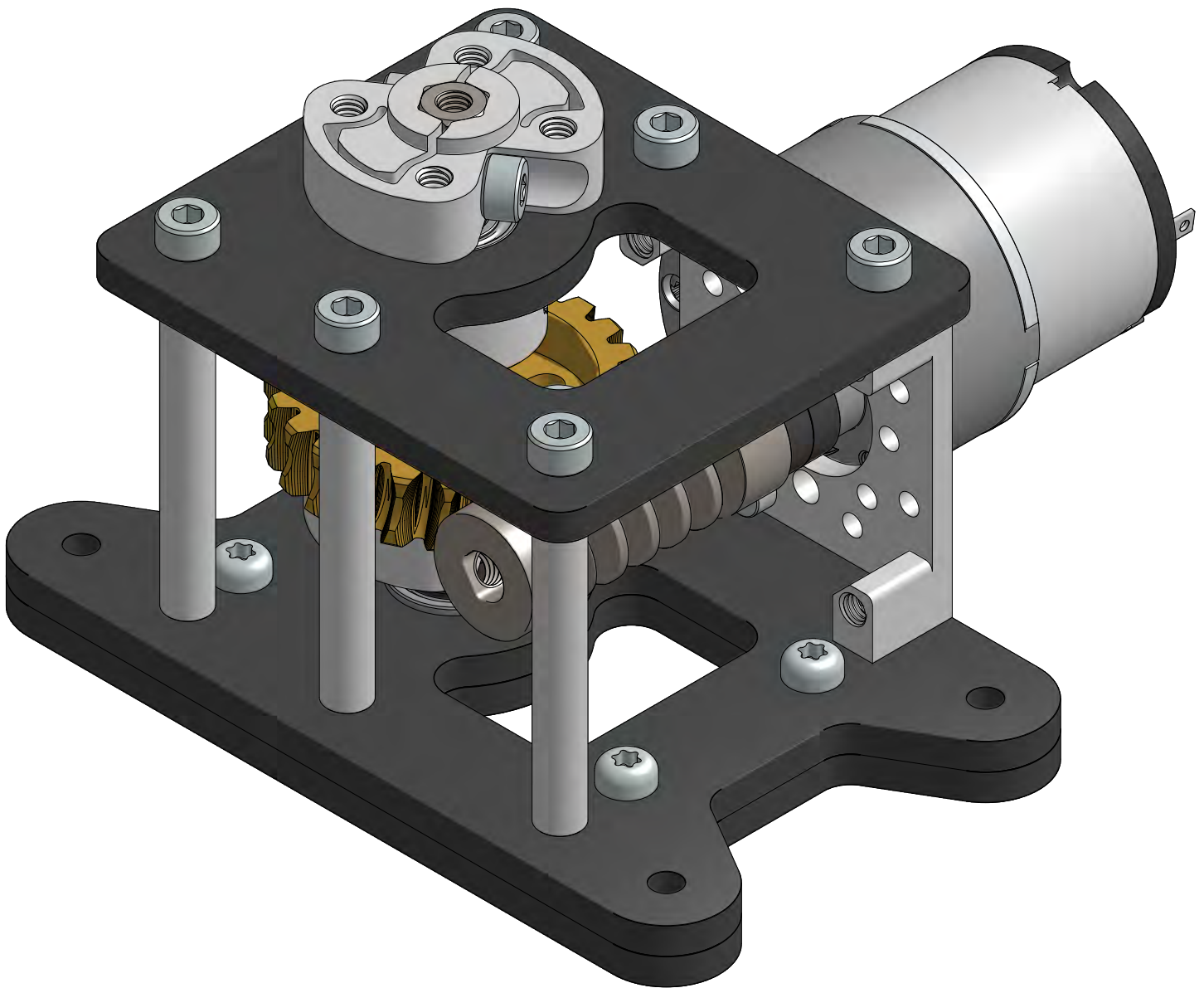


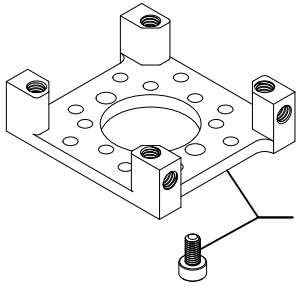
Assembly Instructions for Standard Duty Worm Drive Pan Kit (24:1 Ratio)

SKU: 3208-0001-0024

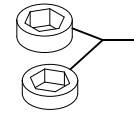


(Gear Motor Not Included)

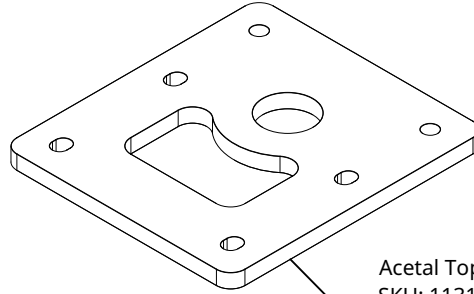
Kit Contents:



Motor Mount
SKU: 1702-0032-0001
QTY: 1
(Includes 4 x 6mm Length M3 Screws
which may be #1 phillips pan head or
2.5mm hex drive socket head)



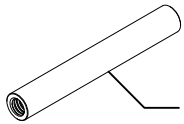
8mm REX Spacers
QTY: 2 (one thick, one thin)



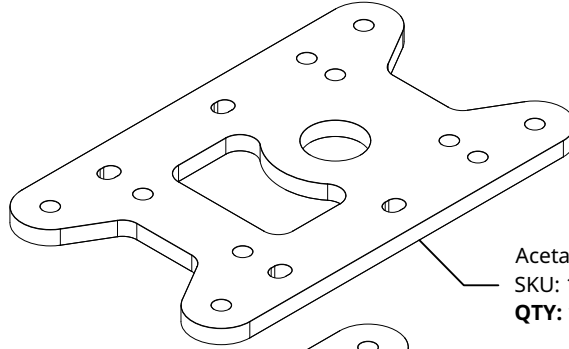
Acetal Top Plate
SKU: 1131-0004-0001
QTY: 1



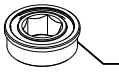
6mm ID Plastic Spacer
SKU: 1519-0006-0400
QTY: 2 (One 2 pack)



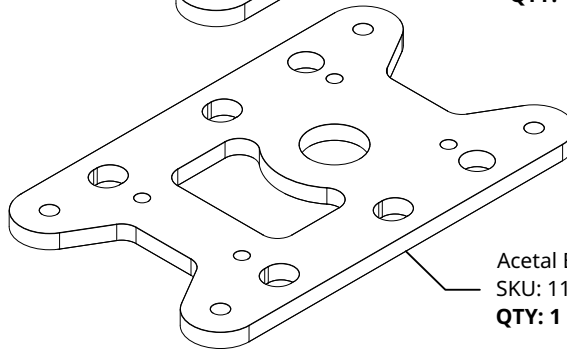
M4 Standoff, 43mm Length
SKU: 1501-0006-0430
QTY: 4 (One 4 pack)



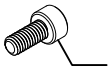
Acetal Middle Plate
SKU: 1131-0004-0002
QTY: 1



Ball Bearing
SKU: 1611-0514-4008
QTY: 2 (One 2 pack)



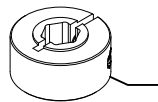
Acetal Bottom Plate
SKU: 1131-0004-0003
QTY: 1



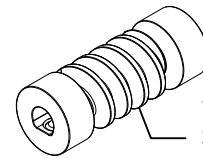
M4 Screw, 9mm Length
SKU: 2800-0004-0009
QTY: 25 (One 25 pack)



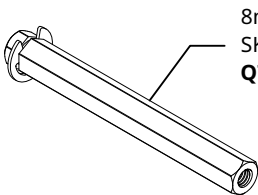
M4 Thread-Forming Screw
8mm Length
QTY: 4



Collar, 8mm REX Bore
SKU: 2910-0920-4008
QTY: 1



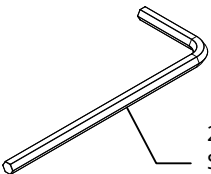
Worm
SKU: 2308-0006-0039
QTY: 1



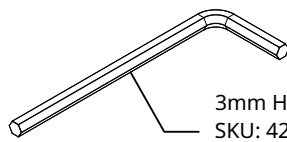
8mm REX Shaft, 64mm Length
SKU: 2106-4008-0640
QTY: 1



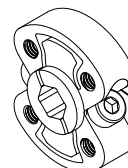
Worm Gear
SKU: 2309-0014-0024
QTY: 1



2.5mm Hex L-Key
SKU: 4200-0090-0025
QTY: 1



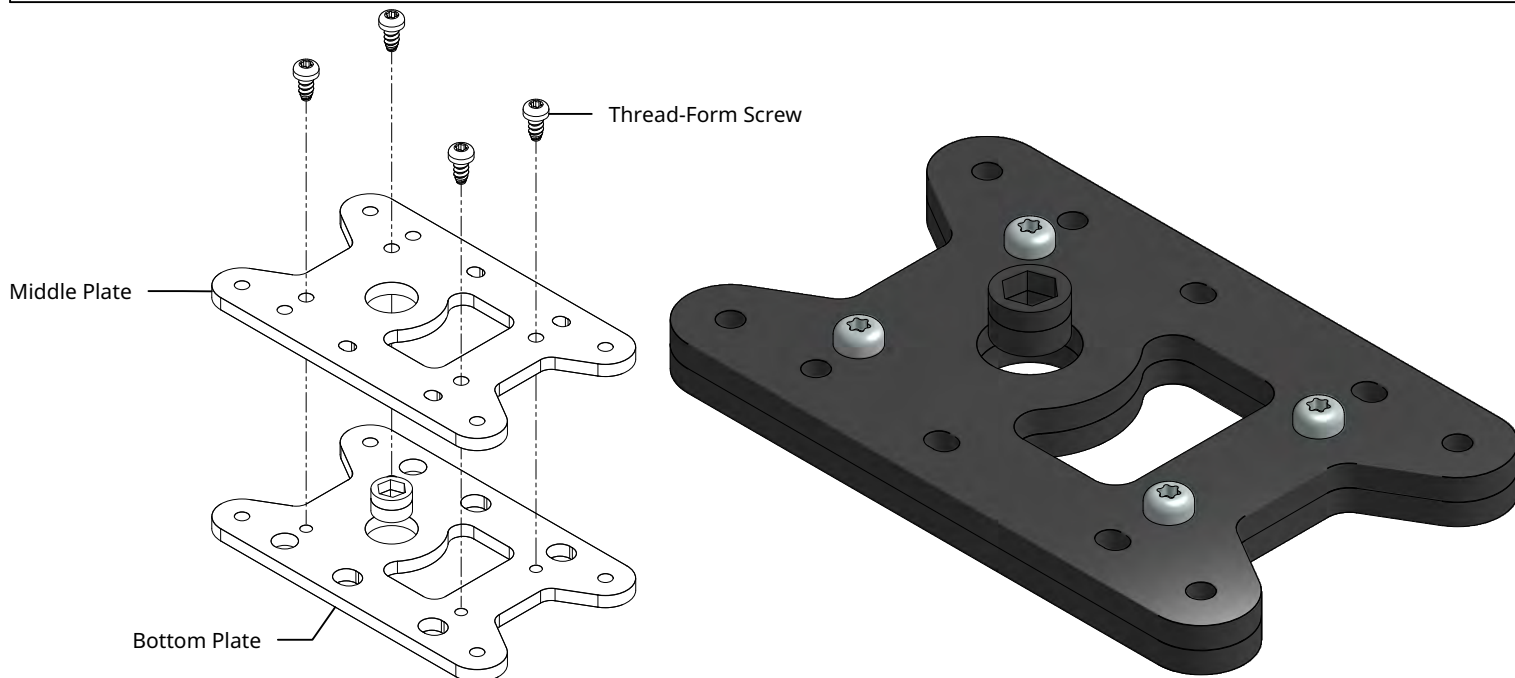
3mm Hex L-Key
SKU: 4200-0090-0030
QTY: 1



Sonic Hub, 8mm REX Bore
SKU: 1309-0016-4008
QTY: 2

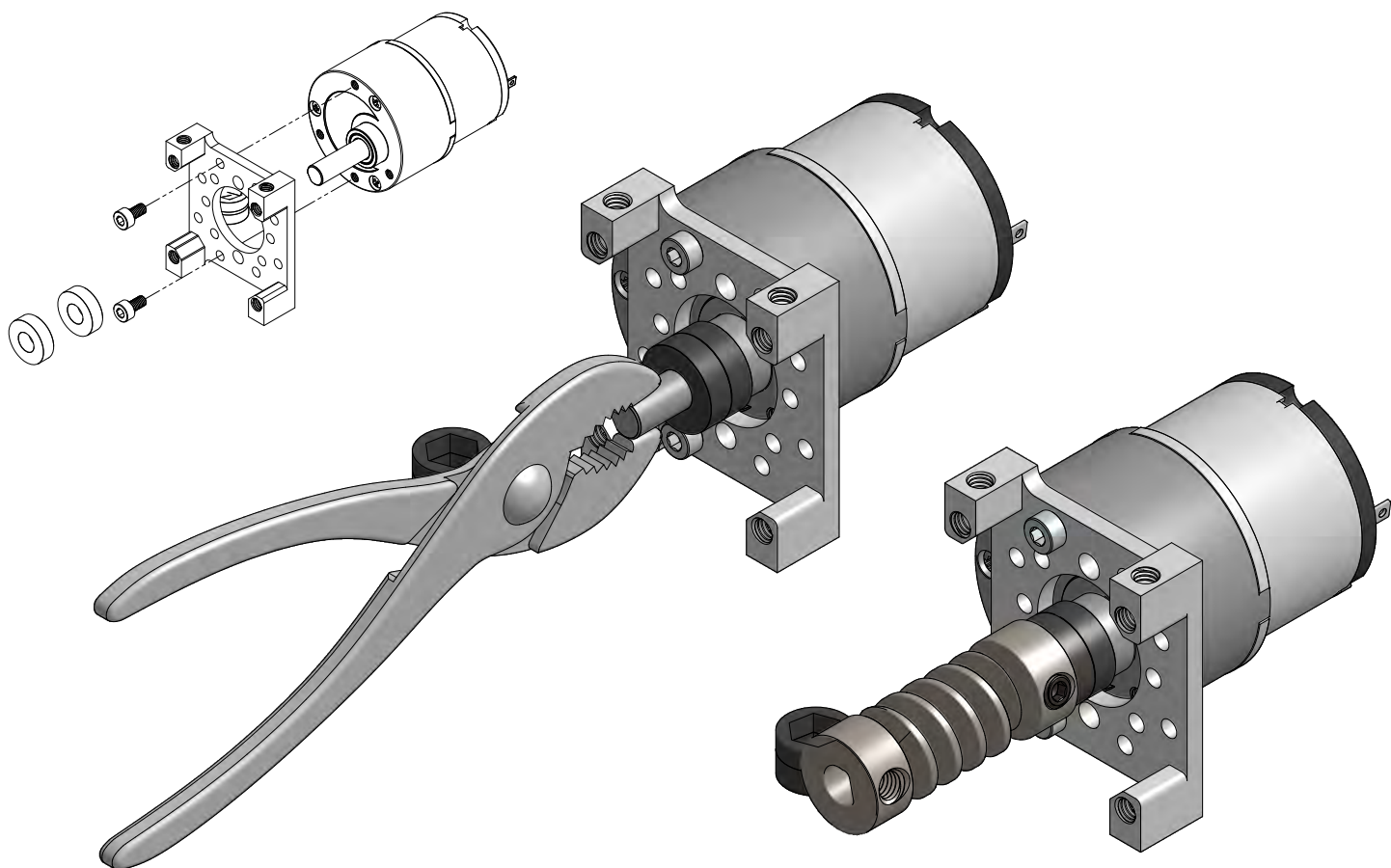
STEP 1

Use the 3mm hex key to drive the 4 thread-forming screws to attach the Middle Plate to the Bottom Plate as shown.



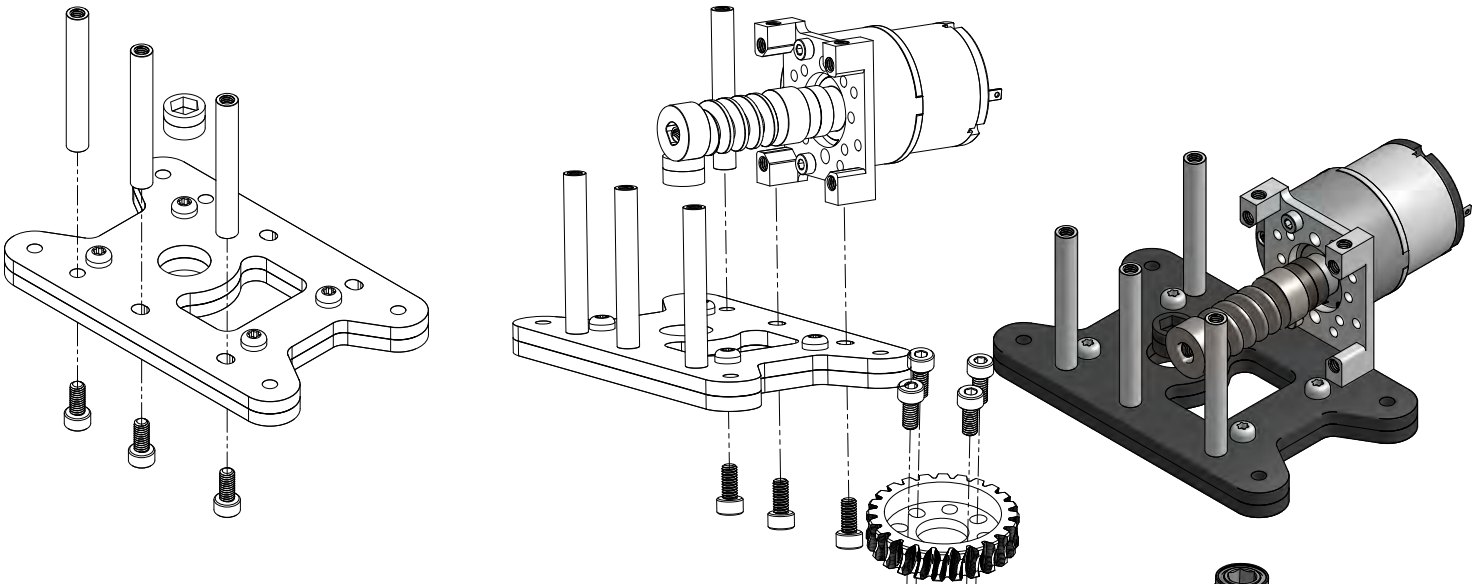
STEP 2

Use the M3 screws that were included with the motor mount to mount your motor (motor not included). Here a Standard Spur Gear Motor is shown. Next slide the two 6mm ID plastic spacers onto the shaft. Pull the shaft out with a pair of pliers while pushing the spacers towards the motor. This will remove axial play in the motor's output shaft. Next add the worm to the motor's output shaft. Tighten the worm's set-screw which is closest to the motor. We recommend removing the other set-screw given it has nothing to tighten down on - this will prevent it from coming loose in your assembly.



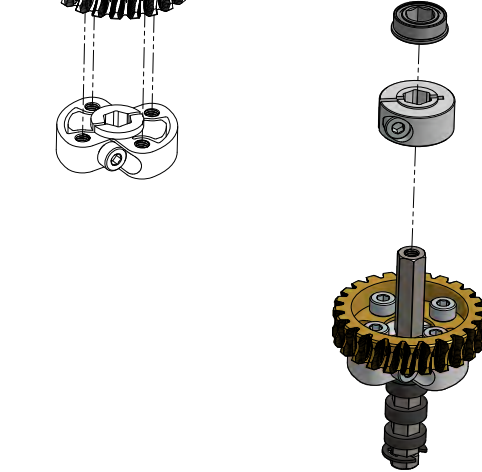
STEP 3

Use 6 of the 9mm length M4 screws to attach the 4 standoffs and the motor mount to the bottom plate assembly as shown. The 2 screws which attach the motor mount go through slots which allow the motor mount to slide back-and-forth before tightening the screws down. This allows the gear mesh to be adjusted. Leave those two screws a little loose for now.



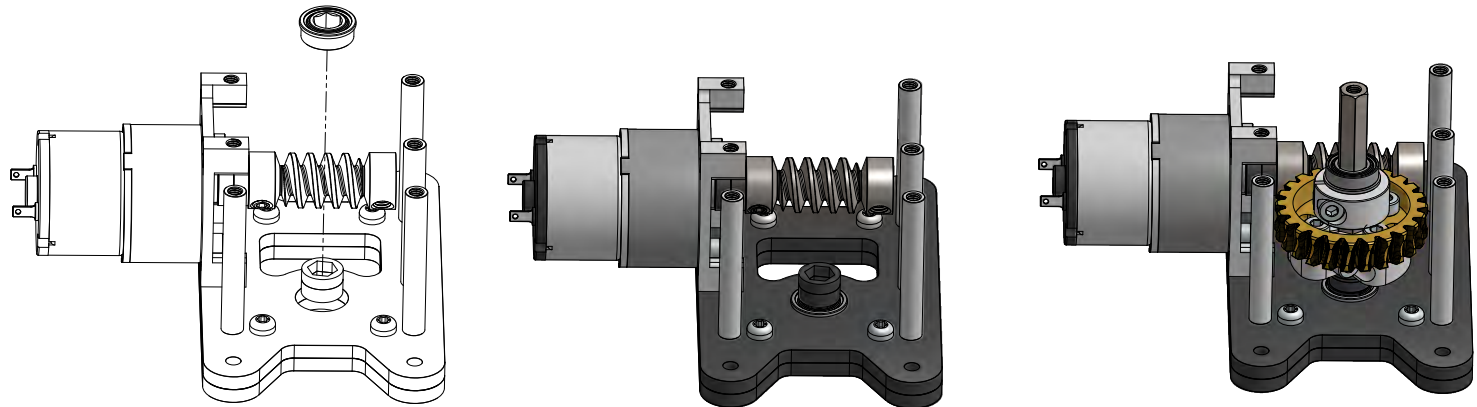
STEP 4

Use four 9mm length M4 screws to fasten the worm gear to a Sonic Hub. Slide both 8mm REX bore plastic spacers onto the 8mm REX shaft. Then slide the hub/gear assembly onto the 8mm REX Shaft as shown - leave the hub loose for now. Slide the collar and a bearing onto the shaft as well. Leave the collar loose as well. Both the hub and the collar have one side with a protrusion - note their orientation (facing up) in the images to the right.



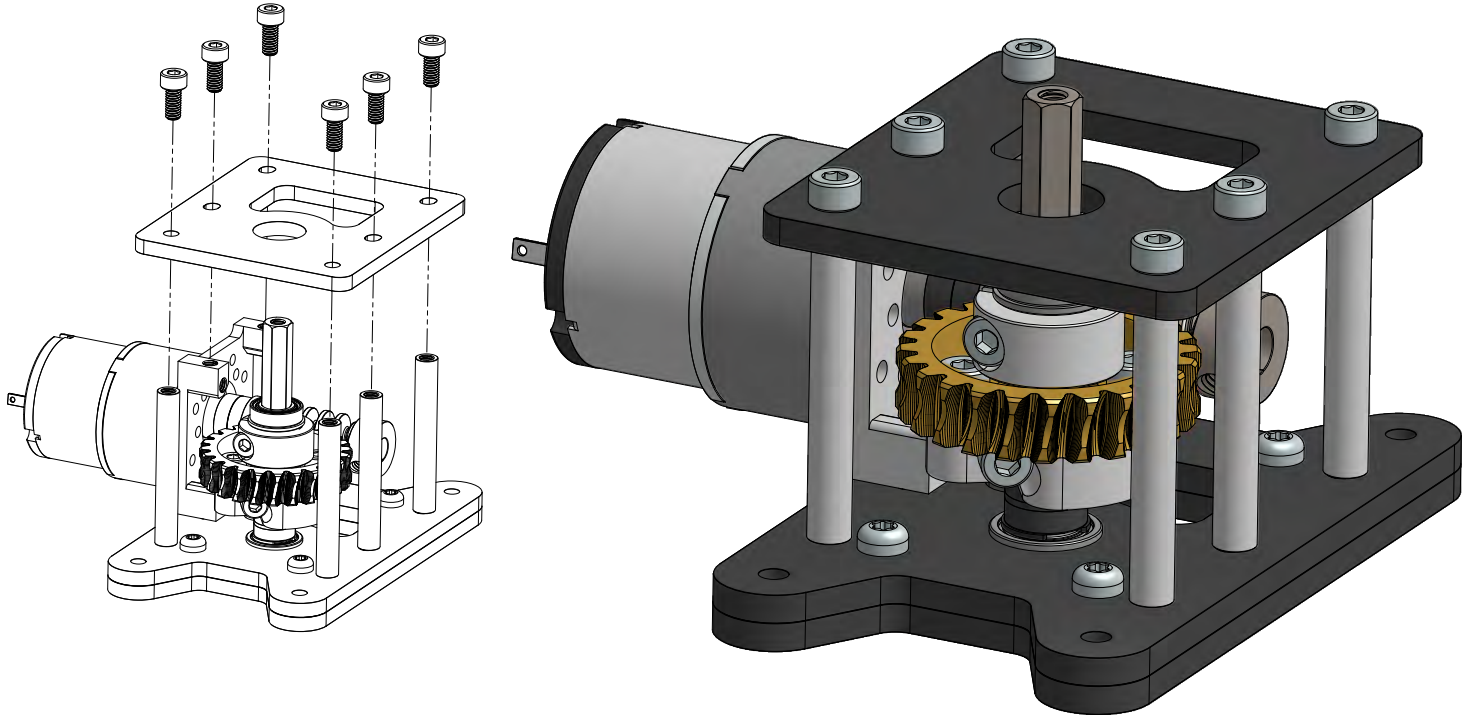
STEP 5

Insert the other bearing into the 14mm hole in the bottom plate assembly. Stand the STEP 4 assembly into that bearing as shown. Push the Sonic Hub down until it bottoms out and tighten its pinch bolts.



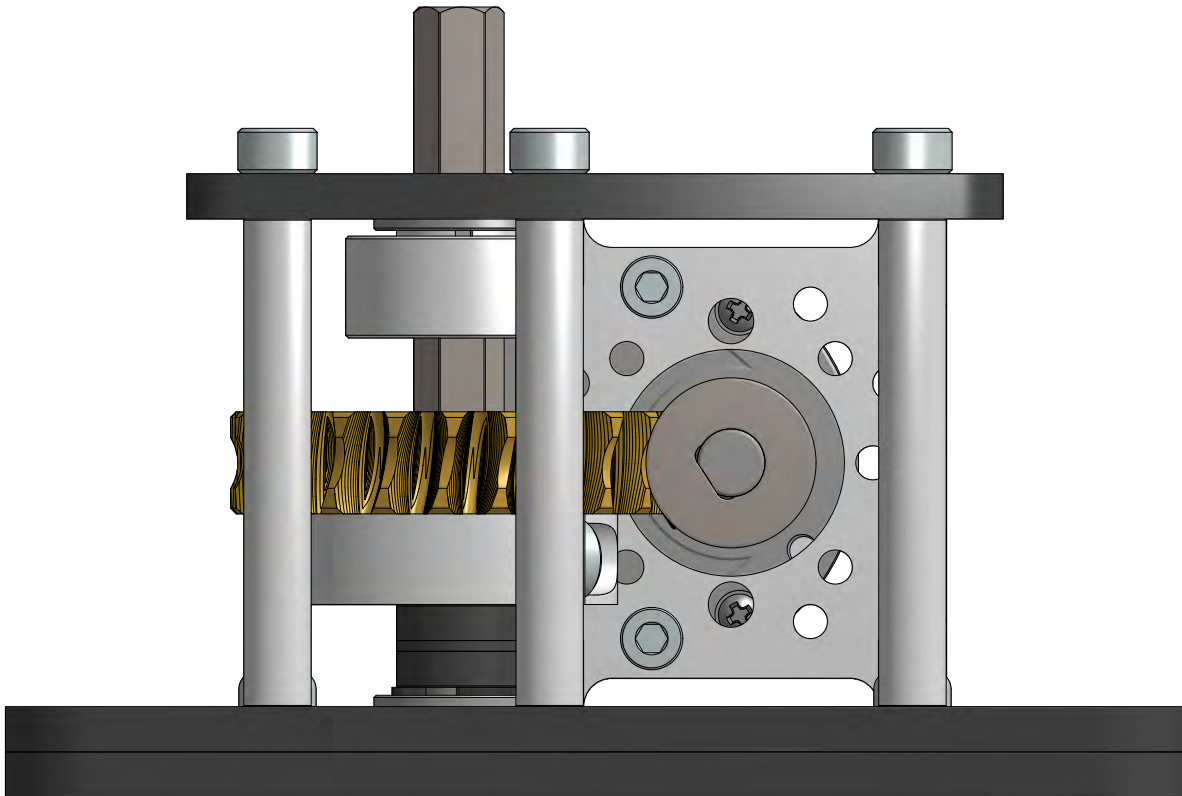
STEP 6

Use 6 more M4 Screws to attach the top plate as shown. Leave the 2 going into the motor mount loose for now.



STEP 7

Slide the top bearing and collar up until the bearing is seated in the under side of the top plate then tighten the collar's pinch bolt. The 4 screws that fasten the motor mount should still be loose enough to slide the motor assembly towards or away from the brass worm gear. Slide it now to adjust the spacing as desired and then tighten those 4 screws.



STEP 8

Finally, add the second Sonic Hub to the top of the 8mm REX shaft. Congratulations, your worm drive pan kit is now ready to use! See goBILDA.com for a wide range of components which can bolt to the 16mm square pattern on the output Sonic Hub!

