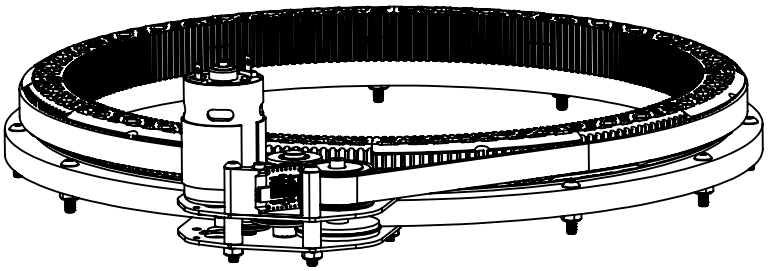
ARMABOT

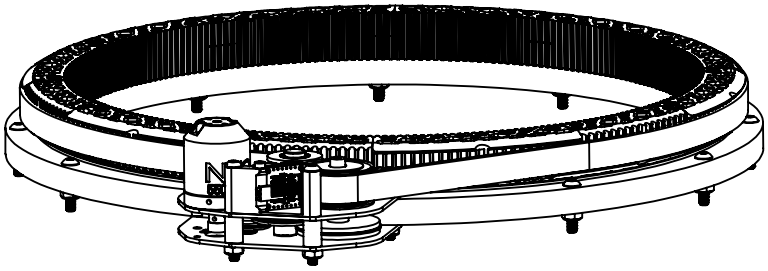
Turret240v2
P/N A0093
Installation Instructions

It is helpful to familiarize yourself with the CAD model before assembly. Also having the CAD model open during assembly can help identify parts and spacing. Read all of the directions before proceeding. Mutiple curing steps are necessary, plan for a multi-day build.

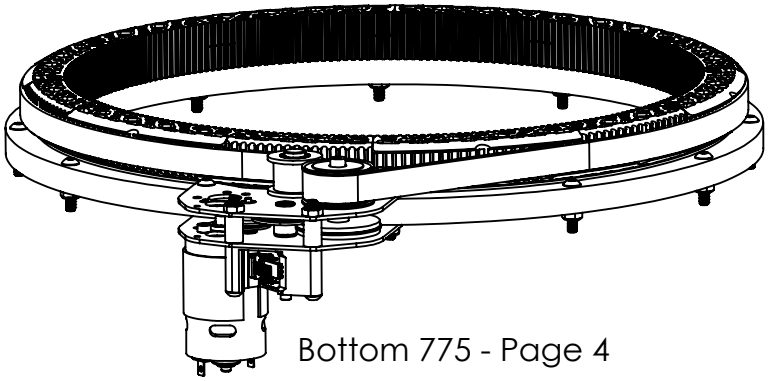
Pick an orientation below.



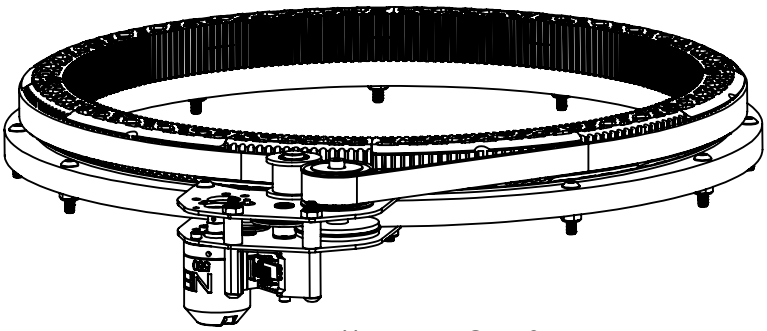
Top 775 - Page 2



Top NEO550 - Page 3



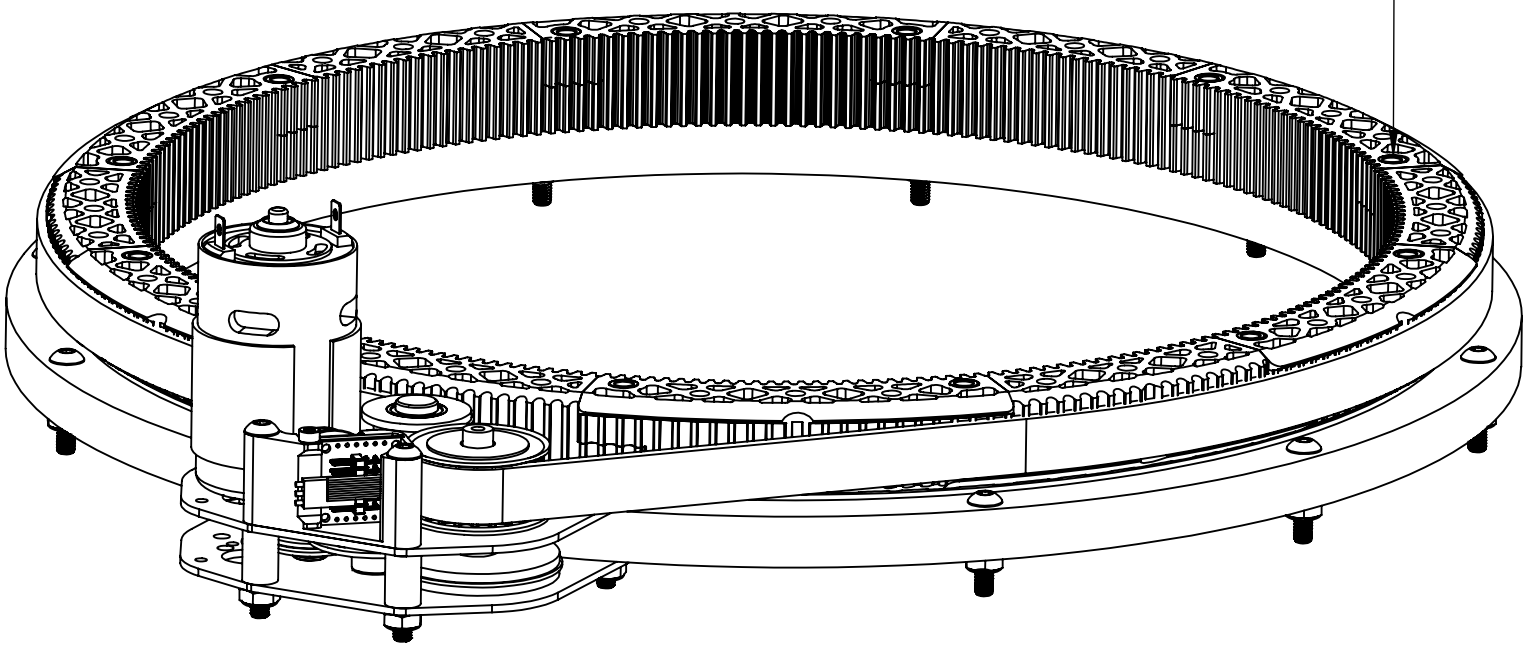
Bottom 775 - Page 4



Bottom NEO550 - Page 5

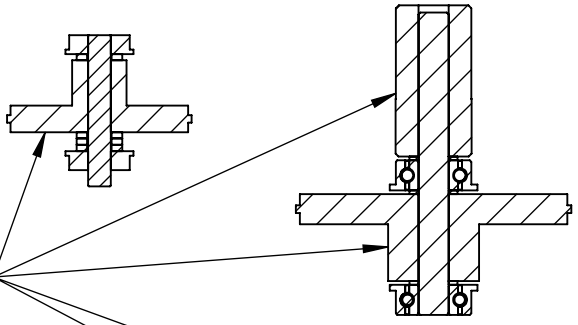
Use Loctite thread locker (not retaining compound) on all screws that aren't secured via another locking feature such as a lock nut.

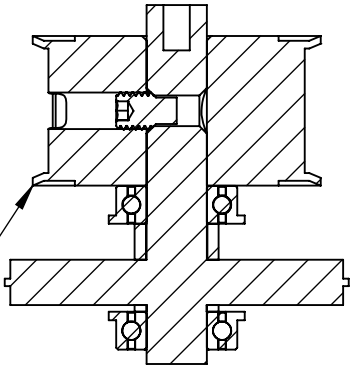
In 12 places, tap spacer with mallet into position so that they align into bearing. Use 12, #10-32, screws and your plate to secure down pulley to bearing. Minimum required screw length = 1.4 inches + your plate thickness.

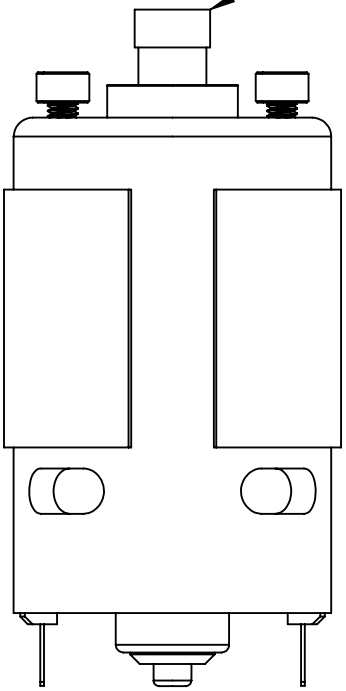


Install/build the below assemblies inbetween the two gearbox plates.

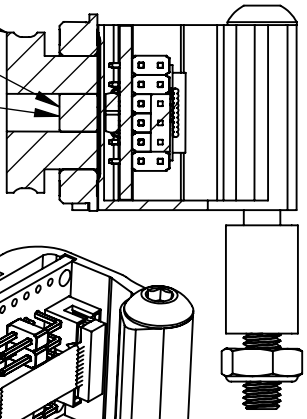
Clean gear bore and shaft with rubbing alcohol, apply retaining compound, Loctite 680, do not get on bearings, clean off excess adhesive, let cure for 24 hours.

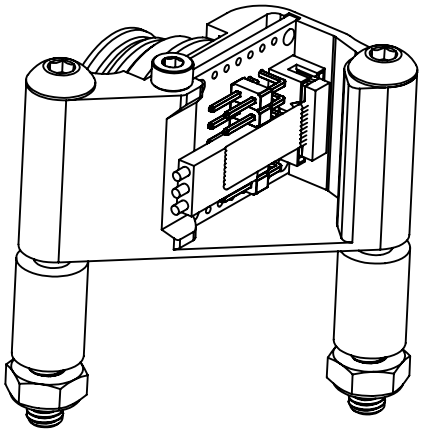




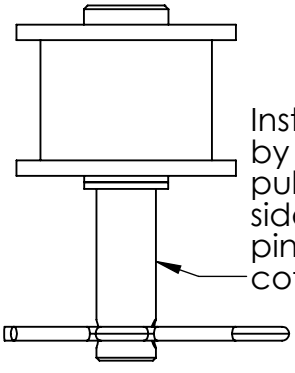


Magnet





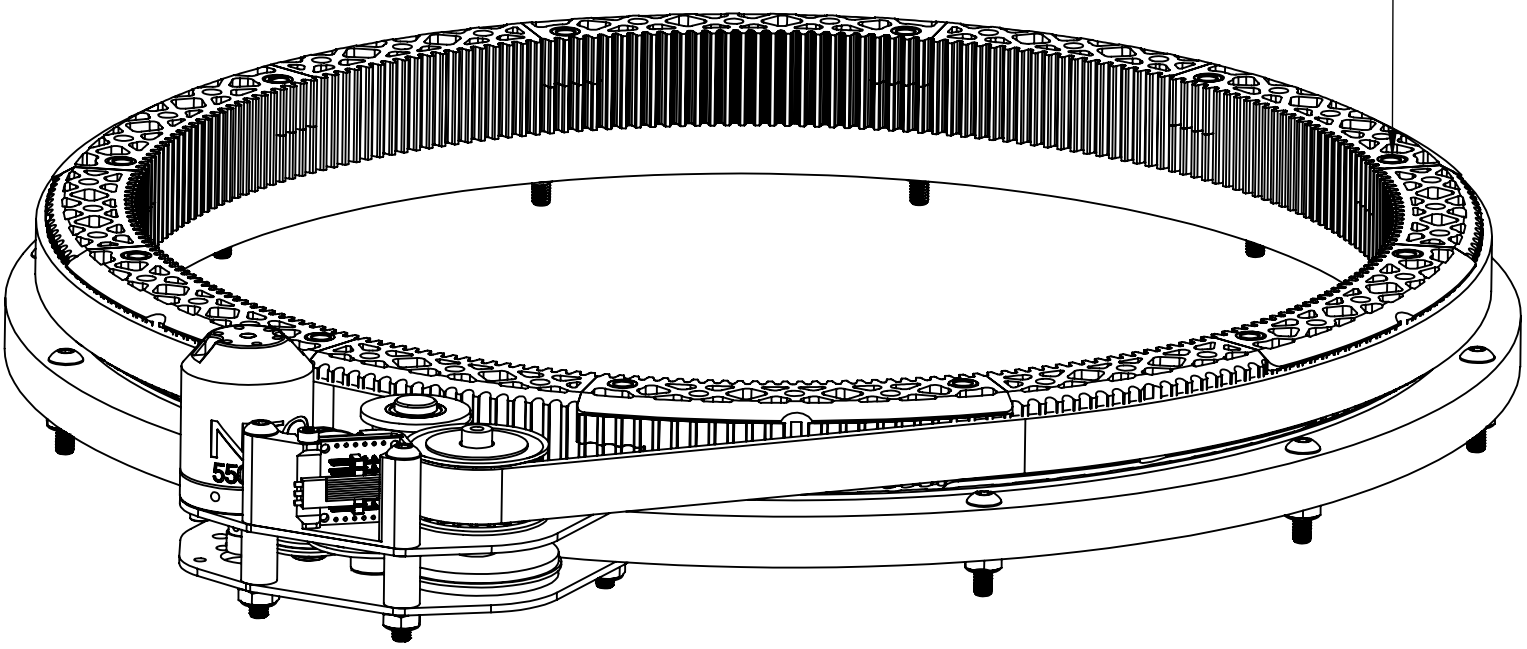
Retaining compound optional. Clean pulley bore and shaft with rubbing alcohol, apply retaining compound, Loctite 680, do not get on bearings, align to correct position using set screw dog, clean off excess adhesive, let cure for 24 hours. Will trap plate to this assembly.



Install timing belt by sliding idler pulley in from the side and inserting pin, secure with cotter pin.

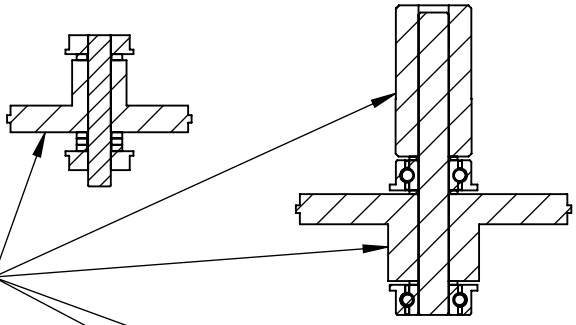
Use Loctite thread locker (not retaining compound) on all screws that aren't secured via another locking feature such as a lock nut.

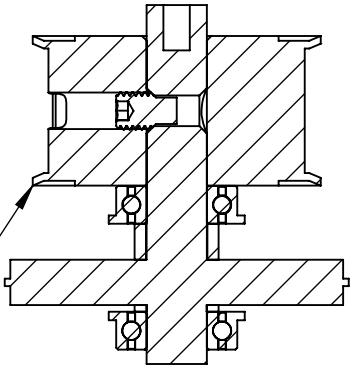
In 12 places, tap spacer with mallet into position so that they align into bearing. Use 12, #10-32, screws and your plate to secure down pulley to bearing. Minimum required screw length = 1.4 inches + your plate thickness.



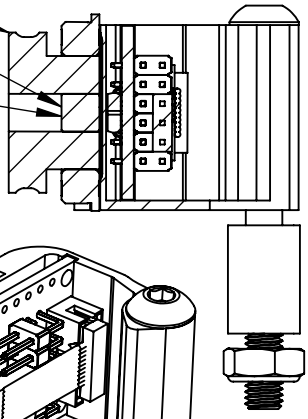
Install/build the below assemblies inbetween the two gearbox plates.

Clean gear bore and shaft with rubbing alcohol, apply retaining compound, Loctite 680, do not get on bearings, clean off excess adhesive, let cure for 24 hours.





Magnet (either orientation)



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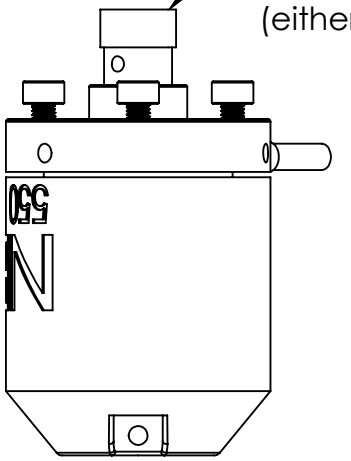

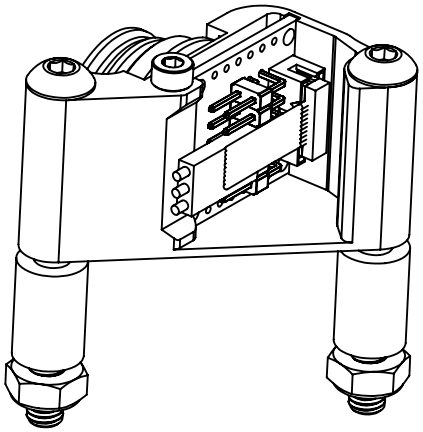

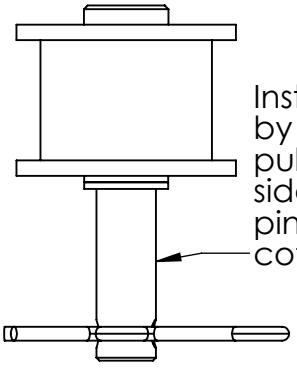

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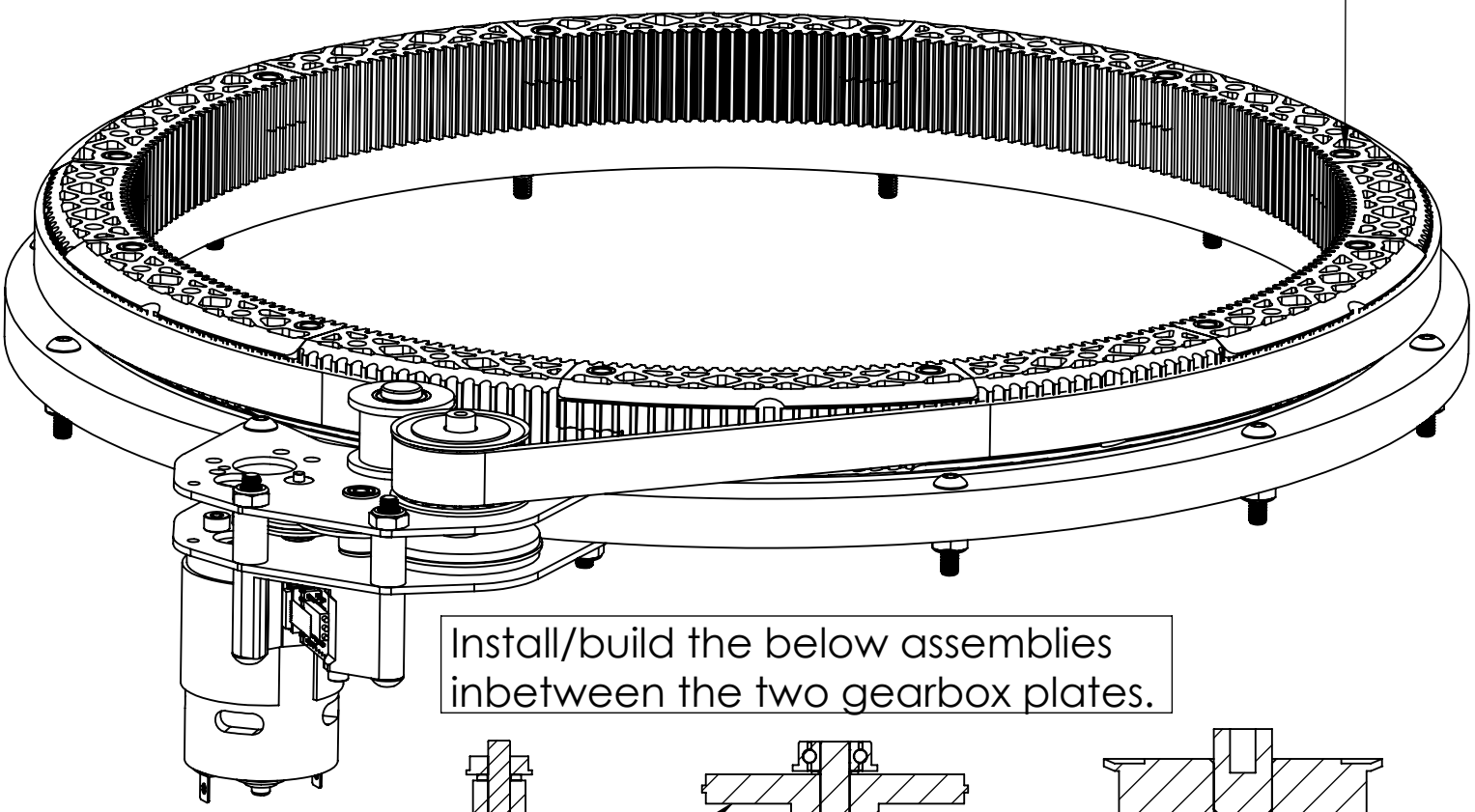

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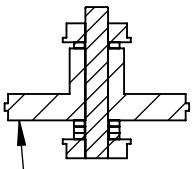

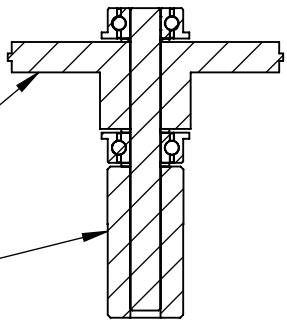

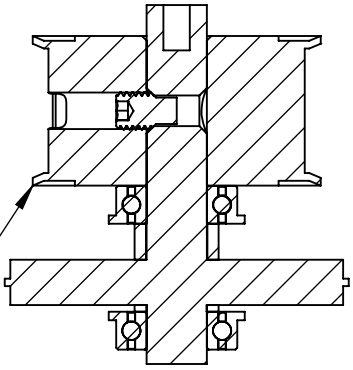

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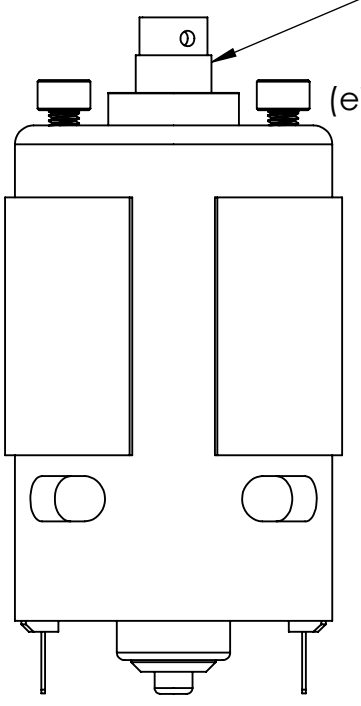
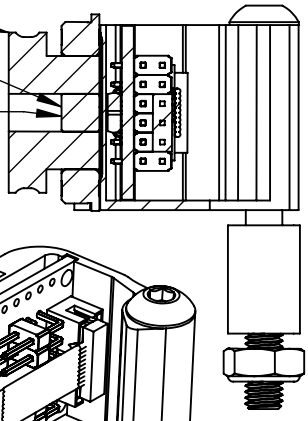
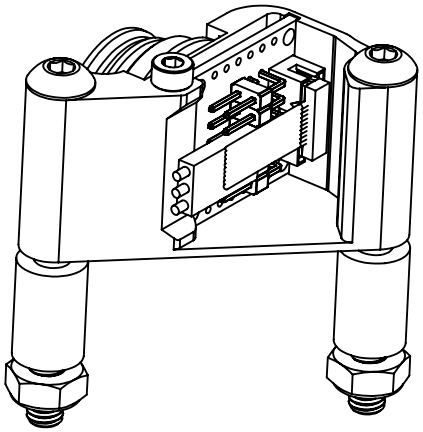


Magnet (either orientation)





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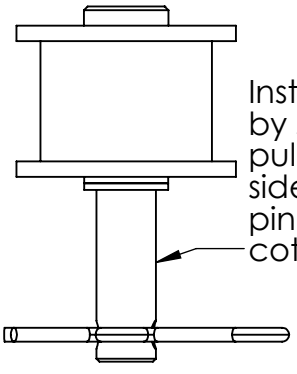

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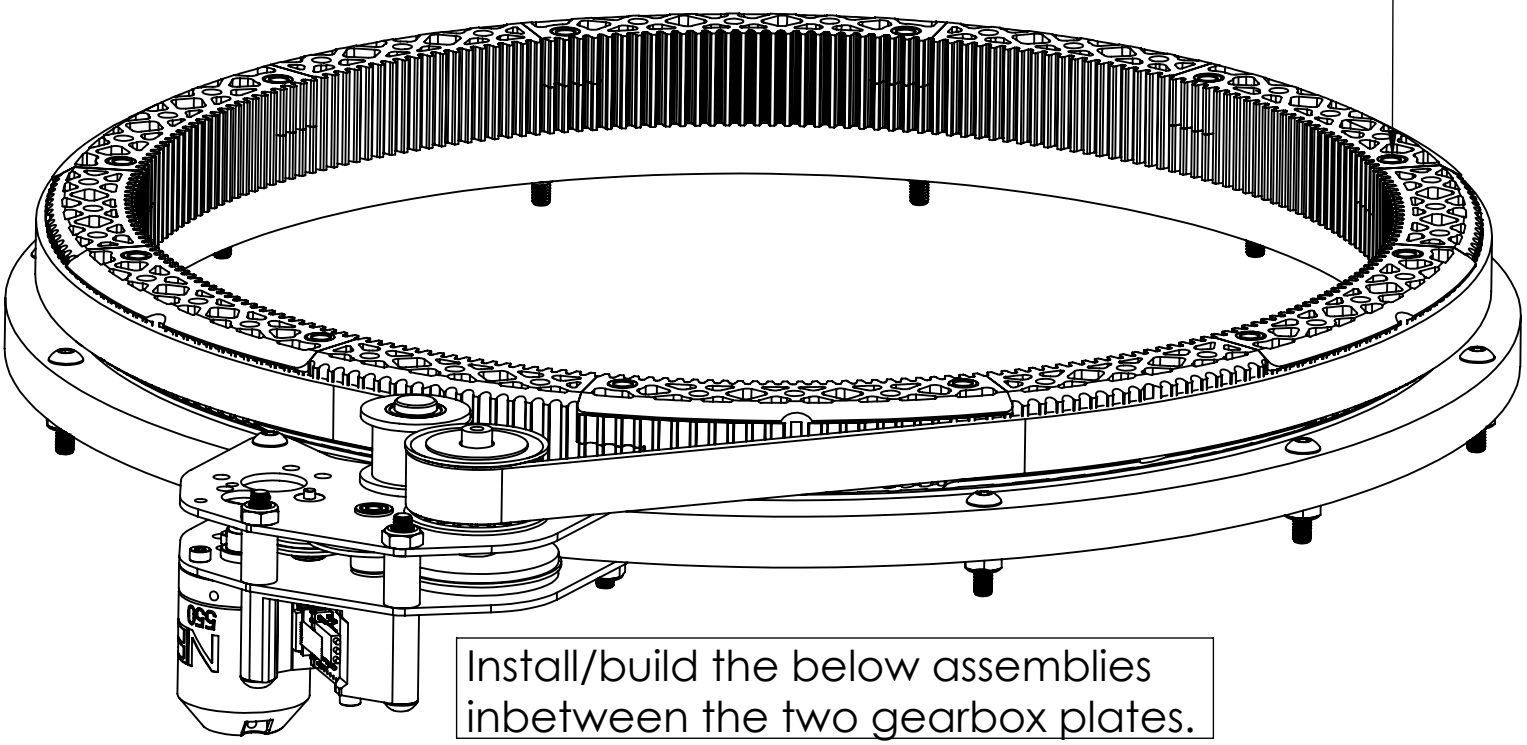

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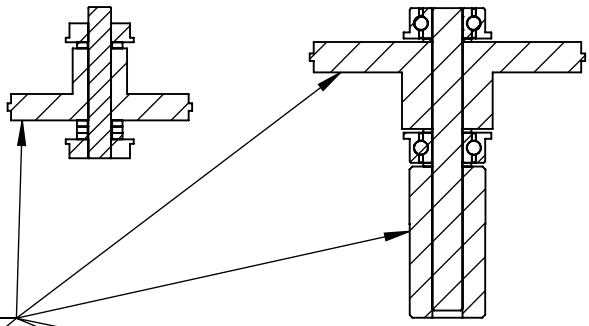
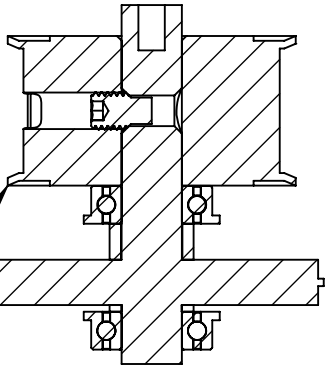
Observe orientation. Clean gear bore and shaft with rubbing alcohol, apply retaining compound, Loctite 680, do not get on bearings, clean off excess adhesive, let cure for 24 hours.





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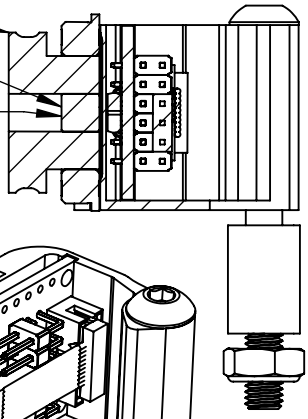

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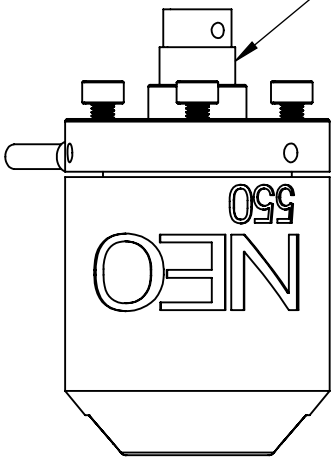

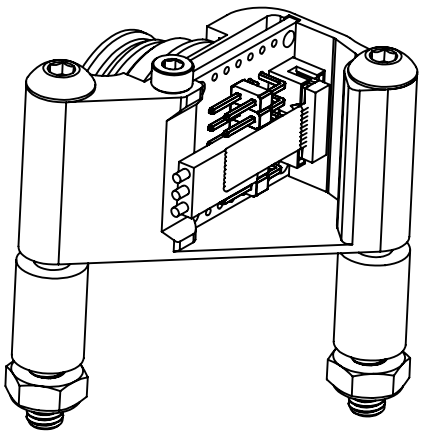

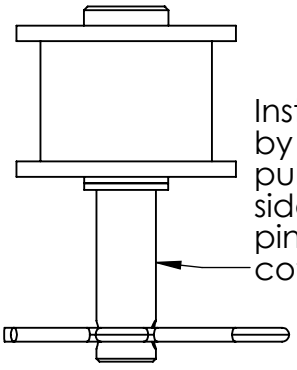

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