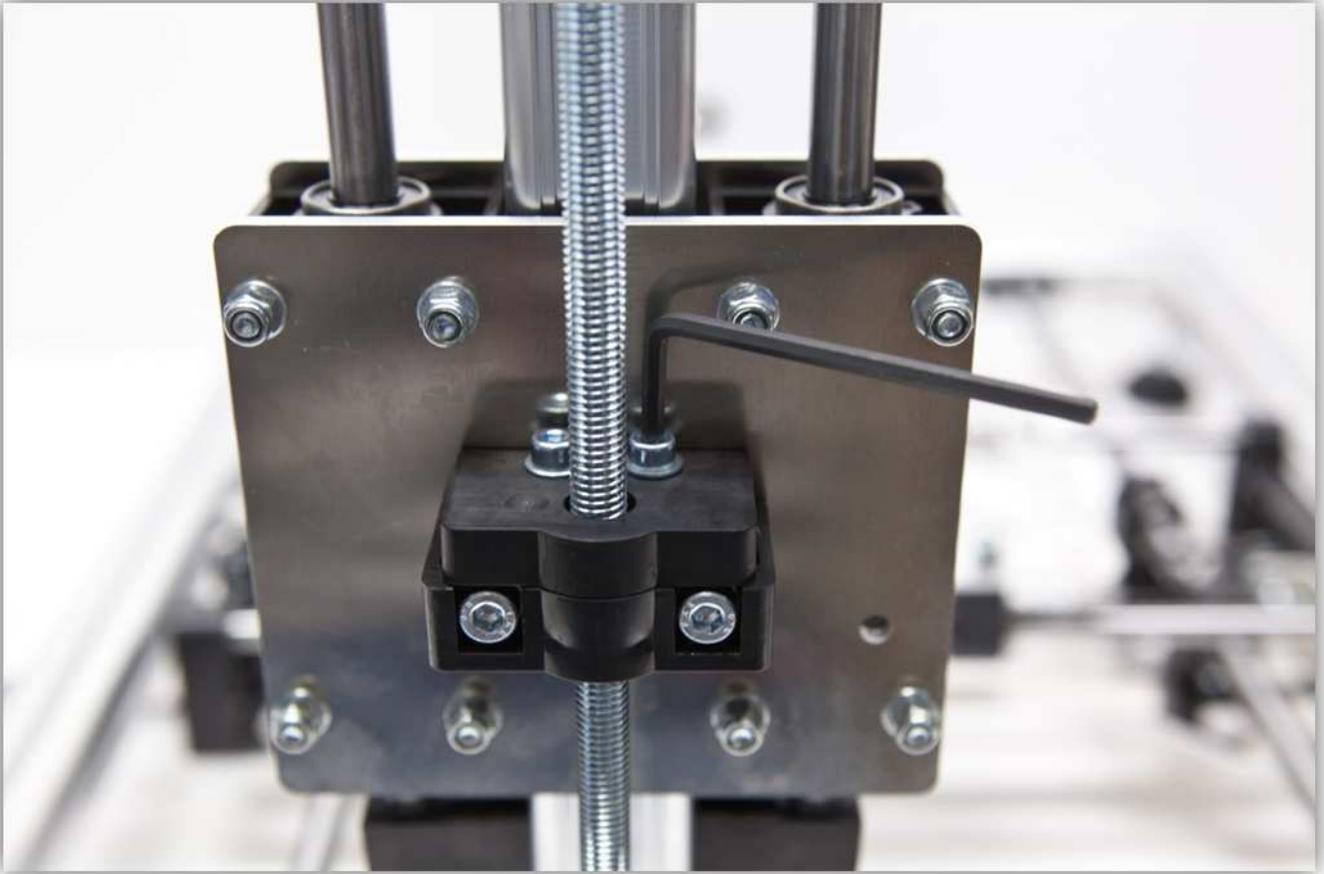




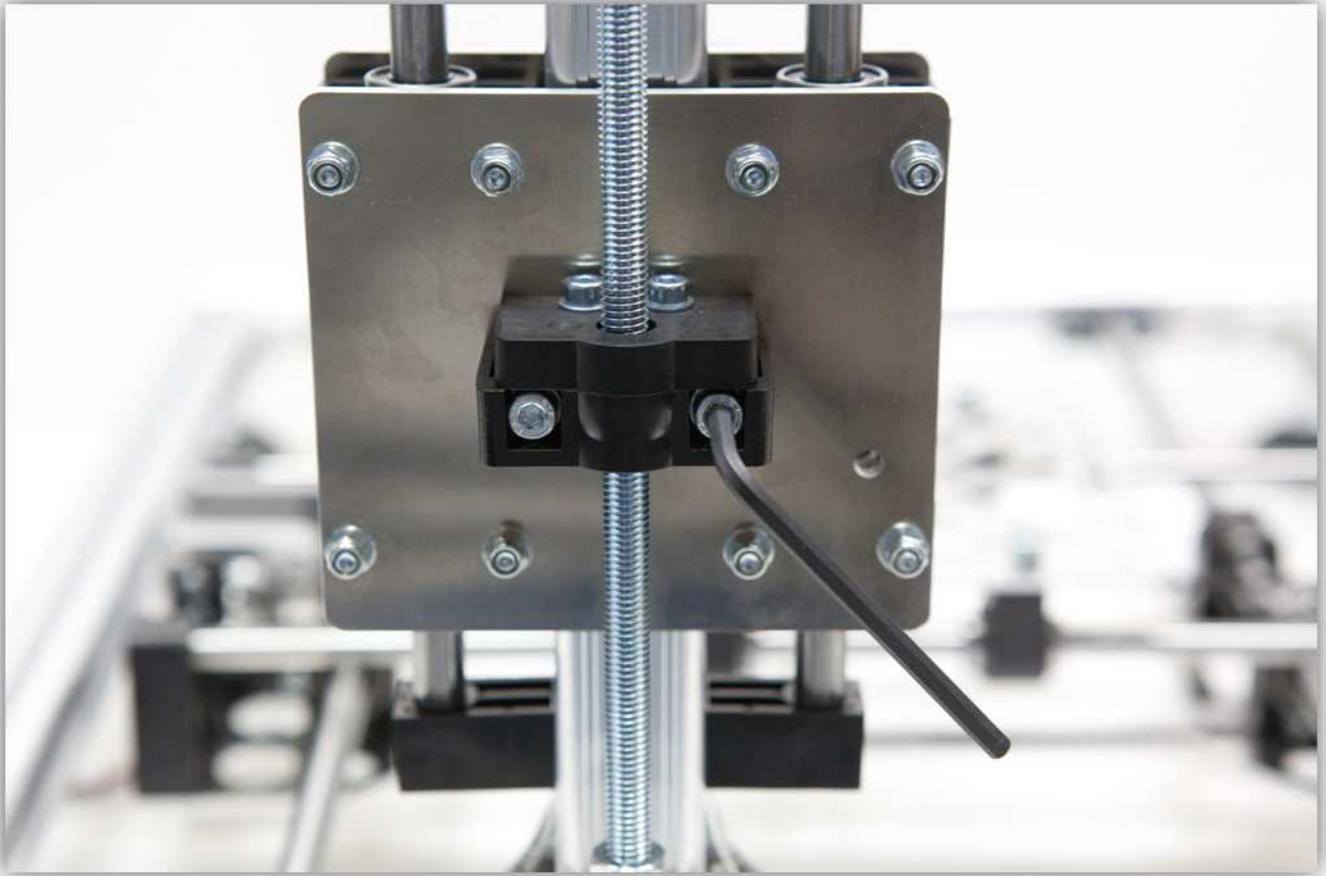
Use 2 M4 nuts to keep the two Z FOLLOWER pieces together.



Tighten these bolts.



Now fully tighten the bolts that attach the Z FOLLOWER assembly to Z CARRIAGE assembly.



Screw an M8 locking bolt on the rod followed by an M8 washer.



Slide a 608 bearing into the Z ROD GUIDE piece.



Slide this assembly over the rod.



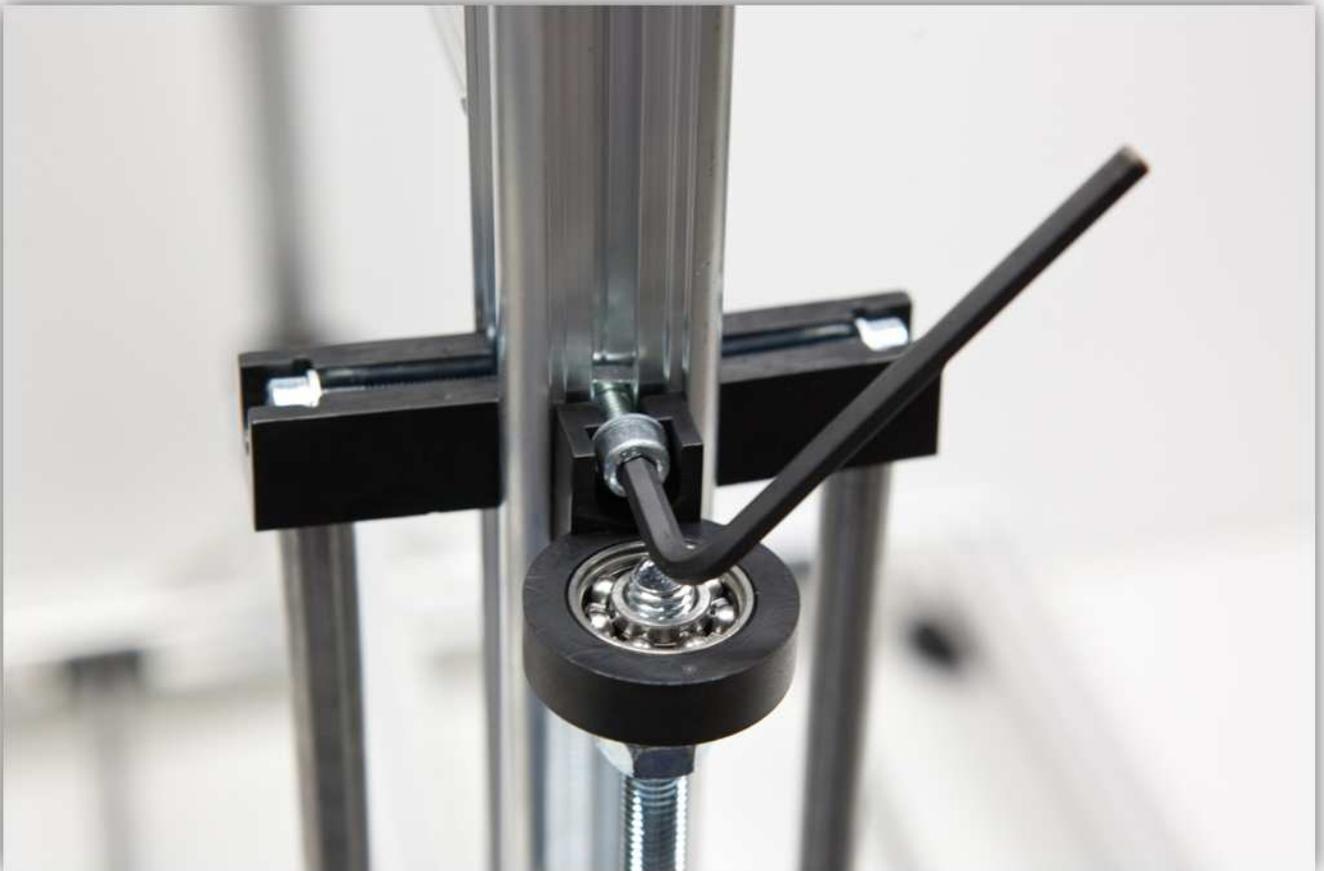
Take an M5 bolt, an M5 washer and a square M5 nut.



Slide this assembly into the left upright ALUMINIUM PROFILE as shown in the picture below.



Slide the assembly over the Z ROD GUIDE and tighten the bolt so that it is fixed but still possible to slide up and down.

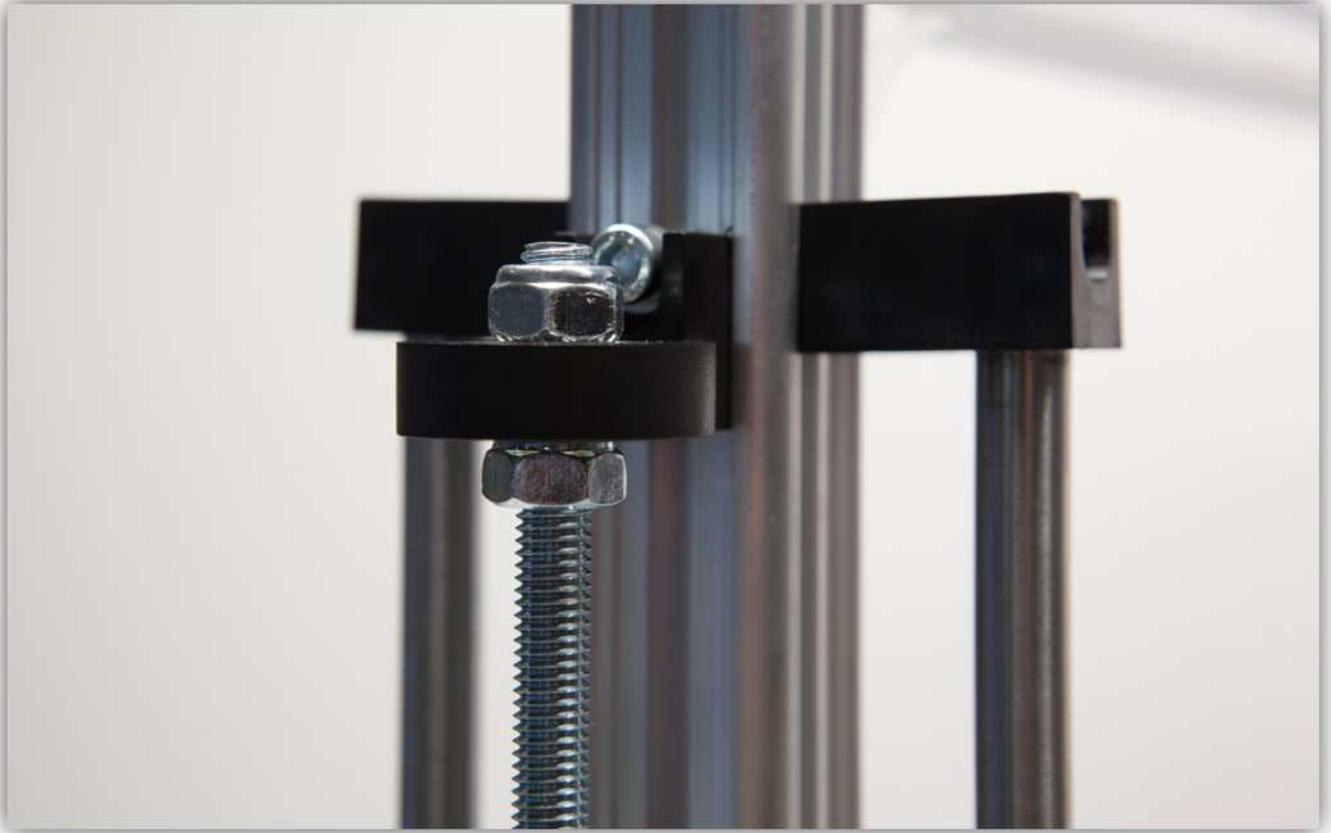


Slide this bolt and Z ROD GUIDE down until the 608 bearing meets the M8 washer.



Screw an M8 locking nut over the rod as shown in the picture.





The build should now look like this:

