

5.0 Maintenance

It is recommended to set scheduled maintenance with a Trained Service Technician to keep the truck Restraint in good operating condition. Contact your dealer or distributor for a Trained Service Technician. Follow the maintenance procedures below; these are suggested guidelines for maintaining and servicing the Truck Restraint.

Maintenance	Daily	180 Days	360 Days
Cleaning	As required to remove debris around, on or inside the roller track of the truck restraint.	Perform all daily cleaning.	<ol style="list-style-type: none"> 1. Perform all daily and 180-day cleaning. 2. Clean the drive chain with solvent.
Lubrication	Not required	<ol style="list-style-type: none"> 1. Lubricate the drive chain thoroughly with the chain lube. 2. Lubricate the four roller bearings using the grease fittings located on the top and bottom roller shafts. Use a lithium and synthetic oil-based moly grease. 	<ol style="list-style-type: none"> 1. Perform 180-day lubrication. 2. Lubricate the limit switch mounting bracket between the drive sprocket and cam. Use a lithium and synthetic oil-based moly grease.

WARNING

- **Read, understand, and obey** all safety information and operating instructions before servicing the truck restraint.
- **It is recommended to use** a lifting device when lifting the restraint during service or assembly. Failure to do so may result in injury.
- **Barricade** all work areas and post appropriate safety warnings to prevent unauthorized use of the dock leveler.
- **Follow** all electrical Lockout / Tagout procedures.
- **Make sure** the lights return to the proper display. If there is no vehicle present or secured at the dock, the red inside light and green outside light will turn on. If there is a vehicle present or secured at the dock the green inside light and red outside light will turn on.

Maintenance	Daily	180 Days	360 Days
Inspection & Adjustments	<p>Inspect all operating, warning, and caution labels and signs to make sure they are visible. Replace labels and signs as required. See the PARTS LIST for part numbers.</p>	<ol style="list-style-type: none"> 1. Perform all daily inspection and adjustments. 2. Inspect dock bumpers. 4 inches of protection is required. Replace worn, torn, loose or missing bumpers. 3. Inspect the Vehicle Restraint for damage, which may weaken the anchoring strength. Retighten the concrete anchor bolts to 60 ft-lbs if necessary. 4. Inspect the outside electrical connections (junction box, conduit, power harness) and outside communication light. Repair loose or damaged components. 	<ol style="list-style-type: none"> 1. Perform all daily and 180-day inspection and adjustments. 2. Inspect the motor drive chain, and tighten if necessary. See section 5.1 for more information
Operation	<ol style="list-style-type: none"> 1. Check to ensure the truck restraint operates smoothly and the carriage moves up and down. 2. Check that the horn works properly. 3. Check the lights on the control box. The RED or GREEN should be working at all times. Push the buttons on the control box to be certain both lights are working. Replace LED modules as required. See the PARTS LIST for part numbers. 4. Check the outside communication light. The RED or GREEN light should be working at all times. Push the buttons on the control box to be certain both lights are working. Replace LED modules as required. 	<ol style="list-style-type: none"> 1. Perform all daily operational checks. 2. Perform operational test after servicing the Vehicle Restraint. 	<ol style="list-style-type: none"> 1. Perform all daily and 180-day operational checks. 2. Perform operational test after servicing the Vehicle Restraint.

5.1 Adjusting the Chain

DANGER

DO NOT PERFORM ANY ADJUSTMENTS UNLESS YOU ARE A TRAINED SERVICE TECHNICIAN. FAILURE TO ABIDE BY THIS WILL RESULT IN SERIOUS INJURY

1. Remove the motor cover.
2. Check the drive chain slack. Ensure it is not more than 1/4" slack.
3. Loosen the tension screw and four bolts holding the motor.
4. Use the tension screw to adjust the tension of the chain.
5. Recheck the slack in the chain.
6. Reinstall the motor cover.

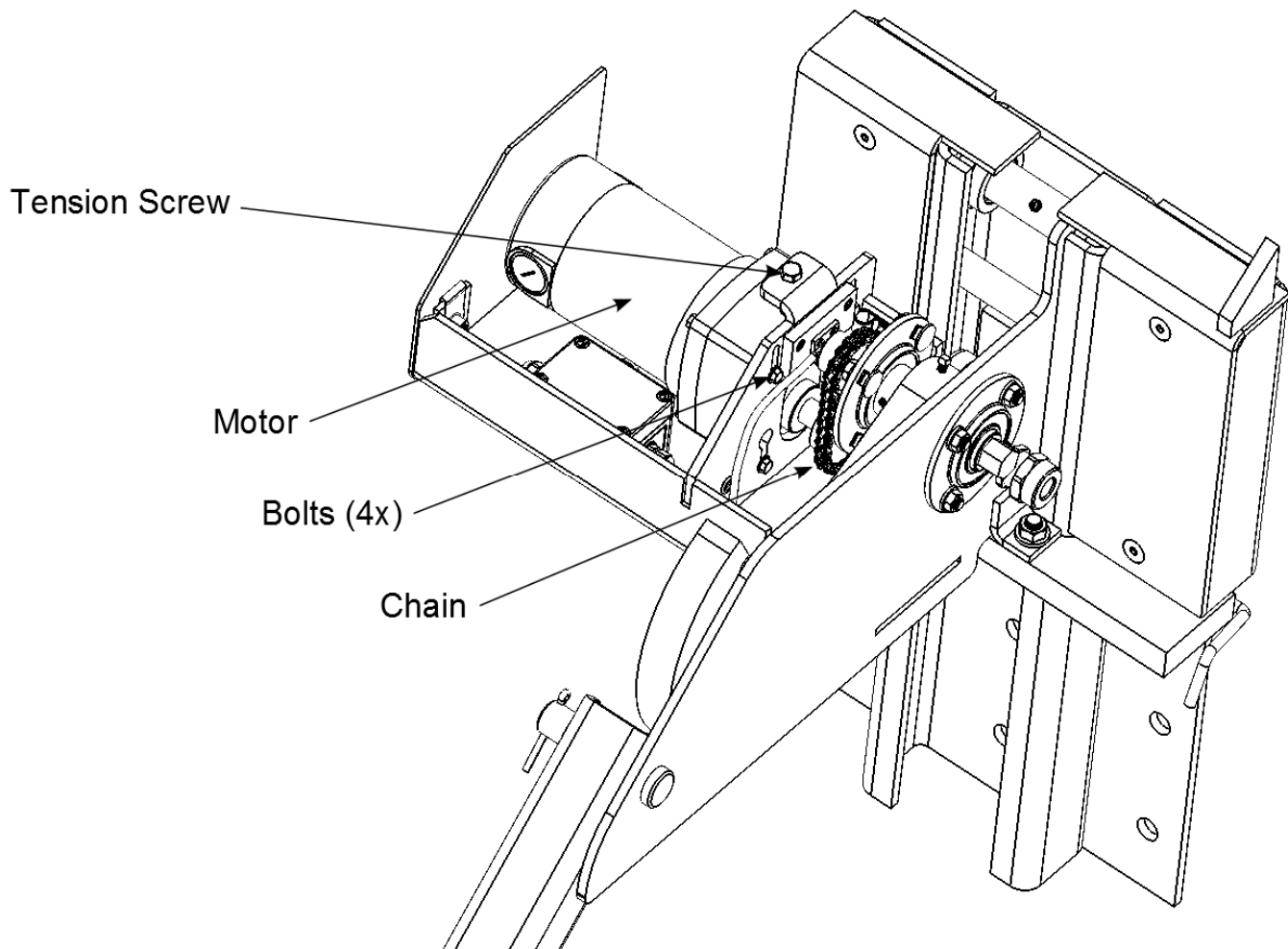


Figure 7: Chain adjustment

5.2 Lubrication and Cleaning

1. Lubricate the drive chain thoroughly with the chain lube.
2. Lubricate the four roller bearings using the grease fittings located on the top and bottom roller shafts. Use a lithium and synthetic oil-based moly grease.
3. Clean the drive chain every 360 days.
4. Clean around the truck restraint daily around, on, under and inside roller tracks

IMPORTANT INFORMATION

ONLY USE lubricants as indicated. Failure to do so may cause operational problems.

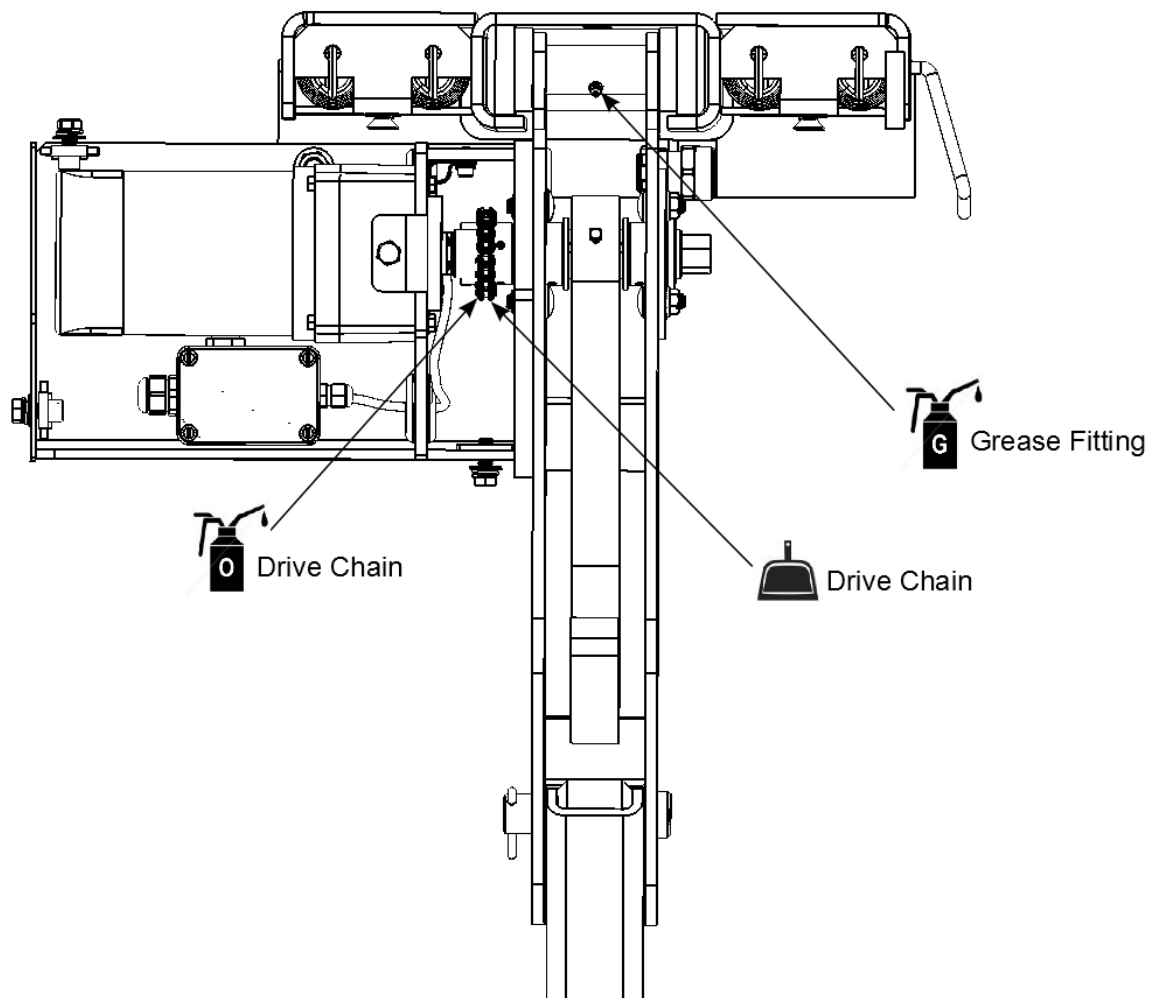


Figure 8: Lubrication and cleaning points (Top View)

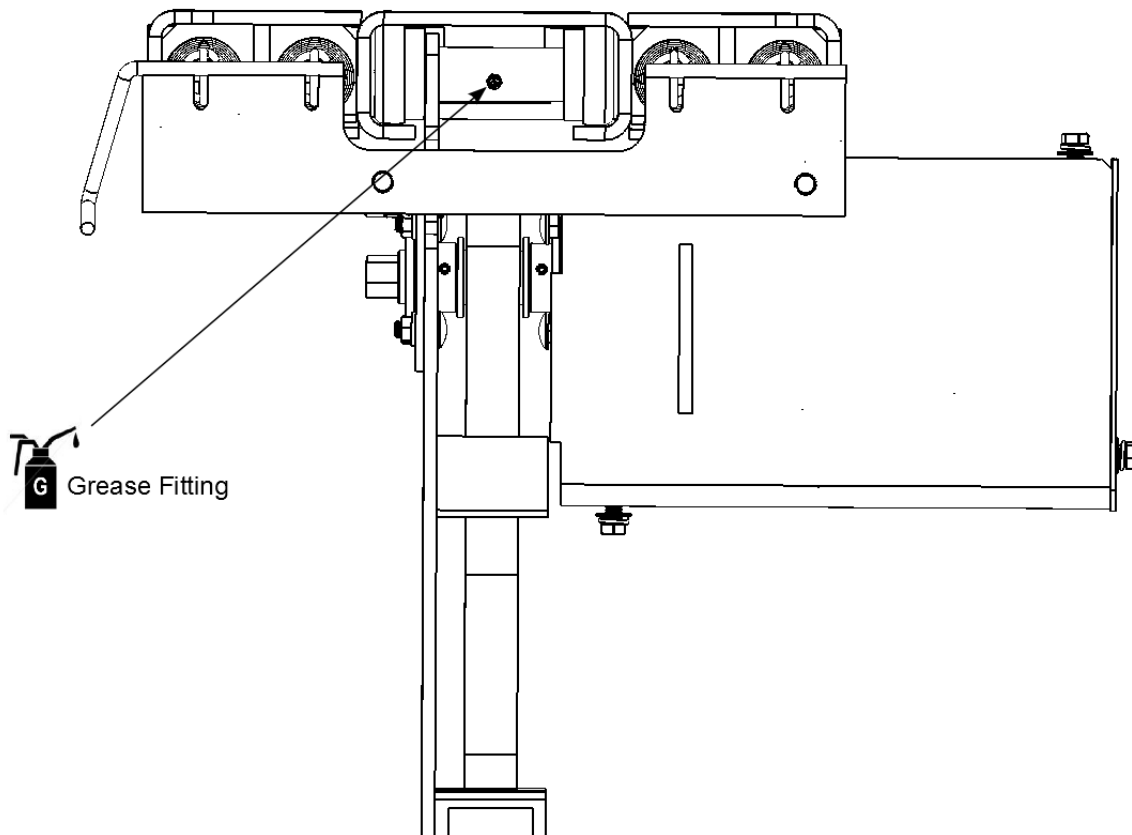


Figure 9: Lubrication point (Bottom View)

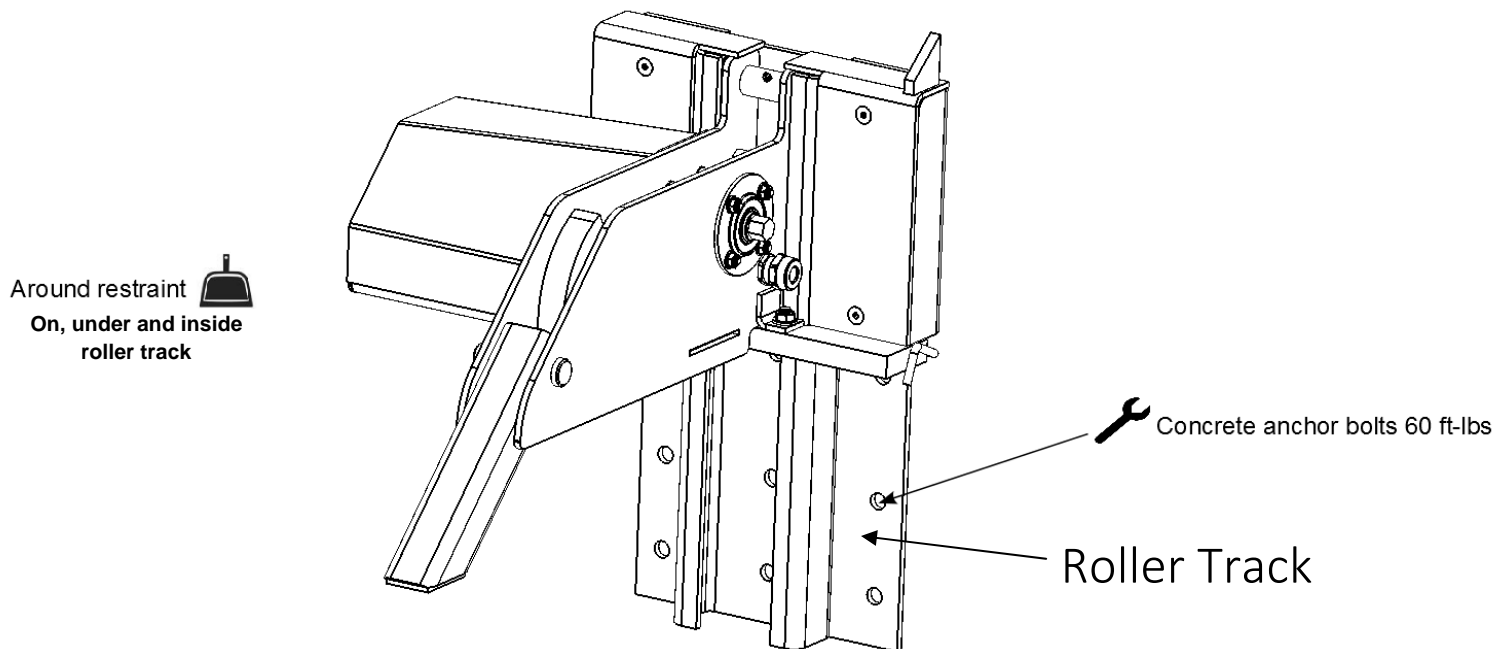


Figure 10: Anchoring and cleaning points on the Roller Track