



Scissor Lift

Regular Maintenance Guide

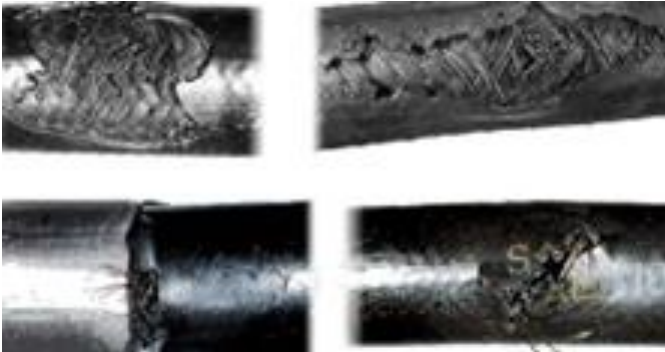
1 Maintenance Schedule for the Lift

- Always isolate the power supply before beginning any maintenance work
- Secure and lock the main switch, then secure the danger area around the automotive lift and secure the lift against unintentional lowering
- Remove any sand or dirt from the piston-rods
- Grease the piston rods with approx. 5g of refrigeration oil (Example: S2 DIN51503)
- Clean and check the stripper of the guidance-piston.
- Grease the lubricate nipples with a multipurpose grease. (Example: Agip Top 2000)



- Clean and lubricate the moving parts of the lift (hinge bolts, sliding pieces, and sliding surfaces) grease with a multipurpose grease. (Example: Agip Top 2000)
- Check the hydraulic pipes for leakage.

Below are four examples of damaged hoses:



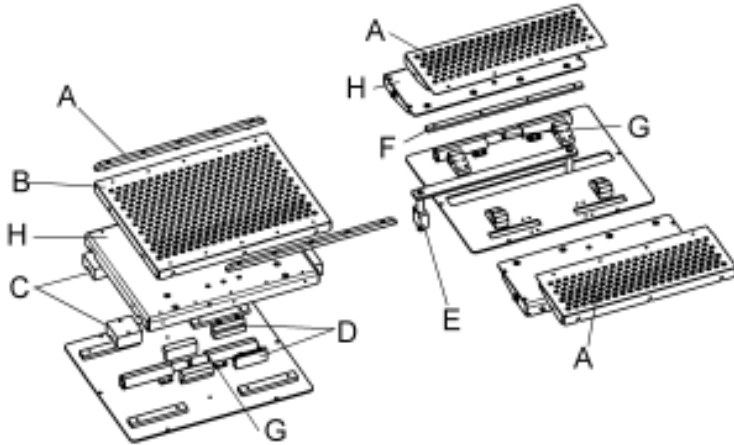
- Check the oil level
- Fill the tank with clean, high quality ISO 32 hydraulic oil

2 Maintenance Schedule for the Play Detector

To be carried out at least once in a period of twelve months.

- Before beginning any maintenance work isolate the power supply
- Secure the main switch (lock it)
- Secure the danger area around the lift and secure it against unintentional lowering.

Ensure suitable eye protection is worn during this procedure.



A - Clean the position assistance and examine it for damages

B - Clean the plate with air pressure and examine it for damages. Afterwards lubricate with multipurpose grease.

C - First remove the plates B, H before cleaning the sliding blocks with air pressure and examine it for damage. After lubricate with multipurpose grease.

D - Clean the plate with compressed air and examine it for damages. Afterwards lubricate with multipurpose grease.

E - Check the easy-running of the lifting device.

F - Clean the plate with air pressure and examine it for damages. Do not lubricate this sliding block, otherwise the dirt remains hanging on it

G - Clean the piston-rods using compressed air.

- Check the hydraulic tubes for leakage.
- Check the function of the play detector with the hand lamp/remote control

3 Regular Cleaning

A regular and appropriate maintenance practice will aid the preservation of the lift.

No guarantees can be given when damage (eg: rust or fading colour) is the direct result of poor maintenance and cleaning practice.

Regular cleaning of all kinds of dirt is the best protection against wear and the formation of rust and will prolong the life of the lift - Dirty deposits that can cause rust include:

- De-icing salt
- Sand, pebble stone, natural soil
- All types of industrial dust
- Water; also in connection with other environmental influences
- All types of aggressive deposits
- Constant humidity caused by insufficient ventilation

Obviously this is dependent on the type of work being done with the lift, the degree of cleanliness of the workshop and location of the lift. The degree and amount of dirt is dependent on the season, on the weather conditions and the ventilation of the workshop.

During poor conditions, it may be necessary to clean the lift once a week, but cleaning once a month will suffice.

- Clean the lift and the floor with a non-aggressive and non-abrasive detergent
- Use a gentle detergent to clean the parts
- Use standard washing-up liquid and lukewarm water
- Do not use steam jet cleaners
- Remove all dirt carefully with a sponge or if necessary with a brush.
- Ensure that no washing-up liquid is left on the lift after cleaning.
- Do not use aggressive means for cleaning the workshop floor and the automotive lift.
- Permanent contact with any kind of liquid is not allowed.
- Do not use high pressure devices for cleaning the lift.

4 Life Time of the Hydraulic Hoses and Oil

- The life of the hydraulic hose lines should not exceed six years, including a storage time of at the most two years.
- The hydraulic oil has to be changed at least once a year.

To change the oil:

- Lower the lift into its lowest position
- Empty all tanks and refill with clean oil (ISO 32) approx. 14 Litres.
- After filling, the hydraulic oil must be between the upper and lower markings of the oil level gauge.
- Remove the old oil according to the appropriate regulations.

5 Corrosion Prevention

Crypton lifts are powder coated for durability, the powder coating is a type of coating that is applied as a free-flowing, dry powder and cured under heat to form an extremely hard surface.

All lifts, especially those that are installed in a pit are susceptible to corrosion from water, salt and other corrosive liquids accumulating as they fall from a vehicle. Over a short period of time this can affect the surface of the powder coating causing corrosion. There is more risk of this happening in areas where there is metal to metal contact such as the flaps which come into contact with the platform (or ground) when they are driven over. Unfortunately powder coating is not completely resistant to salt, water, or corrosive liquids.

Instruction on how to treat any forming rust is explained in the Crypton user manual.

Damage to external surfaces, must be **immediately** repaired. Wiping down the lift is not enough to keep corrosion at bay on any lift no matter the paint or coating type. If these repairs are not made immediately, permanent damage to the powder-coated surface may result. Repair and clean damaged areas with an abrasive paper (grain 120). After this is complete, use a suitable paint observing the number RAL7016.

Check the zinc surfaces and repair, use abrasive paper (grain 280). White rust can result from moisture lying in certain areas for periods of time. Poor aerating can also result in rust formation. Rust may result from mechanical damage, wear, aggressive sediments (de-icing salt, liquids) or insufficient cleaning.

Below are four examples of lift corrosion



- Check all welded joints for cracks
- If any cracks are found on the lift cease use immediately
- Switch-off and secure the main switch (lock) and call your service provider
- Check all surfaces and repair if necessary, see corrosion prevention
- Check all the safety devices of the lift (ratchet, the CE-Stop, etc.)
- Check the electric cable and channels for damage
- Check all the covers for damage



With all the quality, service and backup you would expect from a UK company with a long standing history like
Crypton.