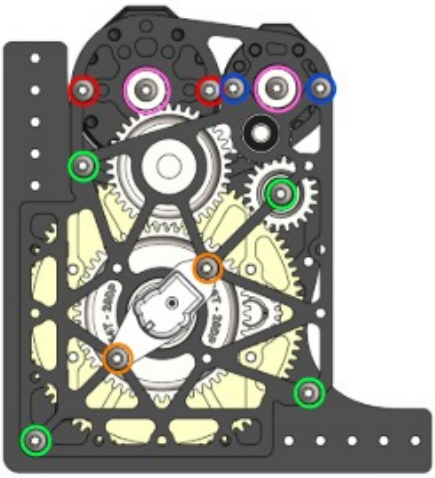
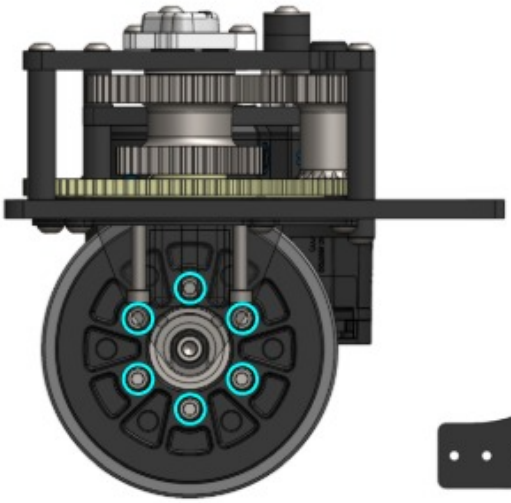
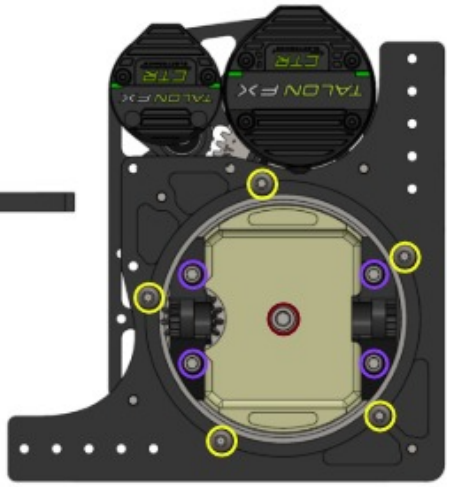
Manutenção dos Módulos

WCP Swerve X2c Bolt Checklist







- 4x ☐ Top Plate Bolts (#10-32 x 2-1/4"L BHCS)
- 2x ☐ Motor Bolts (#10-32 x 1/2"L BHCS)
- 2x ☐ Encoder Mount Bolts (#10-32 x 1/2"L BHCS)
- 2x ☐ Pinion Bolts (#10-32 x 1/4"L PHCS)
- 2x ☐ Motor Plate Bolts (#10-32 x 1-1/4"L BHCS)
- 6x ☐ Bevel Gear Bolts (#10-32 x 1"L SHCS)
- 5x ☐ Bearing Retention Bolts (#10-32 x 1/4"L BHCS)
- 4x ☐ Fork Bolts (#10-32 x 1-1/2"L SHCS)
- 1x ☐ Encoder Shaft Bolt (1/4"-20 x 1/2"L SHCS)

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Scan For X2 Manual

General Maintenance

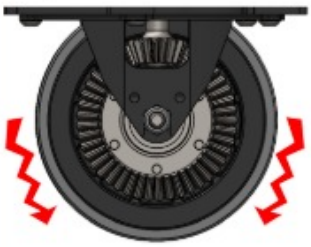
- ☐ Remove all debris in gears
- ☐ Make sure all gears have a light coating of grease
- ☐ Inspect all gears for excess wear
- ☐ Check tread for excess wear
- ☐ Ensure all bolt heads for tread are flush with wheel OD
- ☐ Check Status Light on Encoder
- ☐ Ensure that the Motors are fully secured
- ☐ Ensure that the wheel spins smoothly
- ☐ Changing Wheel
- ☐ Ensure that the wheel rotates smoothly



If the motors wiggle, check the following bolts:

1) The Orange Bolts securing the Motor.

Shaft should be able to spin after tightening bolts.

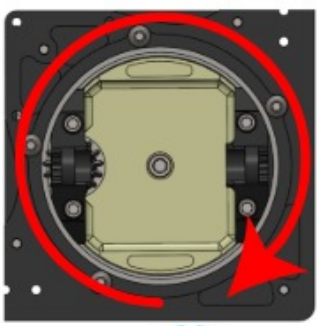


If the wheel does not spin smoothly, check the following:

1) Bolts holding in the Forks.
2) Ensure the bevel gear in the wheel is flat.
3) 1/4"-20 bolt securing the wheel.

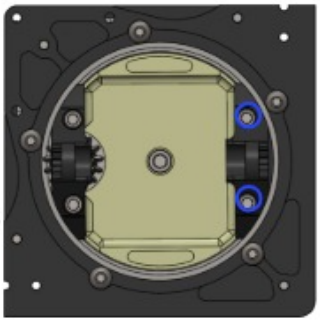
If the wheel does not rotate smoothly, check the following:

1) Dirty/seized bearing.
2) Physically damaged bearing.



Wheel changing procedure:

1) Loosen highlighted bolts (2-3 turns).
2) Lift fork.
3) Remove wheel.
4) Reverse steps to reinstall.
5) Retighten highlighted bolts.



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