



COIL SPRING CONVERSION ASSEMBLY INSTRUCTIONS

BRODBECK IRONWORKS LLC

REVISION -

Contact Brodbeck Ironworks LLC for any questions or concerns before operating this equipment

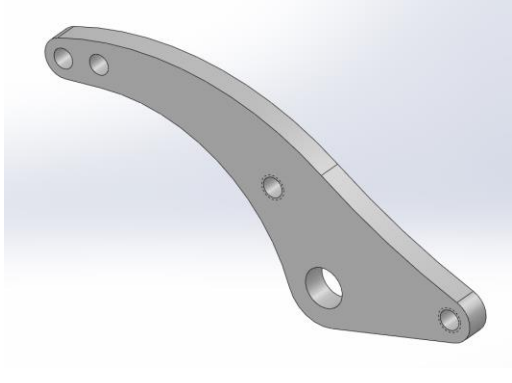

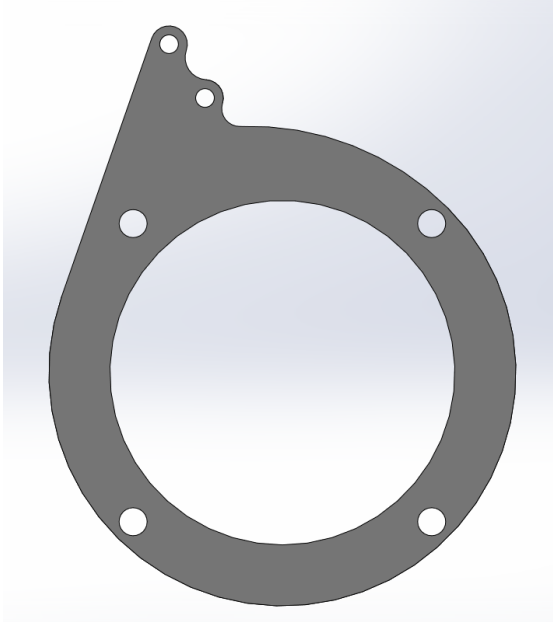

IF YOU HAVE ANY ISSUES WITH ASSEMBLY OR MISSING PARTS, PLEASE CONTACT US IMMEDIATELY

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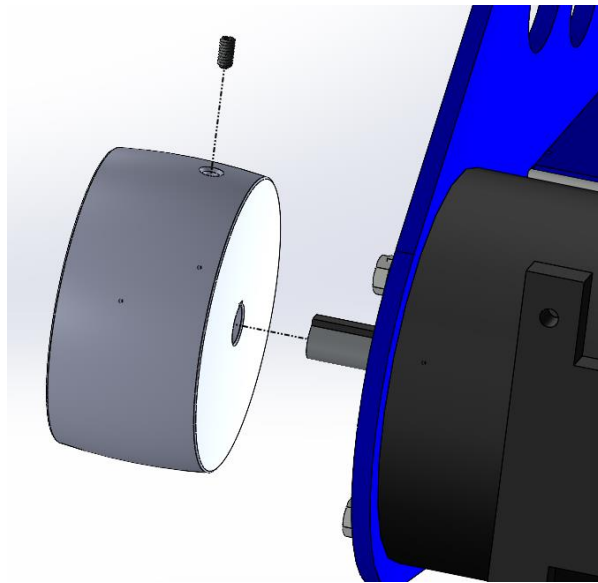
Parts List:

ITEM	DESCRIPTION	QTY	IMAGE
1	2 X 72 Coil Spring Tension Lever	1	
2	5/16-18 x 1/4" LG Socket Head Screw	2	
3	Coil Spring Tensioner Base	1	
4	Coil Spring	1	

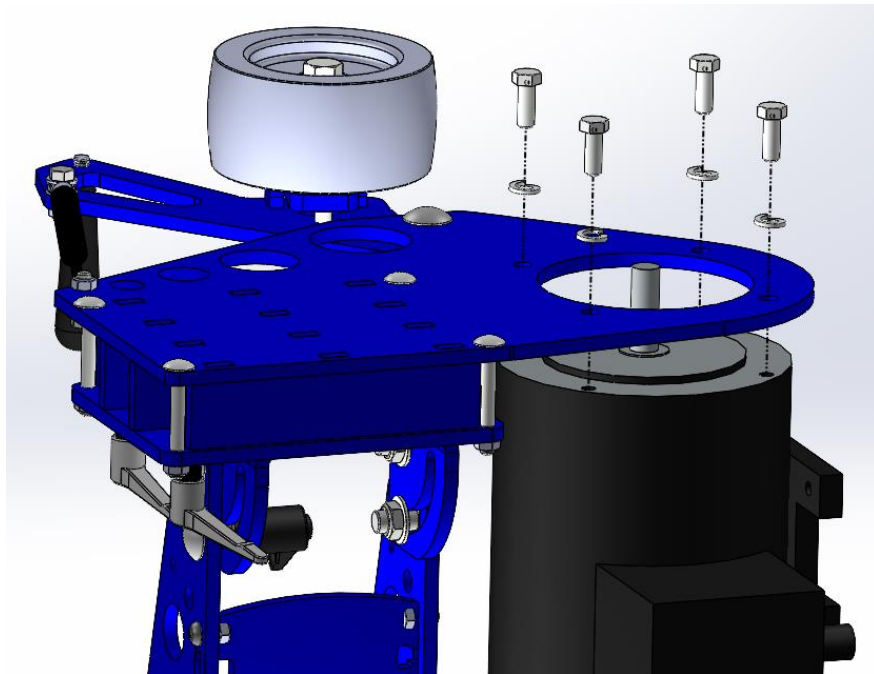
TOOL LIST

- 1/4" HEX (ALLEN) KEY
- 1/8" HEX (ALLEN) KEY
- 9/16" Combo Wrench or socket
- 1/2" Combo Wrench or socket
- 3/4" Combo Wrench or socket

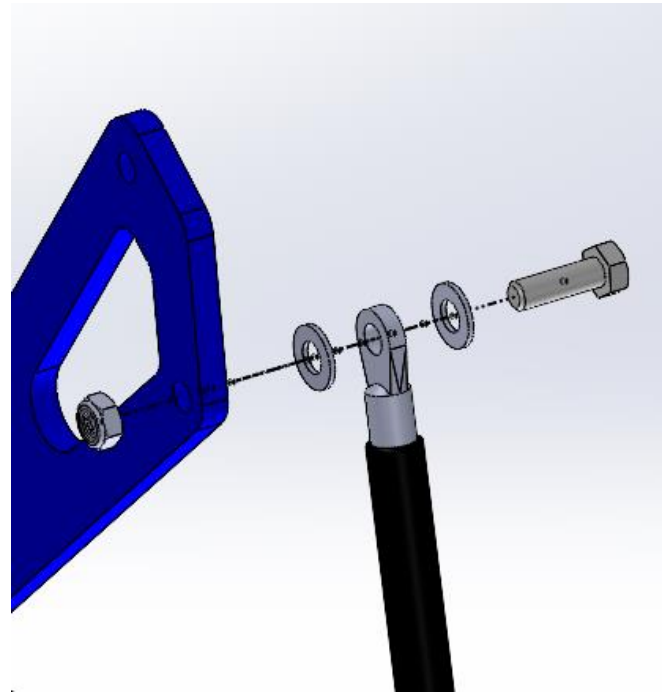
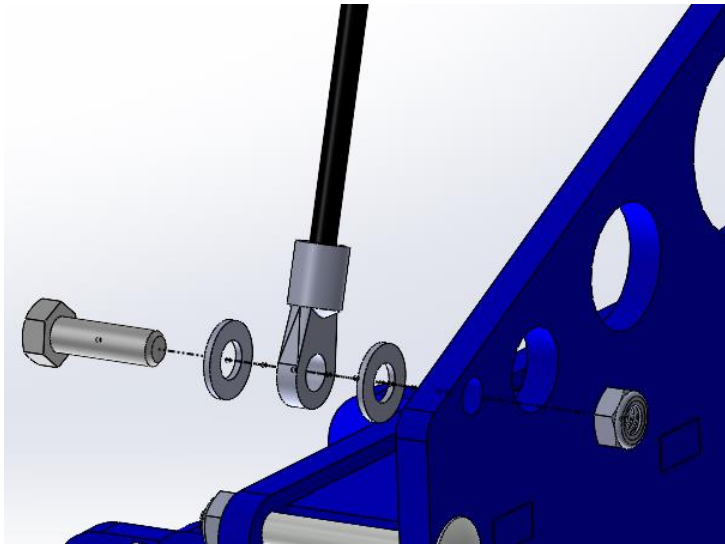
COIL SPRING CONVERSION ASSEMBLY



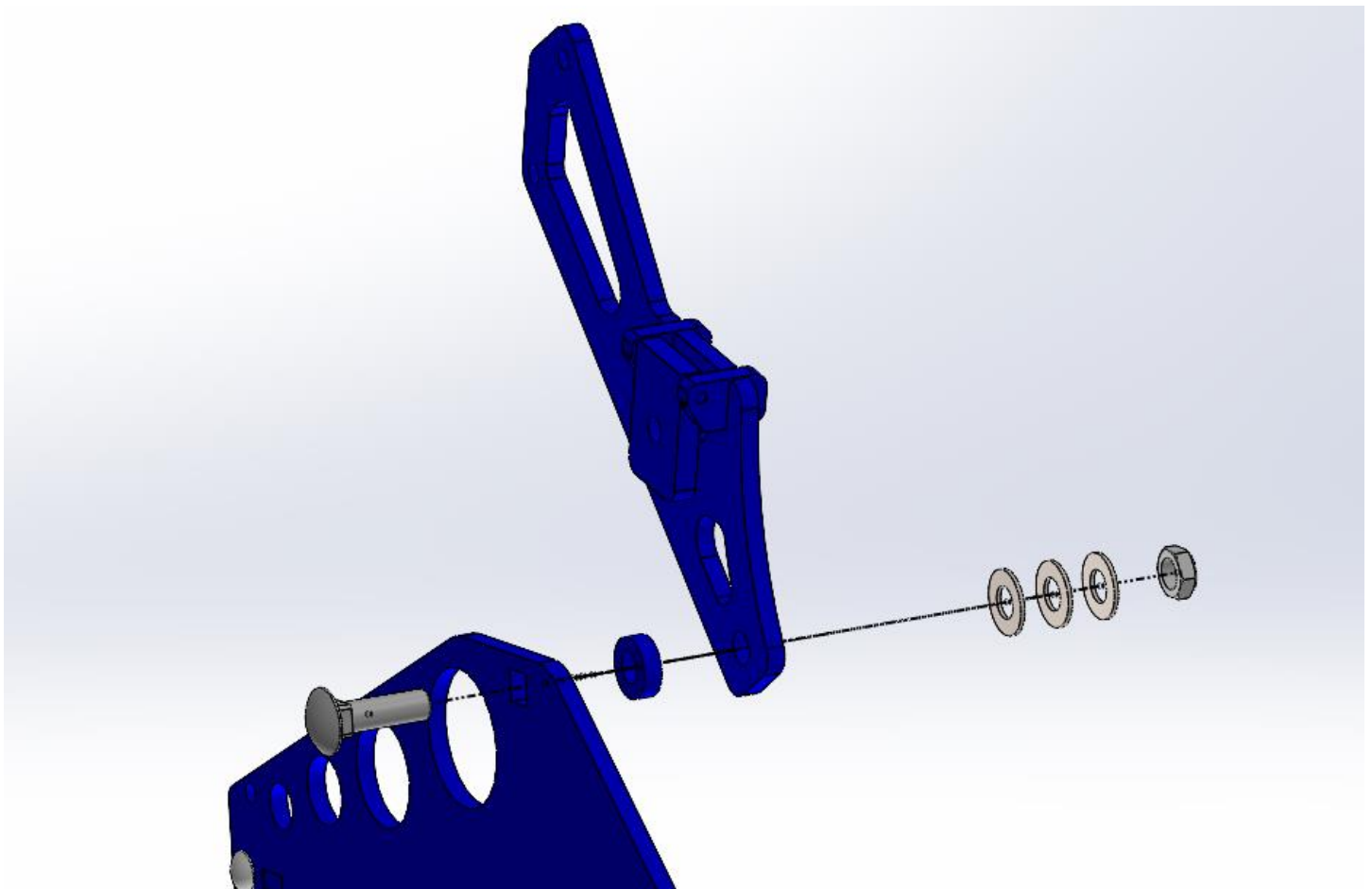
1. Measure the distance between the drive wheel and side plate. Make note of this as it will be needed later. Remove drive wheel from motor by loosening the set screw with 1/8" hex (Allen) Key.



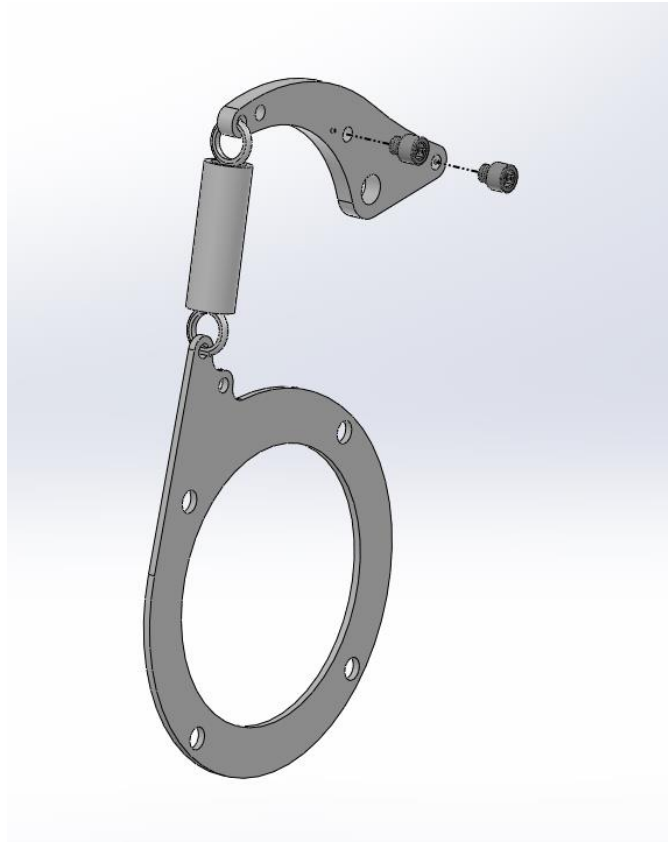
2. Remove motor bolts using 9/16 wrench and remove motor.



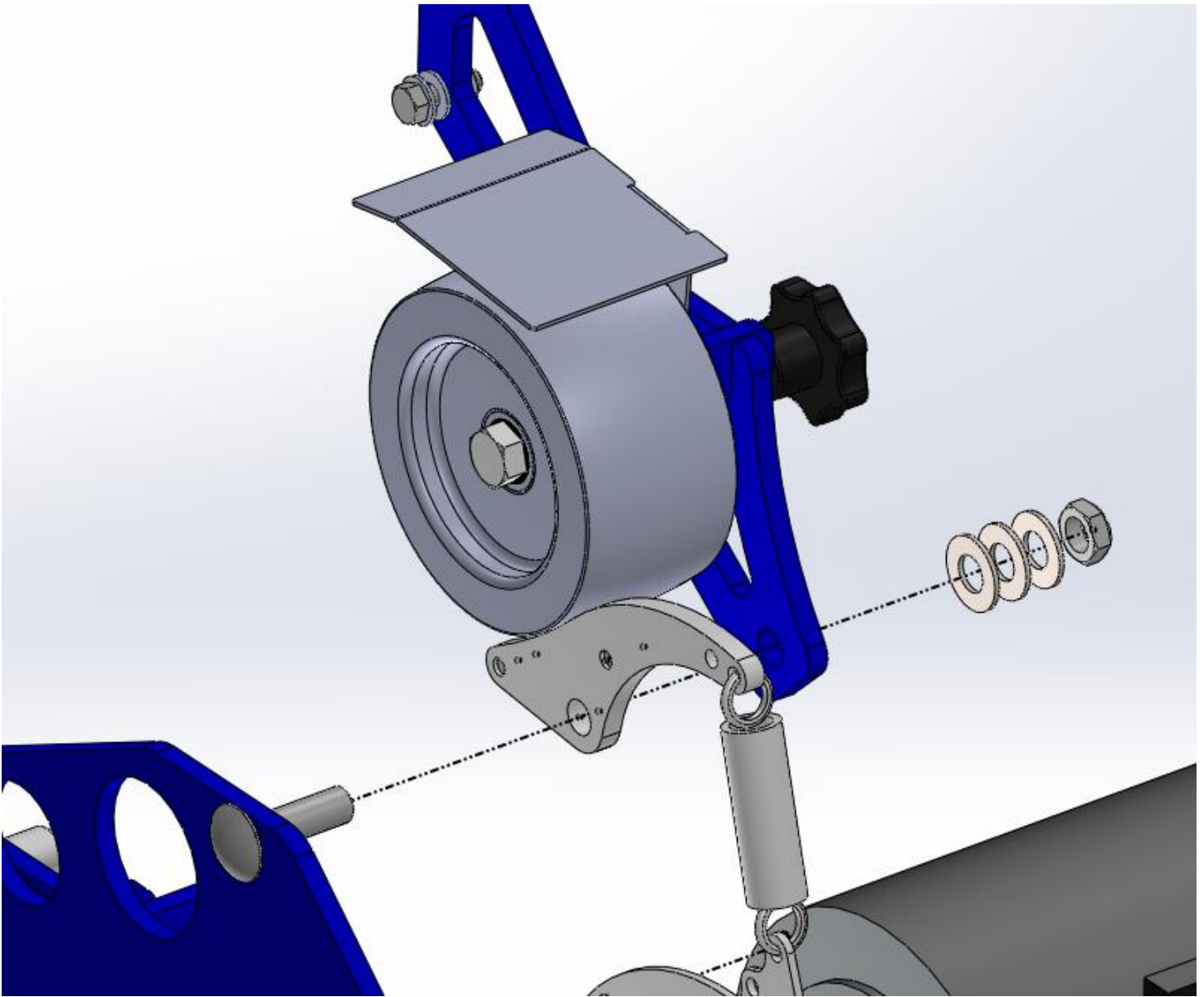
3. Remove gas spring and bolts using 1/2" wrench.



4. Remove the tracking arm assembly using a 3/4" wrench and take out the 5/16 thick spacer. Make note of the spacing you have for tuning. For example, you may have a washer and the spacer between the tension arm and the side plate.

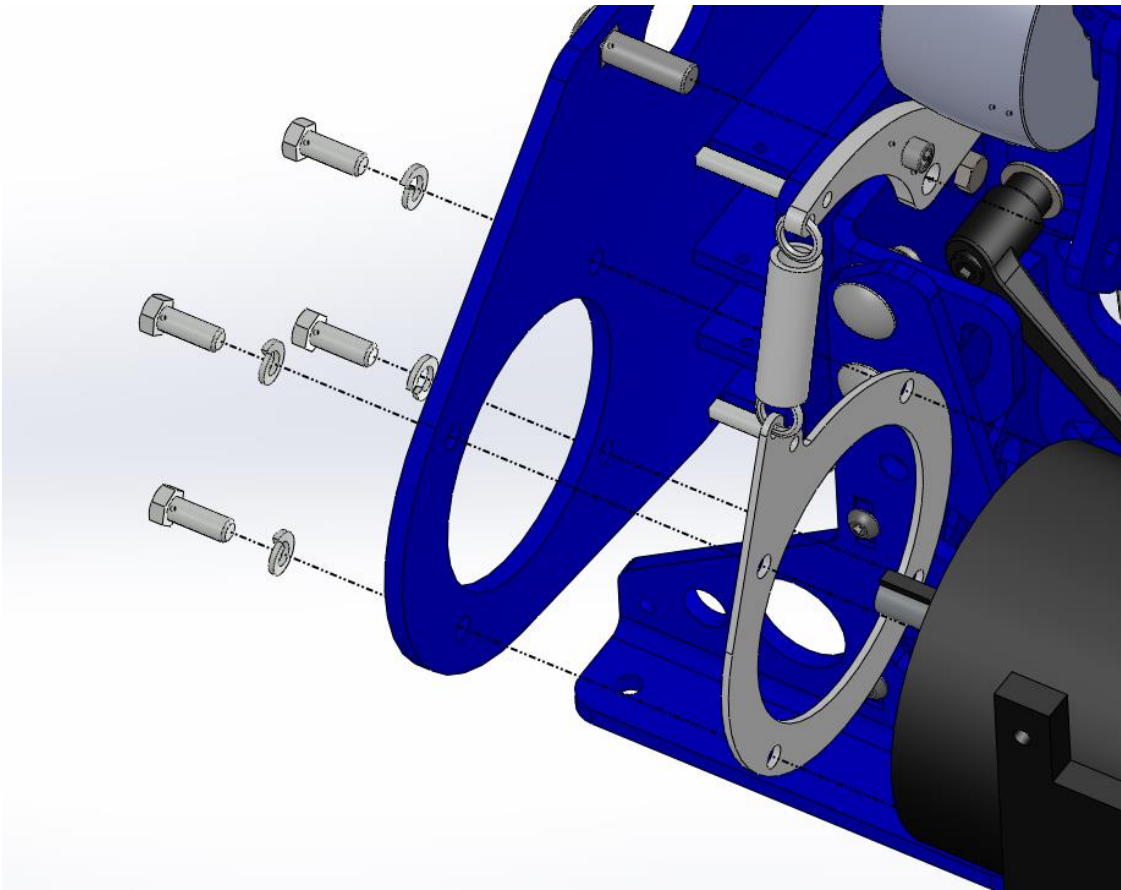


5. Install the 5/16 x 1/4" Socket Head Screws into the 2 X 72 Coil Spring Tensioner Lever. Connect the spring into the lever and the Coil Tensioner Base as shown.

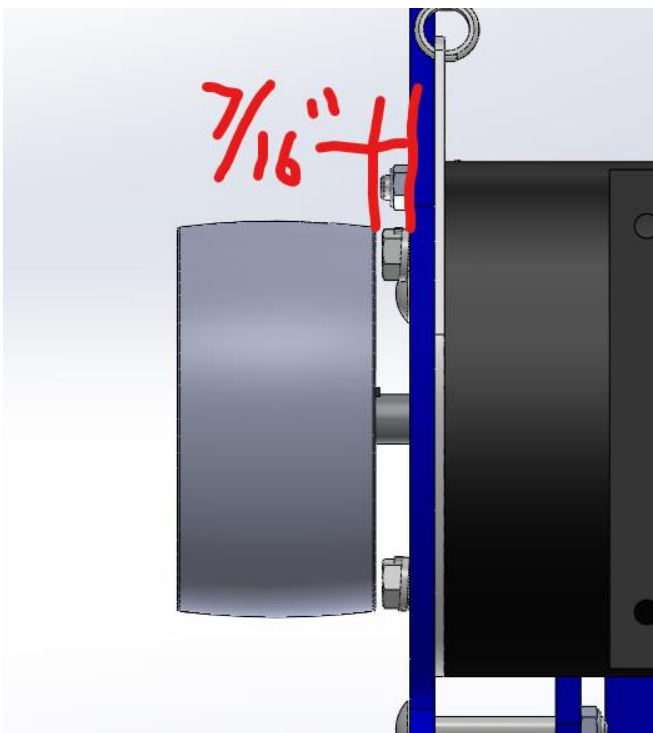


6. Re install tracking assembly with using the existing 1/2" Nylock nut and Washers.

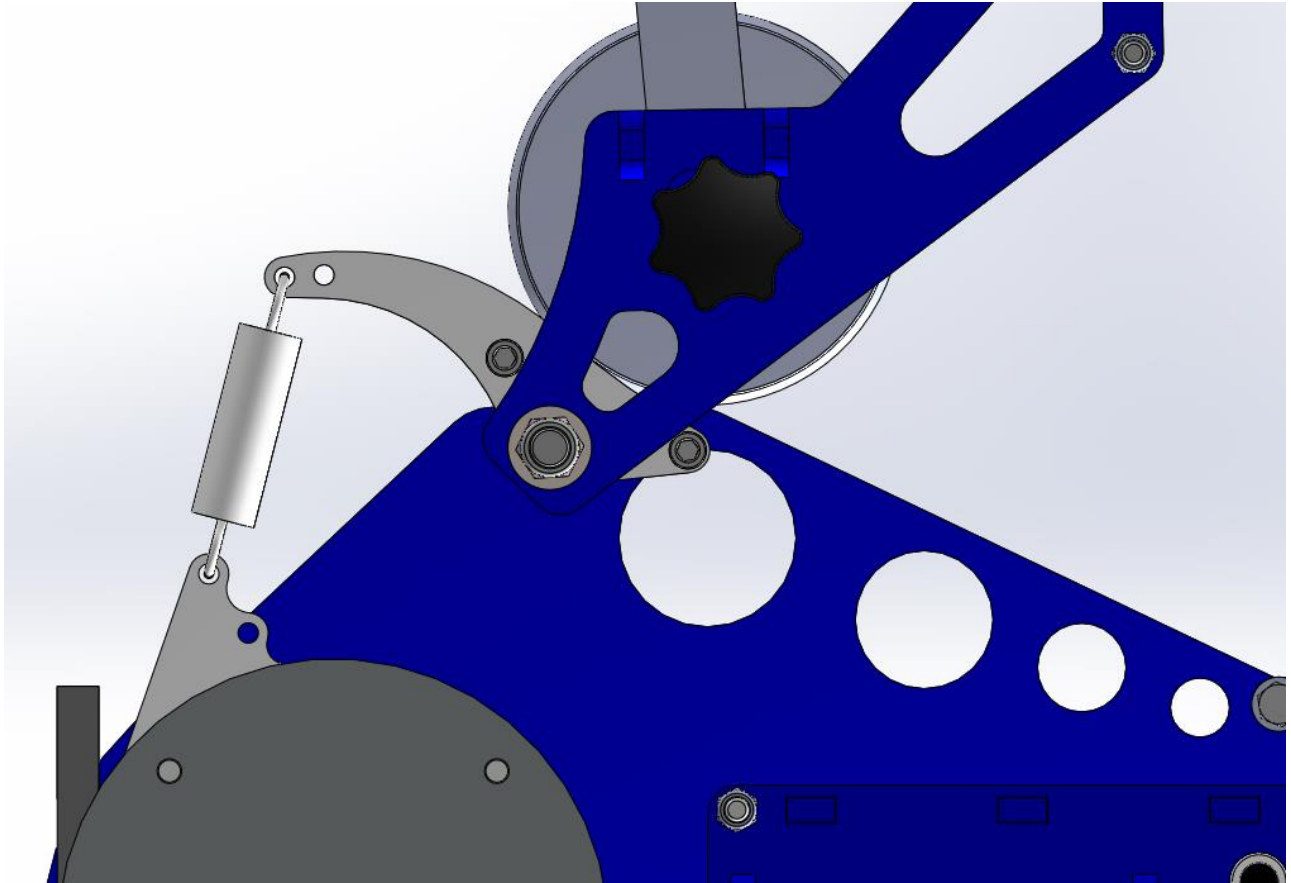
Keep your spacing (as noted in step 4) between the side plate and the Tension arm the same as your tuned set up.



7. Re install motor with the Coil Tensioner Base in between the motor and the side plate using the motor bolts.
8. Re install drive wheel and set to the distance noted in Step 1. ($7/16''$ is the default distance but is sometime changed to improve wheel alignment)



Here is a photo of the complete setup. The Tension arm should sit between the two 5/16-18 x 1/4" Socket Head Screws.



There are two sets of holes in the coil tensioning system. These holes can be used to adjust the tension specific to your set up.