



MANUAL

Prins Panther XL-E

TABLE OF CONTENTS

TABLE OF CONTENTS	1
1. INTRODUCTION	2
2. IMPORTANT	3
3. GENERAL SAFETY PROVISIONS.....	4
4. MACHINE AND CONTROLS OVERVIEW	6
4.1 Machine Overview	6
4.2 Overview of controls and instrument cluster	7
4.3 Operation.....	9
4.4 Warning stickers.	13
5. CHECK BEFORE USE	15
6. WEEKLY MAINTENANCE	20
7. CARRY OUT MAINTENANCE YOURSELF.....	21
8. PERIODIC MAINTENANCE	22
8.1 Periodic Replacement/Refresh Table.....	22
8.2 Periodic Maintenance Table	23
9. TECHNICAL DATA	29
10. TIRES AND WHEELS.....	30
10.1 Tire pressure.....	31

1. Introduction

These trucks are all suitable for transporting and storing goods at stations, ports, sites and warehouses. They are used in the food industry, light and textile industry, metal and other factories. If the trucks are equipped with attachments, the application possibilities are endless.

These trucks are not suitable for working in very dusty environments, charged dust particles, high temperatures and in highly corrosive environments. If work is done in a less dusty environment (not conductive), the truck must be cleaned and maintained more often.

By using the Integral Project concept and design ergonomics, these trucks have advanced components such as a low-noise and high-efficiency integral drivetrain, a steering axle with large steering angle, wide mast construction, an integral pressed driver's overhead roof, a sturdy chassis construction, etc. In addition, this series of trucks is equipped with electric motors of an exceptionally high quality such as the battery, the Mosfet control, the large combination display in color, the hydraulic system and the LED lighting to name just a few primary components.

These advanced components ensure superior performance, easy operation, good all-round visibility, reliable brakes, dynamic operation, low noise, no environmental pollution and a beautiful design.

This manual covers the specifications, use, daily maintenance and checks. It helps the driver to use the truck correctly and correctly. It is important to read this manual before the truck is used.

The rules and instructions in this manual must be seriously followed by the user and all persons directly or indirectly involved. In this way, you have optimal fun and the highest efficiency for a long time.

2. Important

This manual contains important information regarding the correct and safe use of your forklift. Always follow the instructions given in this manual.

You will find the symbol below in various places in this manual:



Let op!: Belangrijke informatie.

If you see this symbol, always read carefully what is written next to the symbol before you start the action. This concerns information regarding your personal safety and the safety of others. Always be alert to dangerous situations.



3. GENERAL SAFETY PROVISIONS



When working with and performing maintenance on the forklift, you should always be aware of the dangers that can be involved. Pay close attention to the safety rules. Failure to do so may result in serious bodily injury to you or others.

The manufacturer cannot foresee every unsafe situation. You as a user must therefore also

Ensuring your own and other people's safety during the use and maintenance of the forklift. Always use the tools and products recommended by the manufacturer and use only original parts when repairing.

For your own and others' safety:

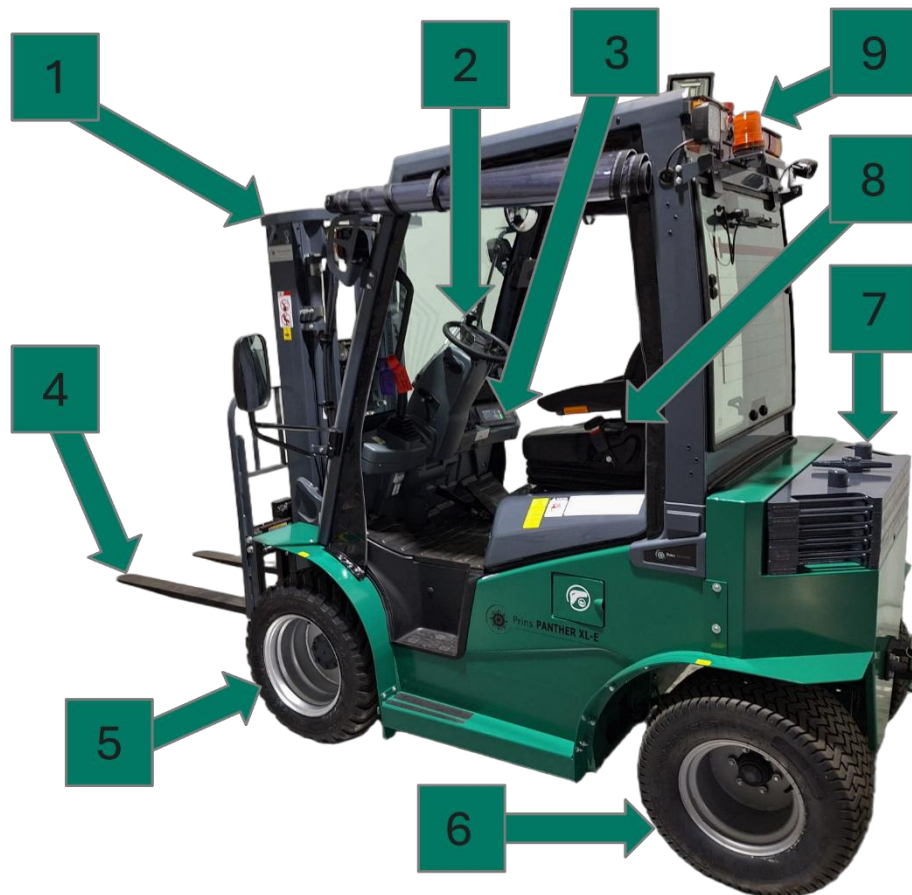
- Never overload the forklift above the maximum permitted lifting weight.
- Pay close attention to the load diagram on the battery cover of your forklift.
- In the unlikely event that you are forced to take the load on one fork, keep in mind that the maximum load is halved. However, try to avoid this as much as possible.
- When driving with a load, keep your speed low (never top speed!) and keep the load as low as possible above the ground. Think of 10 to 20 cm.
- When the load is lifted, keep the speed as low as possible and pay attention to the headroom of the forklift.
- Always carry out the necessary preventive checks on the forklift before working with it. Never start working with the forklift truck until you have fully checked it. This prevents accidents. Pay particular attention to the tires, battery, brakes, steering, and electrical components
- Always remove oil change / top up spilled liquid from the forklift.
- Before changing / topping up, check the machine for oil stains, check where they come from. If they are the result of a technical defect, repair this first before working with the forklift.
- Always apply the handbrake when exiting the forklift.
- An incorrect sitting posture can lead to accidents. Therefore, always adjust the seat in such a way that you can operate all levers properly and that you have a good view.
- Never work with a forklift without a safety cage or roll bar (as supplied as standard).
- Always wear a seat belt when using the forklift.
- Always drive at a speed that gives you good control of the forklift. Speeding can be dangerous. Sudden braking, accelerating or turning can also cause a dangerous situation.

- When working in places with limited clearance height and where you have to drive in and out, keep the following things in mind:
 - Always check that there is enough space next to and above the forklift.
 - Always keep all parts of the body within the safety cage, hands on the handlebars and your feet on the pedals.
 - Be careful where you drive.
- Operate the levers calmly. This significantly extends the lifespan of your forklift and is much safer.
- Never allow people to walk under the forks with load. This is very dangerous.
- Never let anyone ride on the forklift or use the forks to lift anyone.
- Always lower the load slowly and do this with a horizontal fork or with a slightly backward sloping fork. Never do this with a fork that slopes forward.
- The condition of the machine can be checked by numerous factors. Changes in noise, vibration, or reactions to control levers can be indicative of defects or flaws. If you suspect a defect, immediately pull over the forklift and stop the engine. Check the cause and take the necessary measures.

	Volg de aanwijzingen voor gebruik en veiligheid		Draag veiligheidsbril en beschermende kleding
	Roken en open vuur verboden		Elektrolyt is sterk bijtend
	Verbinders onder spanning, vermijd contact		Ruimten waar batterijen staan of geladen worden, moeten voldoende worden geventileerd
	Explosiegevaar, kortsluiting vermijden		

4. MACHINE AND CONTROLS OVERVIEW

4.1 Machine Overview

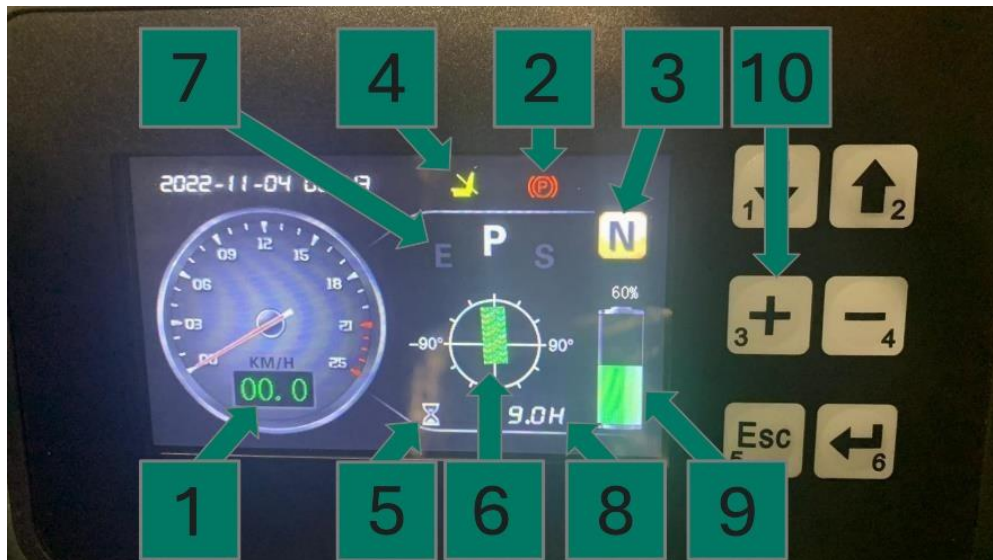


1	Lifting mast
2	Handlebar
3	Display
4	Forks
5	Drive wheels
6	Steering wheels
7	Counterweight
8	Chair
9	Driver protection cage

4.2 Overview of controls and instrument cluster



1	Handlebar
2	Travel direction lever
3	Handbrake
4	Brake fluid reservoir
5	Steering wheel button
6	Lighting switch
7	Ignition switch
8	Valve Levers
9	Travel pedal
10	Brake pedal



1	Current speed
2	Handbrake
3	Position of the direction of travel lever
4	Belt
5	Hour meter runs
6	Vertical position
7	Row setting selection
8	Current hours
9	Battery indication
10	Adjustment knobs

4.3 Operation

Seat switch

A switch is mounted in the seat, which interrupts the driving current of the control and the hydraulics when no one sits on the seat for 1 second.

Adjusting the seat

Lever 1 is for the adjustment of the seat located under the seat. Push the lever to the left and then the seat can be adjusted. Release it and the seat will be locked. The tilt of the seat can be adjusted with lever 2.

The weight setting can be set with lever 3. Pressing down is heavier setting. To get the lighter setting again, press the button all the way down and then release.



Seat belt

Make sure that the seat belt is always fastened correctly when working with a forklift.



The seat belt must always be fastened when the truck is used.



Handlebar adjustment

Turn the lever to the left to adjust the handlebars. Turn the lever to the right to lock the handlebars.



Steering wheel and horn

The steering movements with the steering wheel are transferred to the steering axle by hydraulic means. Turn steering clockwise truck goes right. Turn the steering wheel to the left, the truck goes to the left. The horn cap is located in the middle of the handlebar.



Direction of travel selector

Lever to front truck drives forward.
Lever to rear truck drives backwards.

Ride setting selection (MODE) Rotation positions.

P: Power, powerful and fast
E: Economic, slower and slower
S: (Save) Economical



Handbrake

Lever forward = The handbrake is released

Lever backwards = Is the handbrake on

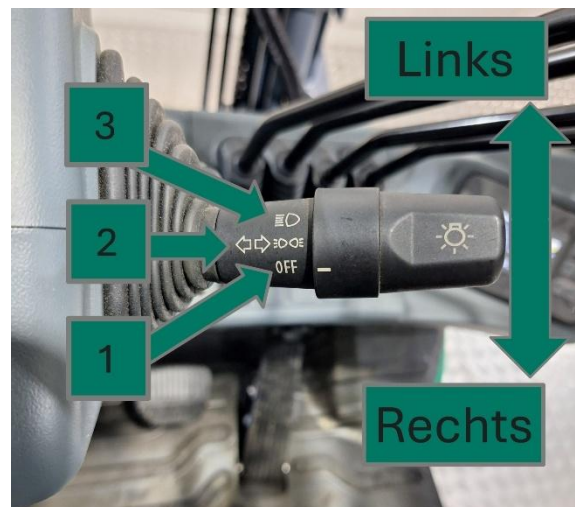
Unlocking = Press the button at the top and move the lever forward.



Turn signal

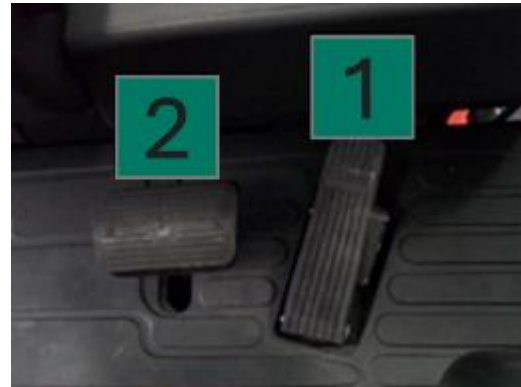
With this switch you can indicate the direction you want to go. The lights flash on the front and rear of the forklift.

- 1 Lights are off.
- 2 Small light is on.
- 3 Work light is on.



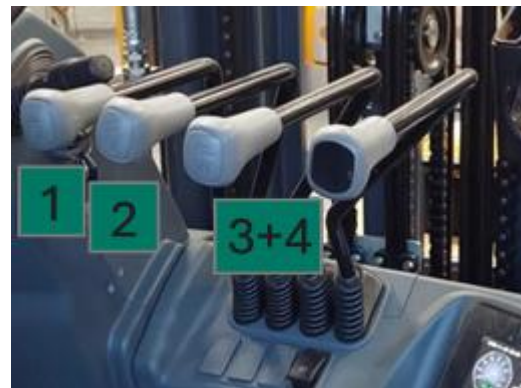
Acceleration pedal and brake pedal

1. Acceleration pedal, when pressed, the truck starts moving, the further you press it, the faster the truck will drive.
2. Brake pedal, when pressed, slows the truck down.



The lever of the control valve is used to put lifting, tilting and accessories into operation. The buttons are marked with symbols that indicate the respective function. You can control the speed by moving the valve levers slightly or far forward or backward.

- 1 Lifting lever
 - When the lever pulls towards you, the carriage rises.
 - When the lever pushes away from you, the carriage goes down.
- 2 Tilt lever
 - When the lever pulls towards you, the mast tends to go backwards.
 - When the lever pushes away from you, the mast tends to feed



3+4 Valve Lever Fittings

Forklifts with hydraulic attachments have one or two additional control levers. These are located to the right of the lift and tilt lever. The operation of these levers depends on the attachment and must be practiced in the presence of a technician from the respective manufacturer. When working attachments, always take into account the load capacity indicated on the additional rating plate. Carefully read the operating instructions for the attachment in question.

Battery cover lock.

To open the battery compartment, pull the locking lever upwards and open the battery cover. Make sure that the bonnet is pressed firmly so that the lock engages



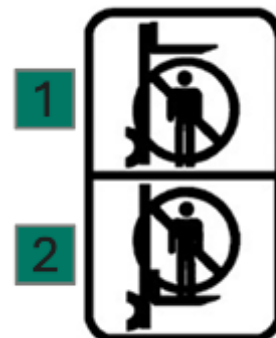
4.4 Warning stickers.

Various warning stickers have been applied to your forklift. Make sure these signs are always clearly visible.
Defective, illegible or missing warning stickers should be replaced immediately.

It is forbidden to be in the vicinity of the lifting device.

This warning sign is located on the sides of the linkage and has two meanings:

1. No persons should be under the forks or pass under them.
2. No persons may be lifted or transported with the forklift.



Crushing and cutting hazard

This sign is attached to the lifting device. It warns of the risk of injury that exists between crossbars, chains, pulleys and other parts of the linkage Crushing and cutting hazard.

This sign is attached to the lifting device. It warns of the risk of injury that exists between crossbars, chains, pulleys and other parts of the linkage



Seat belt warning signs

1. If the forklift ever flips over, don't jump off; You could be fatally hit by the truck. It is safest when you stay in your driver's station and capsize along with the forklift.
2. Always fasten the seat belt.



5. CHECK BEFORE USE

Part	Inspection
Previously observed defects	Correct
Exterior	Bodywork, oil leaks, loose parts and external damage.
Wheels	Tire pressure, wear or damage, rim and lug nuts.
Lamps	Condition of the lamps and damaged lamps.
Hydraulic oil	Oil level, pollution and consistency.
Brake pedal	Pedal play and braking efficiency.
Brake fluid	Fluid level
Parking brake	Operating force and braking efficiency.
Horn	Sound
Instruments	Operation
Loading/Unloading System	Parts, oil leakage, brazing and looseness.
Battery	Dirt on the battery and state plugs

Pre-use checks and weekly inspections are the responsibility of the forklift user.

For safety reasons, always carry out a check before starting work.

Warning!

If any abnormalities are found, if the diagnostic light flashes or if a fault code is shown on the display, you must immediately stop the machine and have the vehicle checked by Prins Maasdijk.

Exterior Inspection

Vehicle stability

Does the vehicle lean very far to the side? If so, check if any of the tires are flat and if there is a problem with the undercarriage

Under the vehicle

Check for oil or water stains on the ground where the vehicle has been parked. Check for loose parts or damage. Contact Prins Maasdijk for an inspection if an abnormality is found

Checking the pneumatic tyres

Make sure the tyres are always at the correct tyre pressure. Low tire pressure ensures that the tire has a shorter lifespan. A difference in the tire pressure left and right makes steering more difficult.

Turn the valve to the left and remove it. Use a tire pressure gauge to check the pressure and set it to the correct value. See the maintenance data for the specified tire pressure.

After checking the tire pressure, make sure that there is no air leaking from the valve. Then tighten the valve back to its original position.

If there is a difference in wear on the front and rear tyres or left and right or if damage or a bent rim is found, you must have the vehicle checked by Prins Maasdijk.



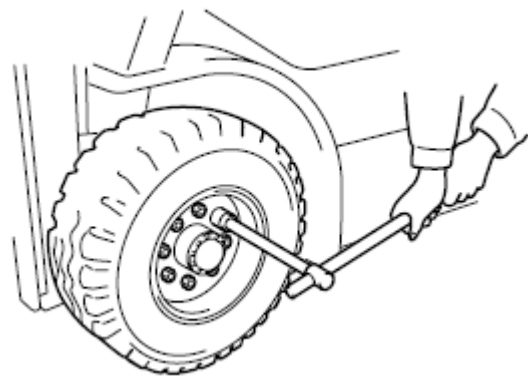
Double air valves

With double air, the valves are in a different place than with single air. With double air, there is an angled valve on the inside of the truck near the inner tube. Sometimes it may be that the tire is in the right position to reach the valve. Then drive the truck forward a little bit and then check if you can reach it.



Checking the lug nuts (inside and out)

Check that the lug nuts are properly tightened.
Tighten all nuts evenly to alternating torques.
See the maintenance records for the correct
Tightening torque



Checking the Lights

Are the wires intact? Is the lens damaged?
Make sure the lenses are always clean so that you have a good view of the front.

(Rearview mirror is optional)



Checking the level of the Hydraulic oil

Always put the fork on the ground before checking the hydraulic oil level:

1. Open the bonnet and remove the oil cap.
2. Wipe the oil dipstick with a clean cloth and put it back in the tank
3. Carefully remove the oil dipstick from the tank and check if there is oil to the top of the oil gauge line.
4. If there is not enough oil in the tank, you will need to top it up. Spilled and splashed oil should be removed thoroughly. Make sure that the oil level falls within the range of 0 to +10 mm on the mark on the oil dipstick



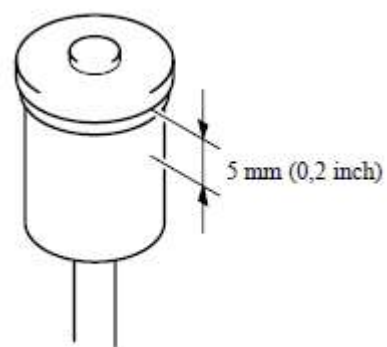
Checking the Brake Fluid

When the engine is switched off, check the level of brake fluid in the reservoir. The level must be within the range shown in the image. If the level is below the lower limit, top up brake fluid to the correct level. If the consumption of brake fluid is extremely high, there may be a leak in the braking system. Contact Prins Maasdijk as soon as possible for an inspection



Warning!

- Never use oil other than brake fluid.
- Do not allow dirt to get into the container. Even a small amount of dirt in the brake fluid can cause problems when braking.
- Regularly check that the small ventilation opening in the reservoir cap is not blocked by dirt.



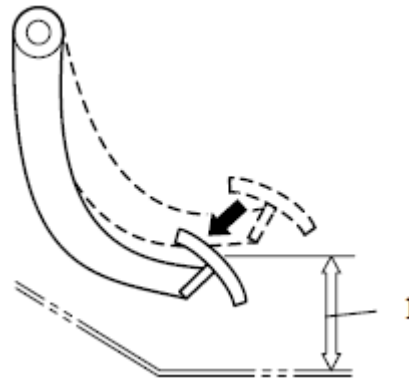
Checking the Brake Pedal

1. Press the brake pedal fully and check that there is still space between the pedal and the floor.
2. Make sure that the pedal does not sink further when you keep it depressed.
3. Also check that there are no deviations when pressing and releasing the pedal.
4. Check the play by pushing the brake pedal down with your hand until you feel resistance.



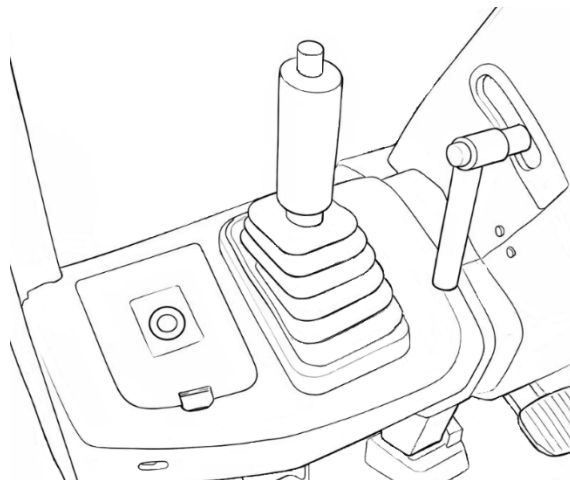
Warning!

Contact your dealer for an inspection if there is too much play, the pedal movement deviates or the brakes do not work properly.



Checking the parking brake

1. Fully apply the parking brake and check that the brake is working normally.
2. Pull the parking brake pedal all the way down, press the parking brake release button and push the lever forward. Check that the parking brake is released.



Warning!

Contact your dealer for an inspection if you notice any abnormality.

Checking the instruments

Start the truck and check that everything is working as it should.

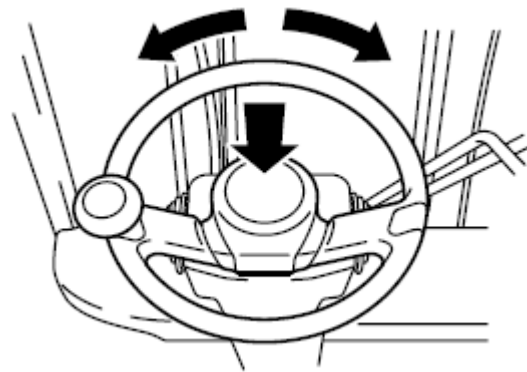
Loading/unloading system

1. Check the fork installation for cracks and bends.
2. Check the mast for deformation, check the chain tension, and check if oil is leaking from the cylinders and pipes.
3. Operate the lift and tilt levers to check their operation. Contact Prins Maasdijk for an inspection if an abnormality is found.



Checking the steering wheel

1. Check the play on the steering wheel with the rear wheel facing straight ahead. See the Maintenance Data section for the standard steering wheel clearance.
2. Rotate the steering wheel and move it up and down to make sure it's secure. Press the horn to check if it sounds normal.
3. Please contact Prins Maasdijk for an inspection if you notice any abnormality.



BEFORE PLACING THE VEHICLE IN THE GARAGE MOVE

Remove any debris from all vehicle parts and then do the following.

1. Check for water or oil leaks.
2. Check each part for warping, scratches, dents, or cracks.
3. Clean the air filter element and lubricate the required parts. Raise the fork all the way up and then lower it to lubricate the inside of the lift cylinder.

Warning!



Even a small deviation can cause a serious accident. Do not use the vehicle until the repair has been carried out. If you have anything to do during use, unusual notices, you should alert your supervisor.

6. WEEKLY MAINTENANCE

Check the points below in addition to the points you check each time before use.
Have any adjustments or replacements carried out by Prins Maasdijk.
Check the vehicle thoroughly so that you can work safely and comfortably.

Points for the weekly check-up (40 hours):	Action:
Nuts and bolts	Retighten
Mast and steering mechanism	Lubrication
Lifting chain	Lubrication
Battery	Cleaning
Tires	Checking tire pressure
Hydraulic hoses and couplings	Checking for damage

Retighten nuts and bolts

Re-tighten every bolt and nut on the chassis and the loading/unloading system.

Lubricate mast and steering mechanism

Lubricate in accordance with the lubrication table.

► **Please note!**

- Clean the lubrication mounting points thoroughly before lubricating.
- Wipe off the excess grease after lubricating.

Lubricate lifting chain

Spray the entire length of the chain with chain spray.

Battery cleaning

Make sure that no dust or dirt builds up on the battery. You can clean these with compressed air or a cleaning cloth.

Checking tire pressure

Check all tires to make sure they are the correct tire pressure.
See Wheels and tires for the correct tire pressure.

Checking hydraulic hoses and couplings

Check that the hydraulic hoses running into the mast are not torn or damaged.

Check the couplings to make sure they don't leak hydraulic oil. If the couplings do leak. Tighten the couplings properly.

If the coupling still continues to leak, contact a service center.

7. CARRY OUT MAINTENANCE YOURSELF

Changing tires

► **Please note!**

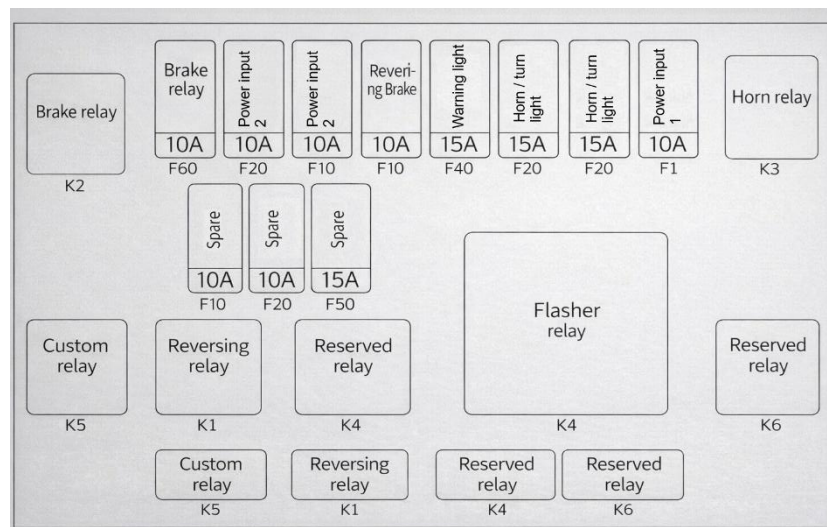
- Observe proper precautions when jacking up the vehicle. Never get under the fork or chassis.
- See the maintenance data for the tightening torque of the wheel nuts and the tire pressure.
- The correct tire pressure is on the tire (with double wheels always the outer wheel 1 bar less). Never exceed the prescribed air pressure.

Fuse replacement

If a lamp is not lit or an electrical appliance is not functioning, the corresponding fuse may have blown.

Check the fuse of each appliance. The fuse box is located on the right side of the battery.

If one has definitely burst, it must be replaced with one of the correct amps. See the diagram on the right for which fuse you need.



8. PERIODIC MAINTENANCE

Periodic inspection and maintenance are necessary to keep your forklift running smoothly. The maintenance should be based on the table below. If a part appears to be worn out before, please contact your forklift centre for an inspection.

8.1 Periodic Replacement/Refresh Table

R	Replace
I	Inspection to check the integrity (deformation, cracking, wear, rust, corrosion, leaking, abnormal noise, etc.) and the working condition (if applicable); repair or replace if necessary.
M	Measurement; repair or adjust if required
C	Cleanliness
L	Lubrication
T	Tightening

REPLACEMENT CYCLE Based on the total number of operating hours or months that have elapsed during the life of the truck, whichever occurs earlier	Every 12 months	every 60 months
	Every 2,000 operating hours	every 10,000 operating hours
Oil drive unit	R	
Hydraulic oil	R	
Hydraulic oil filter(s)	R	
Hydraulic Oil Tank Cap Vent Filter	R	
Oil / brake fluid	R	
Thermoconductive pasta control unit		R*4
Silicone Paste Pump Coupling		R*4
Power steering rubber parts		R*4
Service brake and parking brake hoses		R*4
Hose steering system		R*4
Hydraulic Hoses Tilt Cylinder		R*4
Hoses of loading/unloading system		R*4

*4: Replace without reservation according to the specified interval in the case of severe operating conditions. Under normal operating conditions, the Service Center determines whether parts need to be replaced or not. If replacement is not deemed necessary, make sure you inspect the affected part at the next periodic maintenance.

The definition of "severe operating conditions" is as follows:

- Long-term harsh operating conditions (e.g. multiple shifts in a row or continuous operation)
- High-temperature areas (e.g., steel mills or foundries)
- Use at low temperatures (e.g. use in cold stores)
- Environments with sudden temperature changes (e.g. between cold rooms and normal room temperature and environments with furnaces and blast furnaces)
- Dusty and sandy environments (e.g. cement plants, sawmills or mills, environments where coal dust or crushed stone is present)
- Corrosive chemical atmospheres (e.g. fish, meat and poultry processing plants, tanneries, chlorine and salty air environments)
- Very humid conditions, wet, humid, water

8.2 Periodic Maintenance Table

MAINTENANCE CYCLE	First 6 weeks	Every 6 months	Every 12 months
Based on the total number of operating hours or months that have elapsed during the life of the truck, whichever occurs earlier	First 250 operating hours	every 1000 operating hours	Every 2000 operating hours
Drive system			
Wheels			
General condition of tyres		I	←
Belt treads	I, C, M	I, C, M	←
Wheel disc and rim integrity	I	I	←
Lug nuts	T	T	←
Front and rear wheel bearings			L
Tire pressure of pneumatic tires	M	M	←
Rear axle			
General condition, cracking and deformation of the shaft		I	←
Wheel hub clearance	I	I	←
Mechanical limit stop		I	←
POWER TRANSMISSION SYSTEM			
Drive unit			
General condition		I, C	←
Bolts		T	←

Air vent		I	←
Oil level and conditions		I, M	←
ELECTRICAL SYSTEM			
General information			
Insulation resistance of the truck			M*1
Antistatic belt (option)		I	←
Engine			
General condition and operating conditions		I, C	←
Tightening drive motor bolts		T	←
Power cables		T	←
Battery			
Upper part		I	←
Housing		I	←
Connection		I, C	←
Clamps		I, C	←
Power cables		I	←
Insulation resistance			M*1
Charge level		M	←
Contactor			
Contacts		I, C, T	←
Securing to the Supports Power Wire Main Power Circuit		I, T	←
Securing to the ignition coil fasteners		T	←
Connected cables		T	←
Microswitch – potentiometers			
Installation		I	I, T
Operating conditions		I	←
Travel direction switch			
Integrity and operating condition		I	←
Cable Connections			I
Electronic control unit			
General condition		I, C	←
Housing		C	←
Power cables		T	←
Cable Connections		I	←
Plugs		I	←
Logbook alarms		I	←
Fuses and relays			

Electrical wiring		I	←
All functions protected by fuses and relays			I
Electrical wiring			
Cabling		I	←
Connections		I	←
Tape attachment connections		I	←
STEERING SYSTEM			
Steering wheel			
Slack	I, T	I, T	←
Steering system			
Steering angle			I
Lower turntable and crown steering shaft		L	←
Power steering - Electric steering			
General conditions and turning of the steering wheel		I	←
Couplings and connections	I	I	←
Cabling			I
BRAKING SYSTEM			
General information			
General condition		I	←
Venting		I	←
Brake fluid / oil level		M	←
Low level warning light			I
Snakes			I
Brake pedal			
Links	I	I	←
Stroke, return stroke and backlash		I	←
Braking effect		I	←
Parking brake			
Switch		I	←
Conditions and spacing of magnetic discs		C	←
Braking effect		I	←
LOADING/UNLOADING SYSTEM			
Forks			
General condition		I	←
Heels		I	←

Welded parts		I	←
Fork arm alignment		I	←
Locking pins		I, L	←
Lifting support and mast			
Conductors	I, L	I, L	←
Plates	I, L	I, L	←
Grease Fittings	I, I	I, L	←
Roller and roller pin	I	I	←
General condition sideshift	I	I	←
Grease fittings side shift	L	L	←
Support bushings	I, L	I, L	←
Fork truck	I	I	←
Welded parts		I	←
Mounting bolts	I	I, T	←
Chain			
General condition, tension, strain	I, L	I, L	←
Condition and rotation pulley	I	I	←
Tie rod fuse	I, L	I, L	←
Anchoring bolts and nuts	I, L, T	I, L, T	←
Attachments (option)			
General condition and installation		I, L	←
HYDRAULIC SYSTEM			
Cylinders			
General condition		I	←
Cylinder rods and rod end		I, T	←
Attachment to the tilt cylinder supports		I, T	←
Attachment to the mast cylinder supports		I, T	←
Natural Drop and Natural Forward Inclination		I	←
Lifting and lowering speed		I	←
Irregular movement		I	←
Hydraulic pump			
General condition		I	←
Oil leakage and abnormal noise		I	←

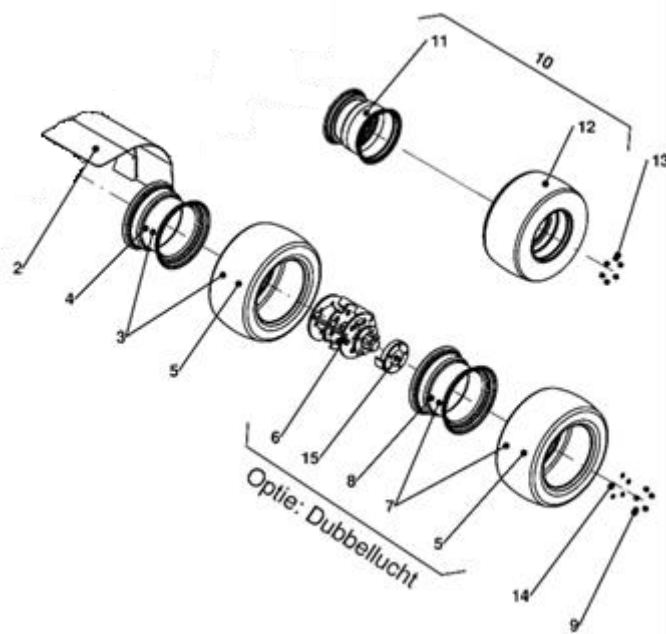
Hydraulic oil tank			
General conditions, oil spills		I	←
Oil level and conditions		I, M	←
Hydraulic oil filter			
General condition		I, C	←
Hydraulic Oil Control Valve			
General conditions, oil spills		I	←
Operation of the flap for tilt lock and bleed flap		I	←
Venting pressure			M
Pipes and hoses			
General conditions, oil leaks, deformation and damage		I	←
Loose connection		T	←
SAFETY DEVICES, etc.			
Chassis			
General condition			I
Mounting bolts (protective cover, battery cover, counterweight)			T
Gas spring hoods, door locks		I	←
Protective cover height			
General condition		I	←
Welded parts		I	←
Vibration dampers (only for floating version)		I	←
Load support (option)			
General condition		I	←
Attachment to the supports		T	←
Chair			
General condition		I	←
Seat belt		I	←
Attachment to the supports		T	←
Emergency stop button			
Operating conditions		I	←
Instruments			
Operating conditions		I	←

Horn			
Operating conditions and attachment to the supports		I	←
Contact ring and contact spring			L
Lighting unit			
Operating conditions and attachment to the supports		I	←
Turn signals (option)			
Operating conditions and attachment to the supports		I	←
Reversing buzzer (option)			
Operating conditions		I	←
Blue warning LED (option)			
Operating conditions		I	←
Rear-view mirrors (option)			
General condition		I, C	←
Cab (optional)			
Roof		I	←
Doors and windows, door joints		I, L	←
Windshield wipers		I	←
Heating		I	←
Heating filter		C	←
Safety fences (option)			
General condition and operating conditions		I	←
Software			
Review and update			I

9. TECHNICAL DATA

Model	Unity		Panther 1.0	Panther 1.2	Panther 1.5	Panther 1.8
Rated lifting capacity	Kg		1000	1200	1500	1800
Load center	Mm		500			
Standard lifting height	Mm	h3	3200			
Mast inclination	Gr.		6°/7°			
Building height	mm	h1	2020			
Free levy	mm	h2	1620			
Extended height with load support rack	mm	h4	4077			
Distance from the centre of the front wheel to the heel of the fork	mm	x	409			
Wheelbase	mm	y	1550			
Driver overhead roof height	mm	h6	2160			
Ground clearance middle mast	mm	m2	140			
Fork size	mm		35x100x1200			
Turning radius	mm	Wa	2040			
Total length to fork heel	mm	l2	2300			
Total honour	mm	b1	1380			
Track width	mm	b10	930/920			
Tyre type			Air			
Front tire dimensions			295x50-15			
Rear tire dimensions			24x13-12			
Final drive	kW		10			
Pump motor	kW		18			
Battery type			Lithium			
Capacity	Ah		302			
Weight incl battery	Kg		2505	2615	2765	2935

10. TIRES AND WHEELS



Panther XL-E

- 1 – Fender double air right
- 2 – Fender double air Left
- 3 – Complete 295x50-15 drive wheel
- 4 – rim 295x50-15
- 5 – Tire 295x50-15
- 6 – Freehub (optional)
- 7 – Drive wheel 295x50-15 complete outer wheel (optional)
- 8 – 295x50-15 outer rim (optional)
- 9 – Wheel nut
- 10 – Complete 24x13-12 rear wheel
- 11 – Rim 24x13-12
- 12 – Tire 24x13-12
- 13 – Wheel nut
- 14 – Spring washer
- 15 – Stop plate for freewheel hub

Type	Part number
Grass tread Tire	P04.02018
Open center Tire	P04.01301.2
Open Center Inner Tube	P01.11206
Open center Rim	PC.0008
Starco Outer tire 300/55-14.5	P04.01218
Starco Rim	PC.0002.9

Drawing number	Part number	Name
1	HE.0006.1	Mudguard double air right
2	HE.0005.1	Mudguard double air Left
3		Complete 295x50-15 drive wheel
4	PC.0002	rim 295x50-15
5	PO4.01214.2	Tire 295x50-15
6	PC.2065.10	Freehub (optional)
7		Drive wheel 295x50-15 complete outer wheel (optional)
8	PH.0051BU	295x50-15 Outer Rim (Optional)
9	PH. A00002	Wheel nut
10		Complete 24x13-12 rear wheel
11	HE.0016.1	Rim 24x13-12
12	PO4.01213.5	Tire 24x13-12
13	PH. A00002	Wheel nut
14	7203014001FA	Spring washer
15	PH.2065.7	Freehub stop plate

10.1 Tire pressure

Band	Tire pressure
Front tire inside	3 Bar
Front tire Outer	2 Bar
Rear tire	2 Bar

