



4-Post Lift Maintenance

Maintenance Guide

1 Maintenance schedule for the lift

1.1 Daily Inspections

Vehicle lifts should undergo a daily visual inspection by the operator to ensure their serviceability. If used less frequently inspections should be carried out prior to starting work. Inspections should include the following:

- Steel wire ropes and lifting chains for damage, corrosion or lack of adjustment
- Hydraulic equipment and connections for leaks
- Support pads, adapters or blocks for war or damage
- Arm locking, automatic chocks and height limit devices for correct operation

1.2 Monthly Service

Vehicle lifts should also undergo monthly inspection/maintenance during which:

- Steel wire ropes, lifting chains, carriage rollers and pulley pins are lubricated
- The security of all foundation anchor is checked
- Any screw and nut lubrication systems are topped up with the correct lubricant

1.3 Six Monthly Service

Vehicle lifts should also undergo 6 monthly inspection/maintenance during which:

- The condition of steel wire ropes and pulleys is checked. Check the ropes for flattening, corrosion or broken wires
- The condition of lifting chains and pulleys for wear, corrosion or damage is checked
- The Hydraulic oil level is checked/topped up
- The operation of limit switches and other travel limit devices are checked
- The electrical equipment and wiring is checked for burnt or loose connections and terminations
- The operation of lifting arm locking devices and telescopic arm stops is checked
- Welds and load bearing or structural components are checked for cracks or damage
- Drive chains, sprockets and bearings are lubricated
- All bearings, pivot pins and other moving parts are lubricated
- Tightness of all nuts and bolts is checked
- Load nuts, safety nuts and lifting screws are checked for wear or damage
- Lift is inspected for signs of corrosion

2 Play detectors

The play detector will require cleaning above and below the sliding plates, to ensure continued optimum performance, it is necessary to inspect and clean the surface below the sliding plate every 6 months.

- Undo the 4 screws attaching the play detector to the main lift platforms.
- Undo the 4 screws on sliding rollers inside the transversal guides. (Rollers are now free to be removed as well as the sliding plate)
- Remove the sliding plate and clean the surface, take care of support face of plastic pads which work on the sliding plate. Remove any dust or other debris which could scratch the plastic pads.
- Clean the transversal guide rollers, remove any old grease or dust.
- Grease the dismounted part as little as you can (grease is able to capture dust or other hard parts which could damage plastic pads and rollers).
- Re mount the sliding plate, re mount the sliding plastic rollers, and fix with 4 screws and washers. Reassemble the plate into the main lift recess, tighten the last 4 screws underneath the main lifting platform.
- Check that other electrical and mechanical parts are in good condition, clean and suitably greased.
- Check that the paint is in good condition and that there is no rust (treat if necessary)

CONTROLS AND CALIBRATION

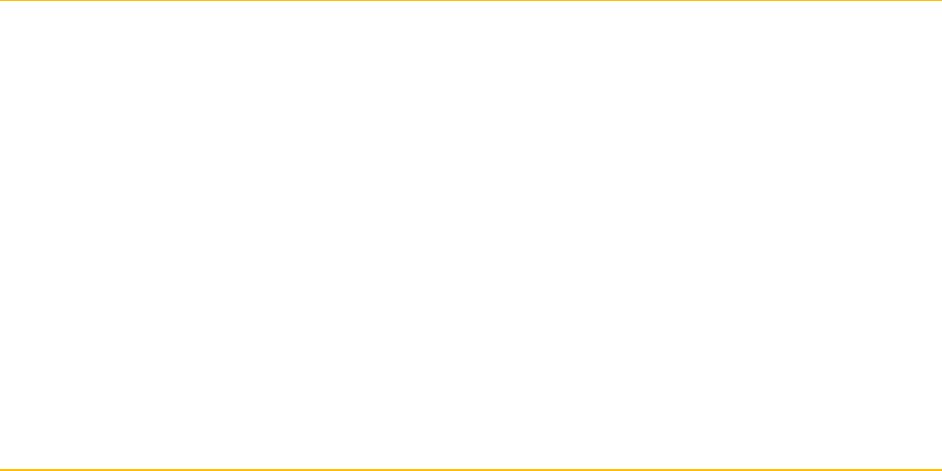
The following checks must be made during the lift maintenance visits:

- Check the solenoid connectors are securely attached.
- Check all hydraulic connections.
- Verify if the centered position of each sliding plate DX (RIGHT) and SX (LEFT) is maintained with both push buttons.
- Check that all other internal electric connections are secured correctly.

Note: DISPOSE OF USED OILS AND LUBRICANTS IN ACCORDANCE WITH LOCAL REGULATIONS

Used oil drained from the reservoir of the hydraulic power unit during an oil change is to be treated as a pollutant in accordance with the legislation in force in the country where the lift is installed.

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