

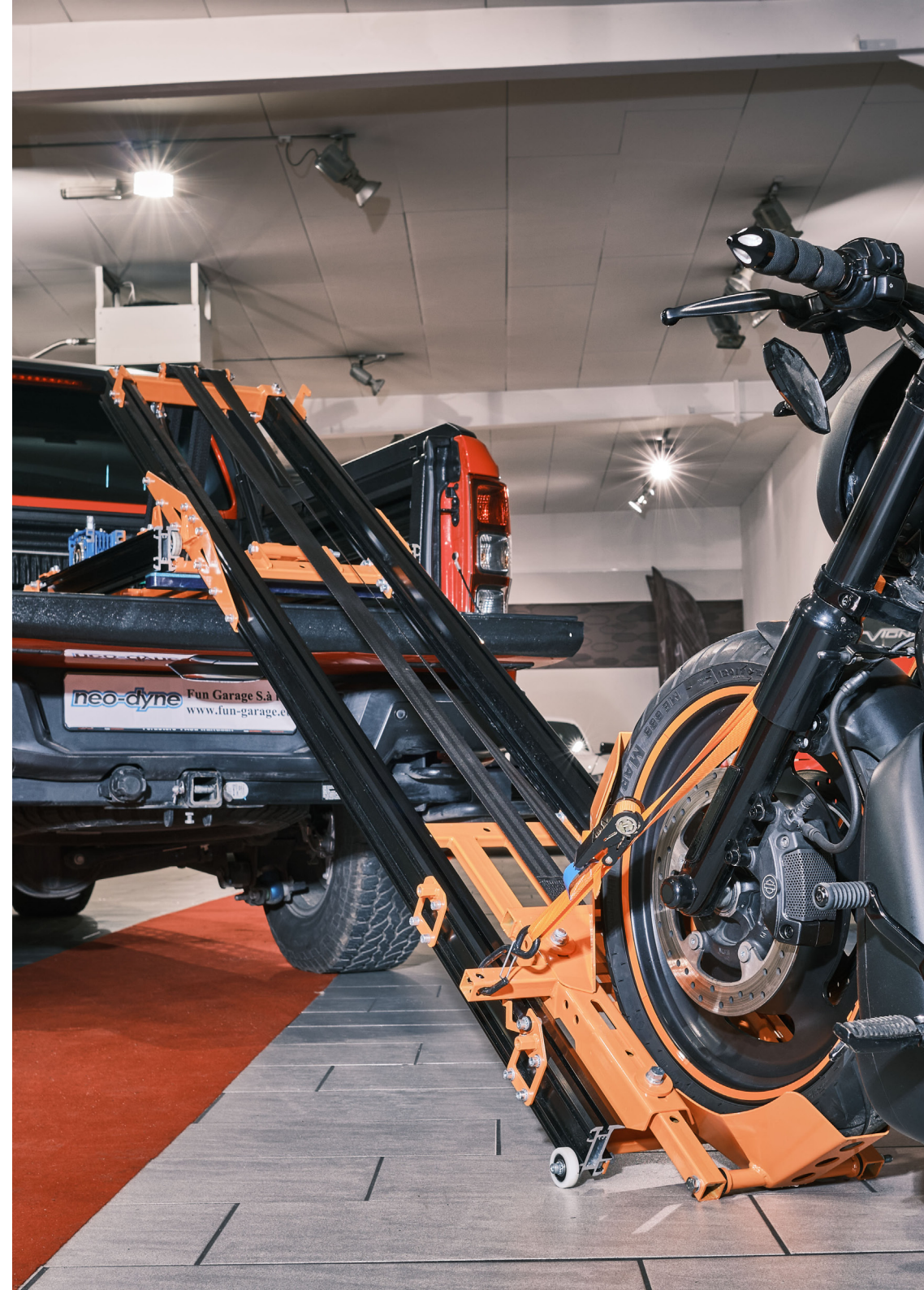
MAINTENANCE MANUAL AUN SERIES RAMPS

REVISION 1, march 25 2022

These loaders are largely maintenance free however one needs to check the straps and worm drive from time to time.

If you use these ramps daily and for professional use then please follow the monthly maintenance procedures.

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BEFORE MAINTENANCE WORK

The loaders have gas springs. Therefore before performing any maintenance work, make sure the ramp is locked with both knobs at the back.

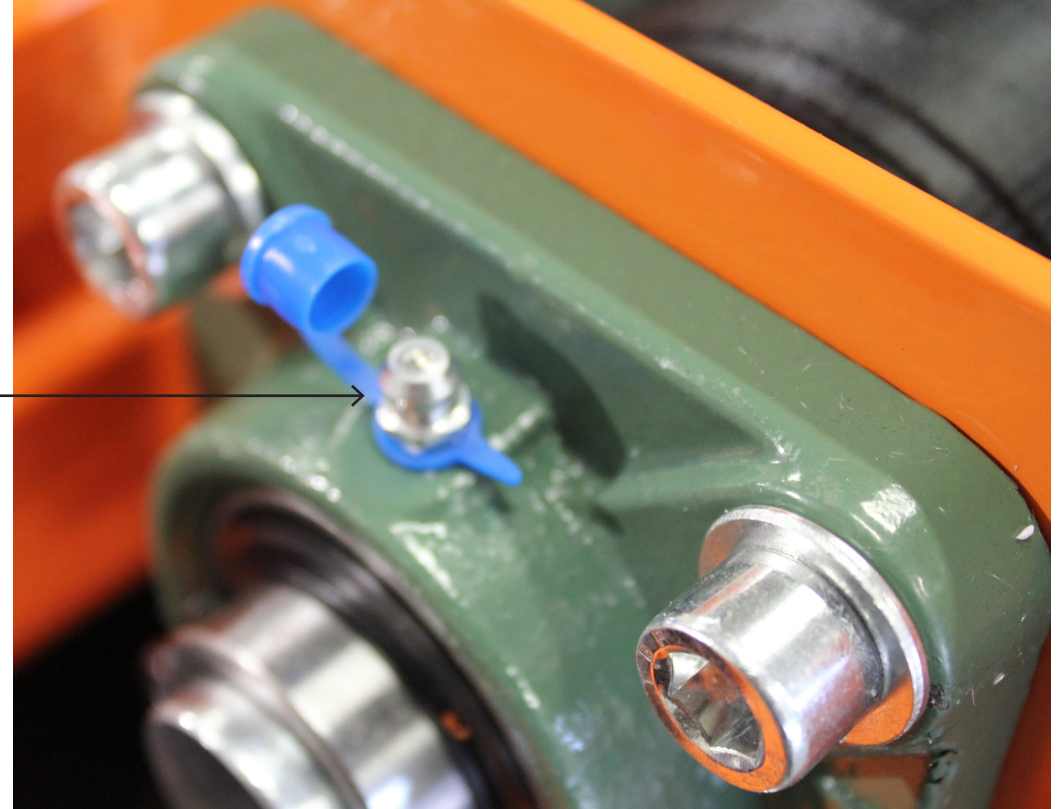


WEEKLY CHECKS/PROFESSIONAL USE

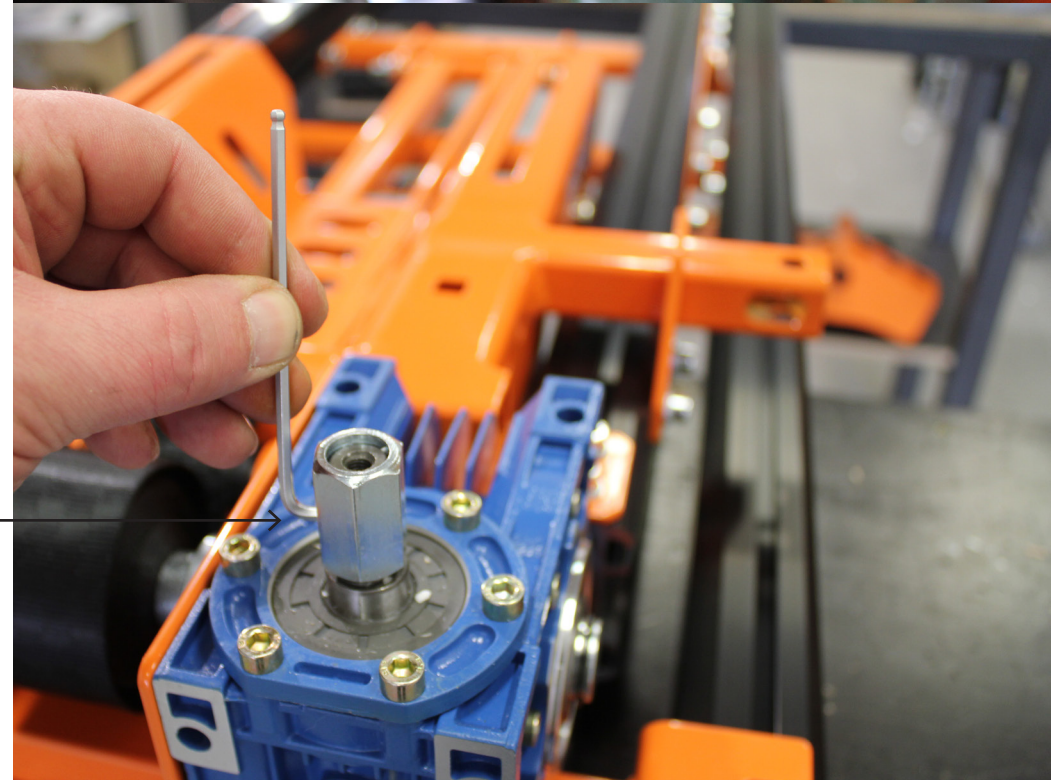
Grease the bearing block with a grease gun.

Re-tighten the stop screws in the drive nut.

GREASE FITTING



DRIVE NUT



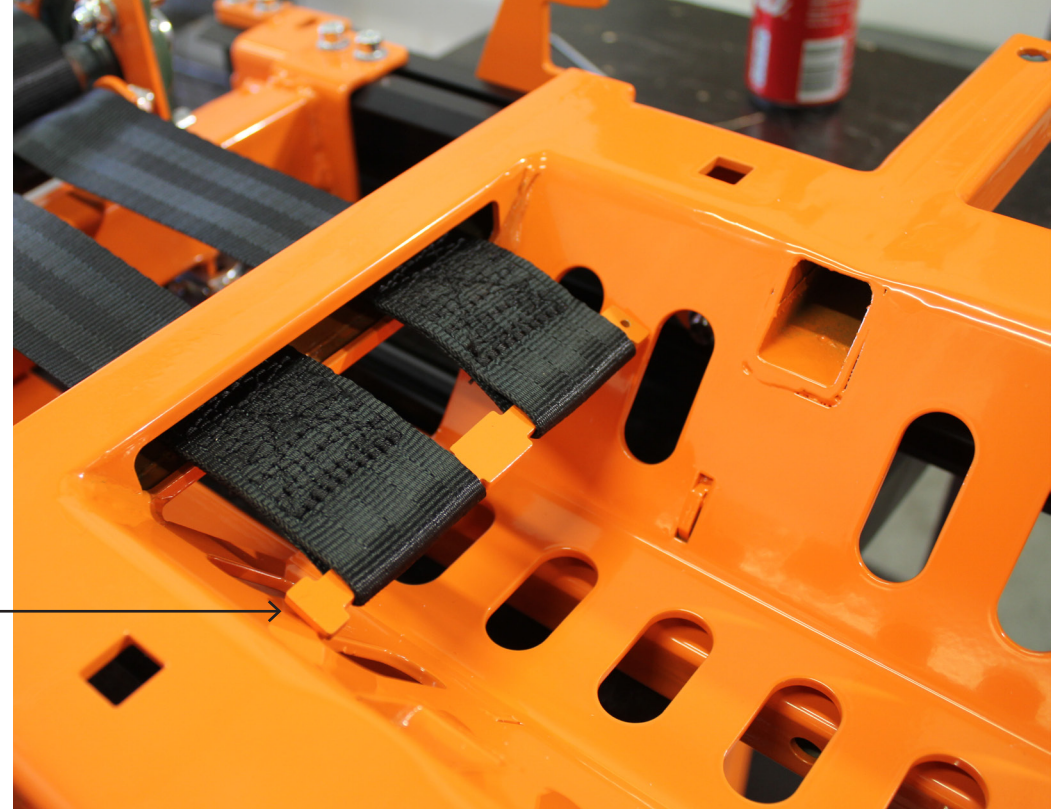
MONTHLY CHECKS/PROFESSIONAL USE

Run the worm drive backwards until the strap attach points are visible on both the wheel chock and the drive shaft.

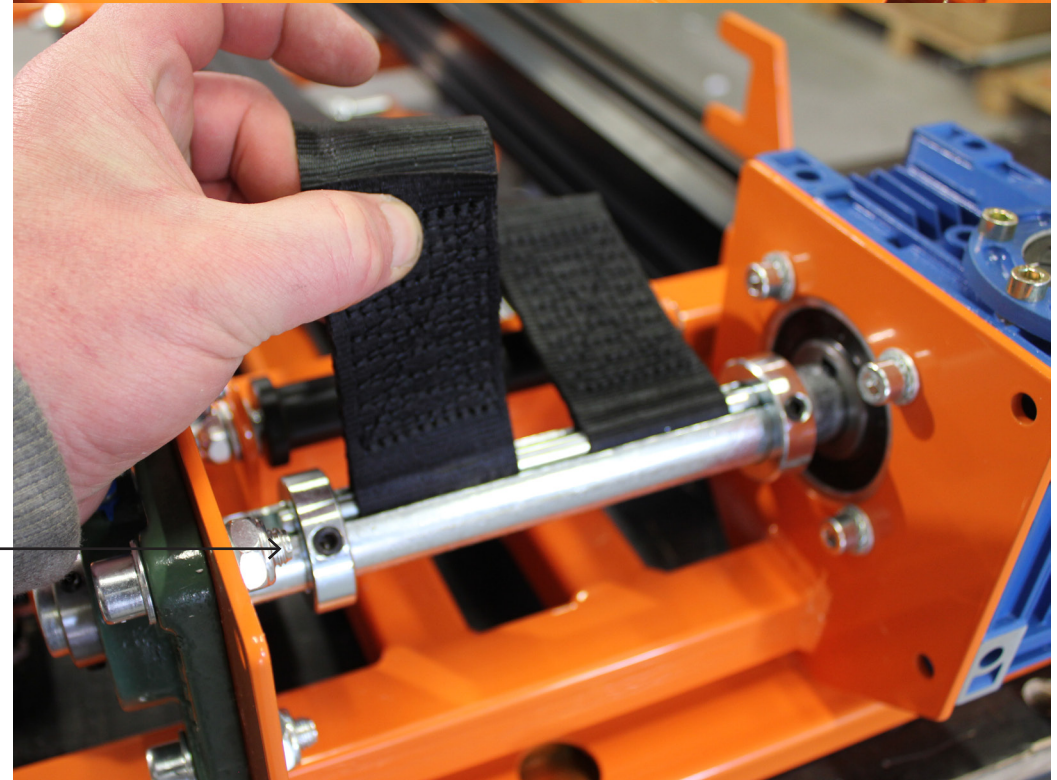
Push the wheel chock back a bit and push the straps out the back slot. Check the straps for wear and cuts around the strap holder plate.

Do the same around the drive shaft attach bar. Straps might look “used” and that is OK. However no cuts and no loose threads are allowed, in neither the strap fabric or the stitching.

STRAP HOLDER PLATE



DRIVE SHAFT



MONTHLY CHECKS/PROFESSIONAL USE

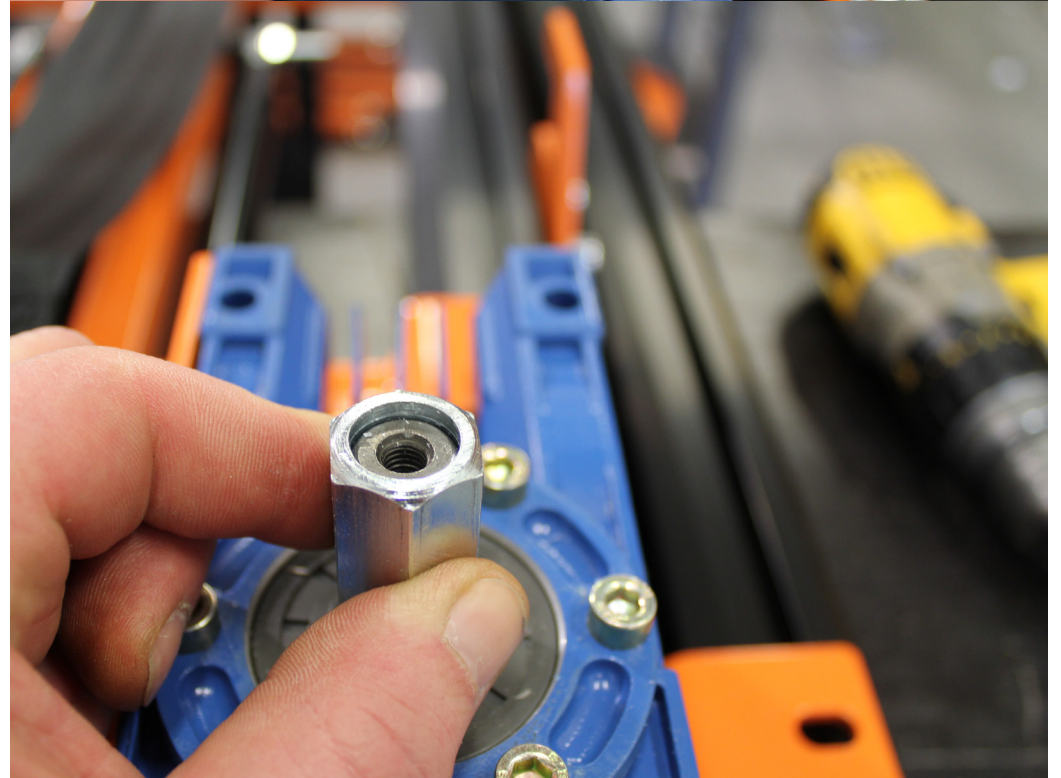
Check the play in the worm drive. To do so, unwind it so the straps hang loose.

Position the drive nut with one of the hex flats parallel to one of the sides of the worm drive (top picture).

Rotate the drive nut by hand and observe when the shaft starts to rotate. It should start to rotate when the first nut edge is perpendicular to the worm drive face you used for lining up the nut (bottom picture).

If the output shaft only rotates when the next flat is parallel to that face, that is acceptable.

However if the drive shaft only rotates at the second flat, the worm drive needs replacement.



OIL CHANGE/PROFESSIONAL USE

There are drain/filler plugs on the front and the back of the worm drive.

Detaching it is quite simple, remove the circlip and the four M8 bolts.

Drain the oil, use a strainer to check for metal bits. If you find metal bits, replace the worm drive.

Use transmission fluid or synthetic motor oil. Fill it up to the drain plug level then seal it off and mount it back on to the ramp.

Do not over-tighten the M8 bolts and replace the sun type spring washers. Once used, these washers need replacing.

