Safety decals maintenance

● = check and maintenance; ■ = operator check; x = replacement	Maintenance intervals			
Operation description	Every 8 hours, 1 day	Every 1000 hours, 1 year	Every 3000 hours, 2 years	Every 5000 hours, 3 years
Check safety labels and decals	■	●		
Clean safety labels and decals	■	●		

WARNING

If labels that have warnings or instructions are damaged, they must be replaced immediately.

CHECK CONDITIONS AND CLEANING OF LABELS AND DECALS

Check that all safety labels are installed in the correct locations on the lift truck. Make sure that all labels are not damaged and that they can be read. If necessary, see the Parts Manual for your lift truck for the correct location of the labels.

Safety labels are installed on the lift truck to give information about possible hazards. It is important that all safety labels are installed on the lift truck and can be read. See the Parts Manual for label placement for your lift truck.

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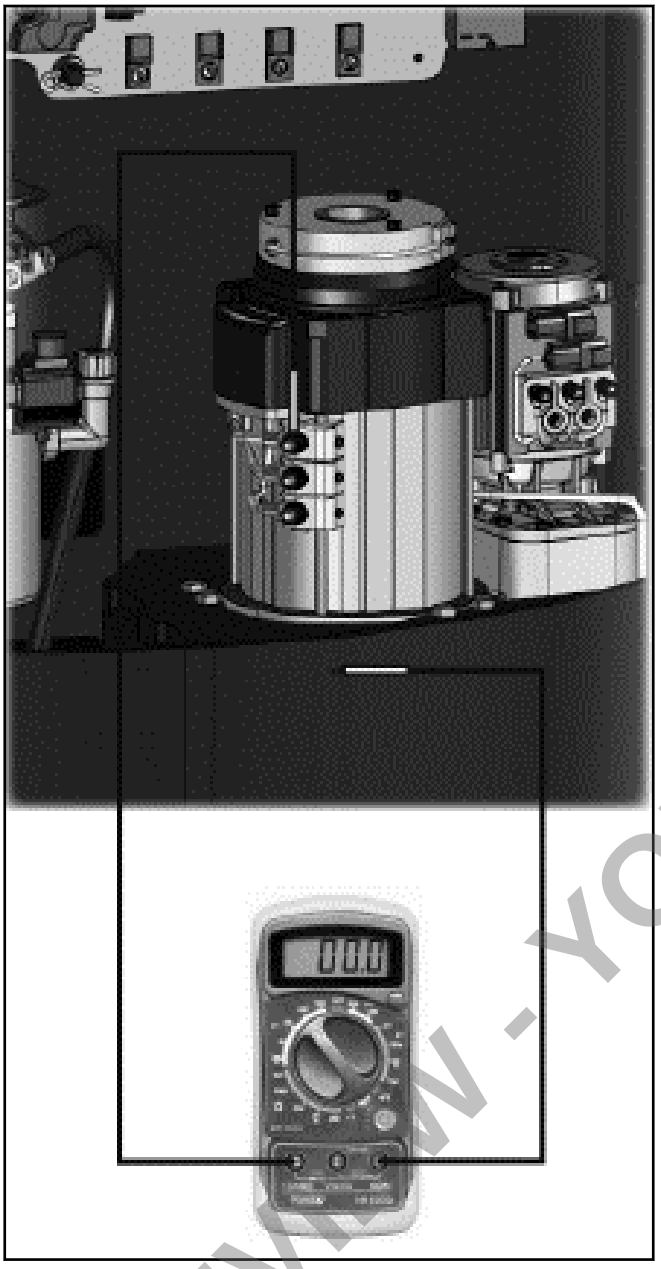


Figure 1.

CABLE AND FIXING NUT CONNECTION CHECK

WARNING

Before starting work, ensure that you are wearing suitable protective clothing. Move the truck to a safe place, away from areas of transit of other vehicles and all pedestrains. Set the key switch to OFF and disconnect the battery

Procedure

Phase 1

Use the Philips screwdriver to unscrew and remove the fastening screws on the motor compartment cover **(ref. A figure 2.)**.

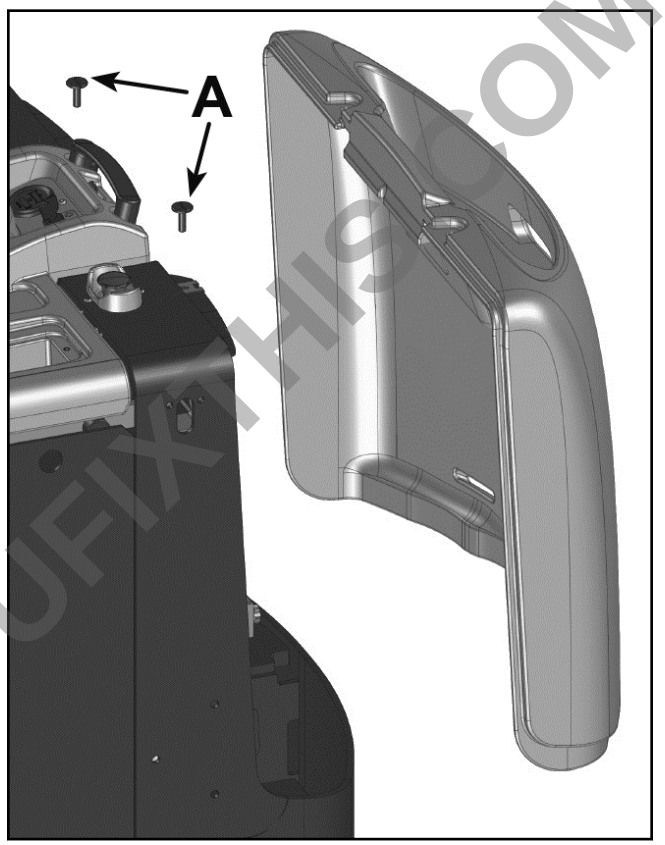


Figure 2.

Phase 2

By using the proper tool, check the nuts securing the traction motor power supply cables **(ref. B figure 3.)** .

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Frame maintenance

● = check and maintenance; ■ = operator check; x = replacement	Maintenance Intervals			
Operation description	Every 8 hours, 1 day	Every 1000 hours, 1 year	Every 3000 hours, 2 years	Every 5000 hours, 3 years
Check the tightening of the screws and bolts		●		
Welding check				●
General cleaning				●

CHECK THE TIGHTENING OF THE SCREWS AND BOLTS

Check the screws and the bolts are well tightened.

WELDING CHECK

Visually inspect the weldings. Check they have no signs of wear or break.

GENERAL CLEANING

Use dry air, cloths moistened with water, or degreasing cleaning products.

CAUTION

Do not use water jets, vapours, solvents or flammable products that may damage the truck or that can be dangerous for the operator.

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CAUTION

Do not permit dirt to enter the hydraulic system when oil is added.

NOTE: There is no filter on this hydraulic system. There is a screen on the pump inlet. This screen must be cleaned each time the tank is removed for repairs.

CAUTION

Never operate the pump without oil in the hydraulic system. Operation of the hydraulic pump without oil will damage it.

WARNING

DO NOT try to locate hydraulic leaks by putting hands on pressurized hydraulic lines. Hydraulic oil can be injected into the body by pressure.

CHECK FLEXIBLE PIPE CONDITIONS

Visually inspect the condition of the pipes and hoses. Check for damaged or loose compenents and verify they have no wigns of wear.

REPLACE TANK OIL AND OIL FILTER

WARNING

Before starting work, ensure that you are wearing suitable protective clothing. Move the truck to a safe place, away from areas of transit of other vehicles and pedestrians. Lower the forks to the ground, turn the keyswitch to OFF and disconnect the battery.

WARNING

The hydraulic fluid gets very hot during system operation and can cause burns. It is advisable to wear gloves that are resistant to oil and high temperatures.

Procedure

Phase 1

Use the Philips screwdriver to unscrew and remove the fastening screws on the motor compartment cover **(ref.A fig.6.)**. Remove the cover.

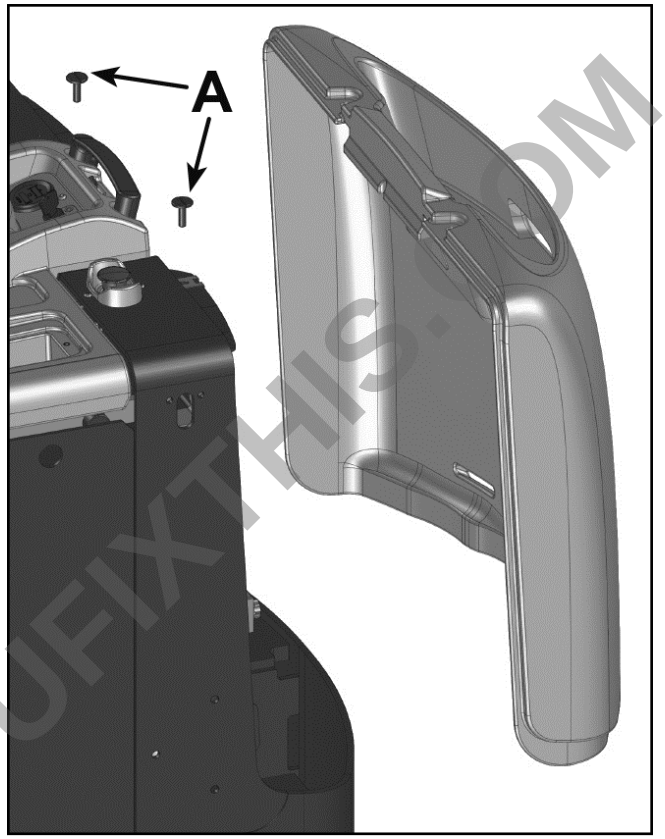


Figure 6.

Phase 2

Remove the lift pump.

Phase 3

Wear the oil resistant gloves. Unscrew the pin fastening screws using the torx key **(ref.B fig.7)**. Remove the tank and and discharge the oil completely.

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Motor maintenance

● = check and maintenance, ■ = operator check, x = replacement	Maintenance intervals			
Operation description	Every 8 hours, 1 years	Every 1000, hours 1 years	Every 3000, hours 2 years	Every 5000, hours 3 years
Motor insulation check		●		
Cable connection check		●		
Fixing nut connection check		●		
Bearing noise check		●		
General cleaning		●		

MOTOR INSULATION CHECK

WARNING

Before starting work, ensure that you are wearing suitable protective clothing. Move the truck to a safe place, away from areas of transit of other vehicles and all pedestrains. Set the key switch to OFF and disconnect the battery

To measure the motor insulation resistance, disconnect the phase wires **(U, V, W)** . Connect one of the tester probes to the U phase and the other probe to the bodywork in an unpainted zone. The resistance reading **(Ω)** on the tester should be infinity **(~)**. Otherwise, the motor is not insulated and must be replaced immediately. Repeat the operation with the other two phases (V, W). **(figure 1.)**

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the adjustment assemblies underneath visible). Remove the plate.

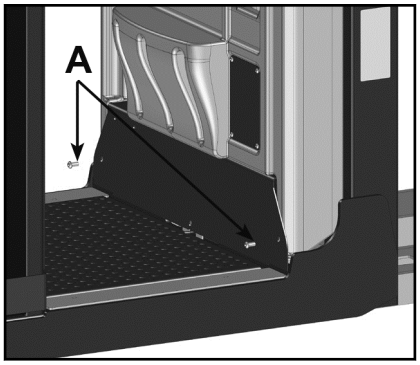


Figure 12.

Phase 2

Set the truck on a perfectly flat base plate so that, after adjustment, all the support points (wheels) adhere completely to the floor. Using the socket wrench loosen the ferrule locking the adjustment pin **(ref.B figure 13.)**. Using the open ended spanner, screw or unscrew the adjustment pin **(ref.C figure 13.)** to obtain the desired distance. Having adjusted the tie rods, use the socket wrench to tighten the adjustment pin locking ferrule.

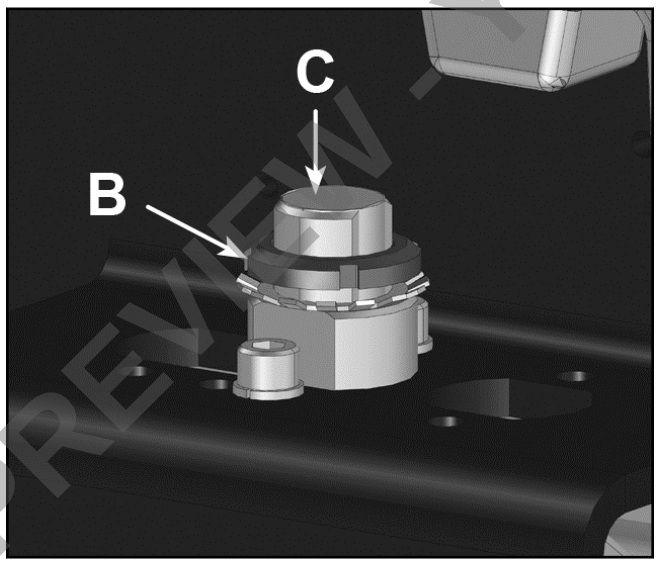


Figure 13.

LUBRICATION OF LINKAGE AND LEVERS PINS

By using a grease gun lubricate the parts shown in the figure 14.

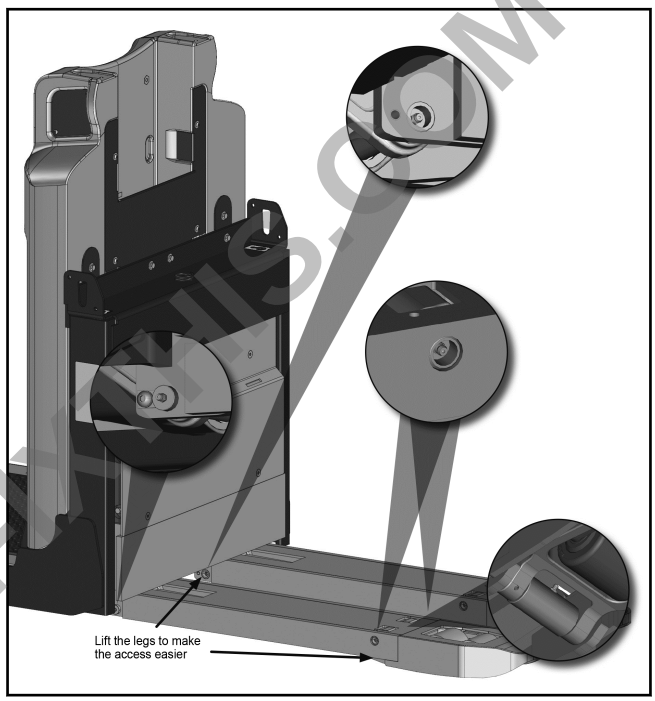


Figure 14.

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This section is for the following models:

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SAFETY PRECAUTIONS MAINTENANCE AND REPAIR

- When lifting parts or assemblies, make sure all slings, chains, or cables are correctly fastened, and that the load being lifted is balanced. Make sure the crane, cables, and chains have the capacity to support the weight of the load.
- Do not lift heavy parts by hand, use a lifting mechanism.
- Wear safety glasses.
- DISCONNECT THE BATTERY CONNECTOR before doing any maintenance or repair on electric lift trucks. Disconnect the battery ground cable on internal combustion lift trucks.
- Keep the unit clean and the working area clean and orderly.
- Use the correct tools for the job.
- Keep the tools clean and in good condition.
- Always use **HYSTER®APPROVED** parts when making repairs. Replacement parts must meet or exceed the specifications of the original equipment manufacturer.
- Make sure all nuts, bolts, snap rings, and other fastening devices are removed before using force to remove parts.
- Always fasten a DO NOT OPERATE tag to the controls of the unit when making repairs, or if the unit needs repairs.
- Be sure to follow the **WARNING** and **CAUTION** notes in the instructions.
- Gasoline, Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Diesel fuel are flammable. Be sure to follow the necessary safety precautions when handling these fuels and when working on these fuel systems.
- Batteries generate flammable gas when they are being charged. Keep fire and sparks away from the area. Make sure the area is well ventilated.

NOTE: The following symbols and words indicate safety information in this manual:



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and property damage. On the lift truck, the WARNING symbol and word are on orange background. The CAUTION symbol and word are on yellow background.

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