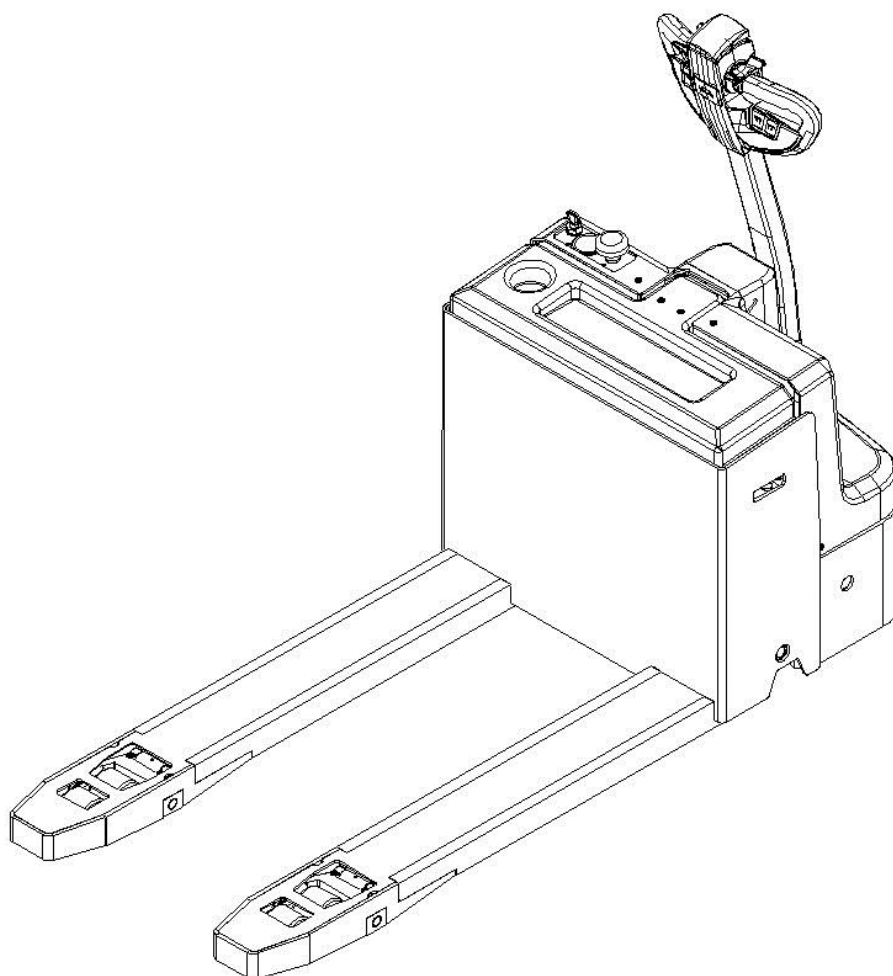




Manual

MEW15/20 Walkie Pallet Truck



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PREFACE

MEW15/20 series is one type of pallet trucks which used to transport the pallet point-to-point on the ground,powered by battery,suitable for point to point transportation of medium load goods.,widely used in warehouses,supermarkets,workshops and other places.

This instruction introduce the main components, working principle and maintenance of MEW15/20 series pallet truck,benefit to help the operators use the equipment reasonably and correctly. By reading this original instruction,the user can obtain the technical skills for safety operation the pallet truck.

This instruction numbered according to different models,during the course of operation and maintenance,the operators must comply with the stipulation strictly on corresponding models.

We will continuously research-develop and optimize the pallet truck equipment, consequently appreciate your understanding the revising rights we owned on the appearance,assembly and technology, due to these reasons,the user can't extend in meaning of other specified functions from this instruction which against this pallet truck.

For above content,if you have any understanding or suggestions,please contact local after-sales department.

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Chapter 1 Safety Regulations

1. Safety regulation

- ※ Please check all the safety switches, equipment in advance everyday before using the pallet truck according to the requirement so as to ensure safety devices normal.
- ※ Check that all the cautions and design parameter on the pallet truck are not destroyed.
- ※ The batteries must be fixed safely in the battery case.
- ※ It's forbidden to use the pallet truck when it's damaged or out of order and cause unsafe use.
- ※ When maintaining or adjusting the pallet truck, only professionals can do that.

2. Operation

When the pallet truck is used in the place of cold storage, it must be made specially. When the pallet truck is in design and manufacture, it has certain restriction for using occasions.

- ※ Air with inflammable and explosive dust or gas.
- ※ Use as a tractor of other trucks

3. Responsibility of operators

- ※ People who have been trained and approved can operate the pallet truck.
- ※ Obey this instruction and local relevant security rules, regulations and traffic rules.
- ※ Check the pallet truck carefully before operating it and make sure it isn't out of order.
- ※ It's forbidden to operate the pallet truck when there's oil on your hands and feet.

4. Workplace

- ※ The pallet truck can only run on hard and flat roads such as concrete or pitch roads. Don't work in greasy and dirt area so as to skid.
- ※ Make sure the ground can bear the total weight of the pallet truck, that is the pallet truck weight, load weight and the operator's weight.

5. Driving and guiding in the course of transportation

- ※ Don't brake and turn suddenly under the condition of driving at high speed.
- ※ Slow down the speed on the slope and keep goods at the lowest position. Running should be straight up and down on the slope. It's forbidden to turn back on it.
- ※ If the road surface skids, the operator should slow down the speed in order to prevent the pallet truck from spinning or overturning.

- ※ If your sight is obstructed, you can put goods behind you and drive. If necessary, ask others to guide in order to ensure security.
- ※ Keep a safe distance with the vehicle, persons, objects in front.
- ※ Ring the horn while you overtake.
- ※ It's forbidden to transport people.
- ※ Make sure the pallet truck can bear all the weight before it enter the lift.

6. Transporting goods

- ※ Only at the time of loading and unloading goods, you can lift the forks.
- ※ It's forbidden to transport when goods on the forks is unstable and unsafe.
- ※ Be more careful when transporting over high and over heavy goods.

7. Precaution of parking

- ※ After the pallet truck stop completely, you should lower the forks to the minimum position and brake it.
- ※ It's forbidden to park the pallet truck on the slope.
- ※ Park the pallet truck at the appointed place.
- ※ It's forbidden to park the pallet truck at the urgent exit.
- ※ Don't park it at the place to hinder work.

8. Fixing and removing the batteries

- ※ Be careful while fixing and removing the batteries and the plug, Read the instruction carefully firstly, see the chapter of the batteries in detail.
- ※ Please wear the protective glasses while changing or charging the batteries.

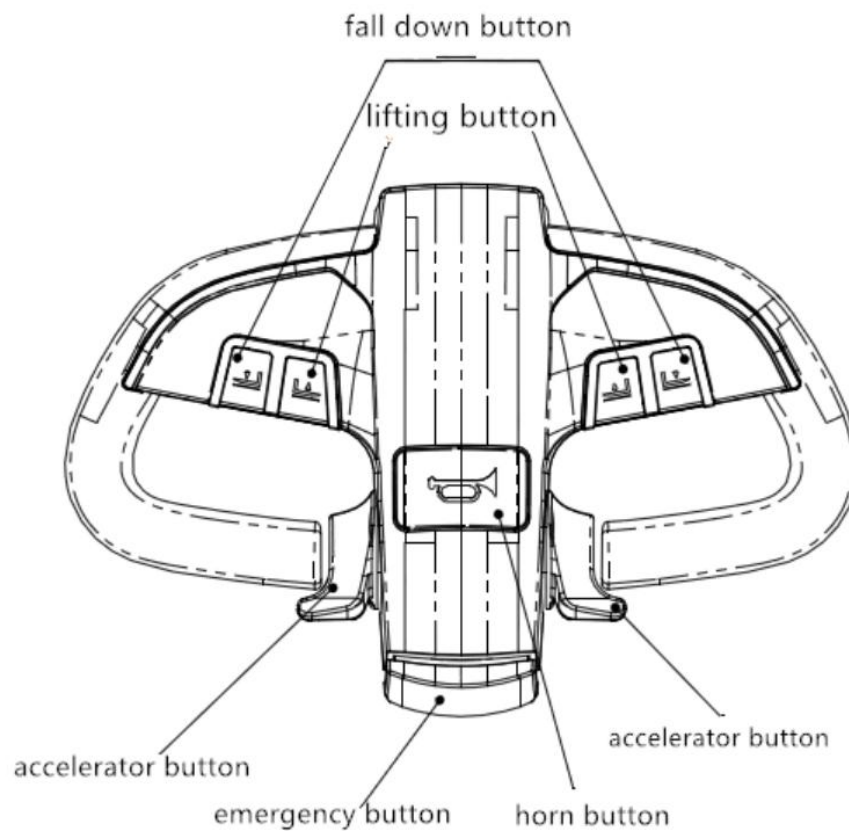
9. Maintenance

- ※ Maintenance can prevent mistakes and accidents. Please see the chapter of maintenance in detail.
- ※ All replacement parts and spare parts should be approved by our company.
- ※ It's forbidden strictly to maintain or reequip the pallet truck, which can influence security or use function.

Chapter 2 Warning, Nameplate & Sign

The pallet truck has the following signs:(Please read the signs on the pallet truck about relevant content)

1. Lifting and lowering hydraulic controlling button
2. Accelerator button
3. Horn sign
4. Nameplate
5. Emergency button



Chapter 3 Introduction of the pallet truck

The pallet truck drives with electric energy. Walking is controlled by the switch on the operating handle. The operating arm controls steering.

The pallet truck use 24V electronic system, and adjust its speed steplessly by a set of integrated circuit controller to ensure steady speed and acceleration while driving. The forks rise by the advanced electric hydraulic pump. Lifting and lowering the forks by lifting and lowering button on the operating handle.

If the pallet truck works in cold and moist environment, it should be equipped with low temperature oil in order to adapt to the environment.

1. Applicable occasion of the pallet truck.

The pallet truck is suitable for handling goods on a pallet.

2. Forbidden occasion of the pallet truck.

- ※ Places which can cause fire or explosion such as oil district.
- ※ The pallet truck is used as a tractor of other trucks.
- ※ It's used for transporting people.
- ※ It works on the meadow or the sand.

3. Parameter of the pallet truck

Model	MEW15	MEW20
Ranged capacity kg	1500	2000
Travel speed without load km/h	3.5	3.6
Travel speed with full load km/h	4	3.7
Gradeability %	3	3
Service weight with battery kg	380	400
Turning radius (fork length 1150)	1535	1535
Overall width	730	730
Max. lifting height	115	115
Min. fork height	85	85
Driving wheel	PU	PU

4. Main components

4.1 Operating handle

In the course of driving, walking and steering is controlled by the operating arm. The operating arm can steer maximum 180°. When the operating arm is on the top, it will shut off the power and brakes automatically.

4.2 Nameplate of the pallet truck

The plate encloses the model, rated lifting weight, maximum lifting height, weight and the serial number when it's out of our company.

4.3 Case lid

It can be taken down and has a good visibility.

4.4 Instrument

The voltmeter shows voltage value at the time of working normally and reflects whether the batteries are sufficient.

4.5 Hydraulic control

The lifting and lowering button on the handle assembly controls lifting and lowering function.

4.6 Hydraulic device

The pump motor, pump and oil tank case are fixed tightly together.

4.7 Socket assembly

When charging the batteries, pull out the socket and insert the plug of the charger into it.

4.8 Driving equipment with the brake

Enclose electromagnetic brake, walking motor, gearbox and driving wheels. Steering bearing is equipped between the driving motor and the gearbox.

4.9 Speed-adjusting equipment

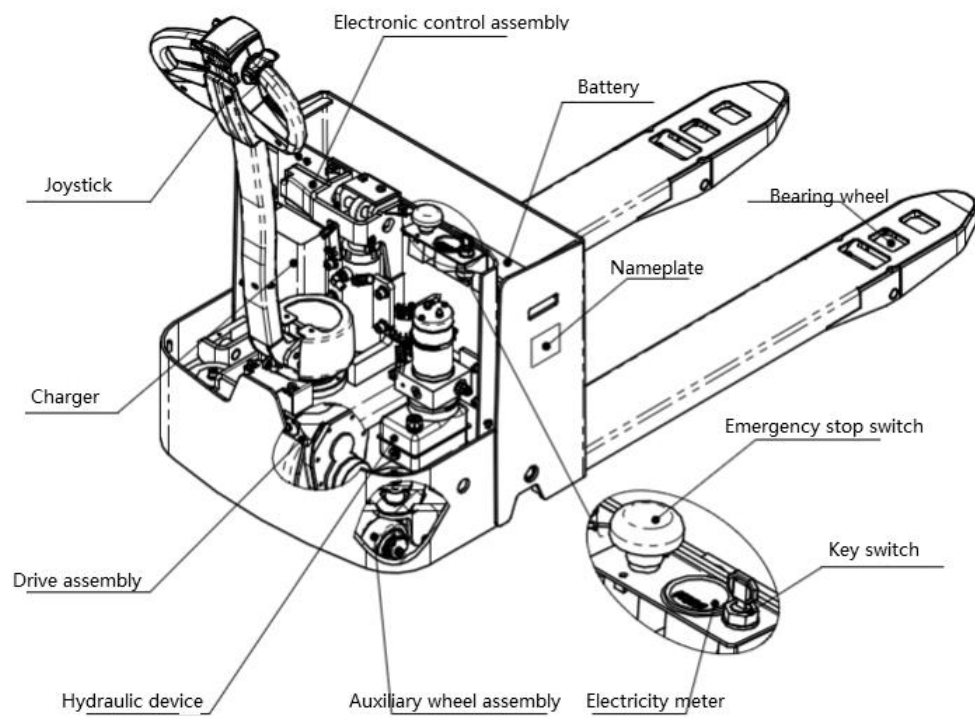
Normal running under 24V. Regulate speed by electric control.

4.10 Universal supporting wheels

The left and right universal supporting wheels ensure the pallet truck stable.

4.11 Batteries

Batteries are fixed in the case, the voltage is 24V, the capacitance is 100Ah.



Vehicle assembly

Chapter 4 Control Devices

1. Lift Control

Rotate the emergency stop switch, open the key switch, and press the handle button in the direction indicated to control the fork to lift or lower.

2. Direction of travel and speed control

Turn the accelerator knob to control the direction of travel, which allows you to adjust the speed and acceleration.

3. Emergency reverse switch

The operator faces the fork and the cargo in the direction of operation. When the direction is backward, the body is too late to avoid, the handlebar is in contact with the body, the control switch is closed, the pallet truck is braked urgently, and then the emergency reverse runs a distance. Play a role in security protection.

4. Horn

Press the horn button to sound

5. Key Switch

This switch function is to turn the control circuit on and off.

6. Meter

When the key switch is in the open state, the power meter displays the battery remaining amount, a total of ten grids. When the leftmost two LED indicators are flashing, it indicates that the battery is insufficient and the battery needs to be charged.

Chapter 5 Driving

1 Start up

Please proceed in the following order, otherwise the pallet truck will not run:

- 1.1 Make sure to turn the emergency stop switch.
- 1.2 Turn the key switch to the open position.
- 1.3 Make sure the battery has enough power.

Notice !

- ※ Operating the pallet truck for a long period of low power operation will damage the battery life. Do not start the pallet truck until the battery is charged.
- ※ The joystick is moved downward from the uppermost position and should be between the uppermost and lowermost ends.

Choose the driving direction correctly, control the speed to the ideal state, and slowly accelerate to the desired speed.

Warning !

Do not operate pallet trucks with serious functional defects that are dangerous to safety.

The following safety functions should be checked before working every day:

- ※ The horn function is normal.
- ※ The manipulation function is intact.
- ※ The brake function is normal.
- ※ The hydraulic function is normal.

2 Brake

- 2.1 When the joystick is rotated up and down to the uppermost or lowermost end, the pallet truck implements electromagnetic braking.
- 2.2 When the direction switch (accelerator knob) is turned to the neutral position during normal operation, the brake function can be performed.
- 2.3 Parking: Stop the pallet truck by releasing the direction switch (accelerator knob) to return it to the neutral position.

3 Steering

- 3.1 The steering is controlled by the joystick, and the steering angle can be anywhere within 90 degrees of the left and right direction.
- 3.2 The pallet truck encounters obstacles and should not be forced to pass. You can turn the joystick forward or backward to bypass obstacles.

4 Warning

The wheels are not allowed to slip.

If the operator's hands or shoes are stained with oil, it is easy to operate and the pallet truck is out of control, so dry hands or shoes should be used before driving.

5 Parking

5.1 Release the accelerator knob.

5.2 Lower the fork to the lowest position so that there is no system pressure in the hydraulic system.

5.3 Release the joystick and the joystick will automatically return to the parking brake position.

5.4 Turn the key switch to the off position.

Notice !

Driving without permission is not allowed. If you leave, please take the key with you.

Chapter 6 Transportation of Goods

- 1 The weight of the cargo shall be within the lifting capacity of the pallet truck.
- 2 Decelerate when turning.
- 3 Irregular objects should be safe when transporting, and be careful when leaving corners.
- 4 If the cargo affects the line of sight, drive back in the direction of the cargo.
- 5 If the operator's front line of sight is affected, ask someone to direct directions.
- 6 The upper and lower slopes should be decelerated. It is forbidden to turn the head and lift the fork on the slope.

Warning !

Turning on the slope, the pallet truck is in danger of overturning.

When going downhill, the brake distance of the pallet truck is extended and the braking time is increased. Therefore, you should slow down and reduce the braking time. Do not force the upper and lower slopes.

- 7 Before the pallet truck enters the elevator, it should be ensured that the elevator can withstand the entire load (the weight of the whole vehicle, the weight of the cargo, the weight of the operator). The pallet truck should first enter the elevator and finally leave the elevator.

Warning !

Before starting the elevator, you should clearly understand the carrying capacity of the elevator and avoid accidents.

- 8 Before the pallet truck drives over the bridge, it should be slowed down and kept at a certain distance from the edge of the platform.

Dangers !

Check the load capacity of the bridge beforehand to verify its safety to avoid rollover and fall.

Chapter 7 Battery and Charger

1 Battery

Park the truck as required before operating the battery.

1.1 Fire prevention measures:

1.1.1 Do not smoke or use an open flame around the battery.

1.1.2 Do not place flammable materials and work equipment that may generate sparks at least 2m around the truck that needs to be recharged.

1.1.3 The workplace must have good ventilation.

1.1.4 Fire extinguishing equipment must be prepared.

1.2 Battery model and size

Model	Battery	length	width	height
MEW15	24V/80 Ah	260mm	168mm	210mm
MEW20	24V/100 Ah	330mm	174mm	214mm

2 Charge

2.1 Do not smoke or use an open flame while charging.

To charge the battery, use an automatic charger, taking care not to overcharge or overcharge, so as not to damage the battery.

The maximum charging current of the charger is:

Battery (Ah)	Charger (A)
80	14
100	14

2.2 Charging preparation

The pallet truck must be charged as soon as possible after use, and the storage time must not exceed 24 hours.

2.2.1 After parking, turn the key switch to the off position and remove the key.

2.2.2 Insert the plug (active plug) on the truck with the power plug.

Warning!

Maintain a good ventilation when charging, especially when charging in a closed area.

2.2.3 Charge time

Charging method and maintenance should refer to the battery instruction manual. In normal times, you can use the following methods to determine whether the battery is sufficient: the charging indicator changes from red to green. The above indicates that the battery is fully charged.

2.2.7 After sufficient

※ Pull out the charging plug and place the plug in the original position.

3 Battery maintenance

3.1 Do not over discharge

3.1.1 Do not allow the power of the pallet truck to be consumed until the pallet truck is unable to move, which will shorten the battery life;

3.1.2 Once the battery needs to be charged, please charge it immediately;

3.2 Battery maintenance

The battery cover must be kept dry and clean. The terminal and cable lugs must be kept tight and clean, and a small amount of special grease should be applied. If the battery electrode is not insulated, the electrode must be covered with a non-slip insulation pad.

Notice!

※ Do not use a dry cloth or fabric to wipe the surface of the battery to prevent static electricity from causing an explosion;

※ Unplug the power plug;

※ Wipe with a damp cloth;

※ Wear goggles, rubber shoes and rubber gloves;

※ For the storage pallet truck, the battery should be charged every month. If the pallet truck is driven by the battery, the battery must be periodically charged. Otherwise, if the battery is automatically discharged to a certain extent, the battery will be insufficient and the battery will be vulcanized. Therefore, the battery is scrapped.

4 Electromagnetic brake maintenance

4.1 Use it for a long time in an environment with high humidity. To prevent rust, rust will affect the use on the suction surface. Please remove the rust.

4.2 The friction surface should not be in direct contact with the hand, and there must be no oil. Otherwise, the maximum torque cannot be reached. Please clean and wipe the clean friction surface.

4.3 When the temperature in the environment is high, please install it in a place with ventilation and ventilation. Generally, the ambient temperature is -10 °C ~ 40 °C.

4.4 The initial torque value is low. Please use the running period for a period of time before the torque value stabilizes.

4.5 Please check regularly and check the items regularly: Is the switch action normal? Is there any noise? Is there abnormal fever? Is there any foreign matter, oil stains, etc. in the friction part and the rotating part? Is the clearance at the friction part appropriate? Is the voltage normal?

5 Motor maintenance

5.1 Check that the maintenance motor should be operated with a power failure.

5.2 The cold insulation resistance of the motor is measured with a 250 volt megger every three months, and its resistance should be greater than 0.5 MΩ. If the resistance is less than 0.5 MΩ, it should be dried.

5.3 Check that the cable for the motor outlet is correct and secure.

5.4 Check if the commutator is clean and the brush should slide freely in the brush box.

5.5 Check that all fasteners are tight.

5.6 Check the brush wear every three months and replace the brush as appropriate.

5.7 Do a full maintenance of the motor every year.

Chapter 8 Fault Diagnosis

(Programmer Troubleshooting Menu and Status Display LED Troubleshooting)

LED display code	Compiler display	Fault phenomenon	Cause of issue
1.2	HW FAILSAFE	Hardware failure protection error	1.Controller damage
1.3	M-FAULT	M-output short circuit	1.M-output shorted to ground 2.Directionnal contactor does not pick up 3.Directionnal contactor suction speed is too slow
1.4	SRO	SRO faults	1. Key switch, brake and direction input sequence is incorrect 2. 2.SRO type selection error 3.Brake and direction switch circuit open 4.Sequence delay is too short
2.1	THROTTLE FAULT 1	Accelerator failure	1. Accelerator input line open 2.Accelerator input line to ground or B+ short circuit 3.Accelerator potentiometer failure 4.Wrong accelerator type selected
2.2	BB WIRING CHECK	Emergency reverse wiring fault	1.BB Wiring open 2.BB Detection line open

2.3	HPD	HPD Sequential failure	1. KSI, Brake and accelerator input sequence is incorrect 2. Wrong HPD type selected 3. Accelerator potentiometer adjustment is incorrect
2.4	THROTTLE FAULT 2	Potentiometer low-end open or short circuit	1. Accelerator low-end wiring open circuit 2. Accelerator low-side wiring short circuit 3. The wrong accelerator type was selected
3.1	CONT DRVR OC	Drive output overcurrent	1. Reversing contactor coil short circuit 2. And the short circuit of the excitation field
3.2	DIR CONT WELDED	Reversing contactor adhesion	1. Reversing contactor contact closure
3.4	MISSING ONTACTOR	No contactor found	1. Reversing contactor coil open circuit 2. Reversing contactor coil is lost 3. And the excitation field opens 4. Connect the reversing contactor or the open circuit of the excitation field
4.1	LOW BATTERY VOLTAGE	Battery voltage is too low	1. Battery voltage <16V 2. Battery terminals are corroded or loose 3. Controller terminal block is loose

4.2	OVER VOLTAGE	Battery voltage is too high	1. Battery voltage >33V 2. The charger is still connected while the vehicle is running.
4.3	THERMAL CUTBACK	Exceeding the working temperature range, the current is reduced	1. Temperature >85 or <-25°C 2. Vehicle load is too large 3. The controller is not installed correctly 4. Working in extreme environments

LED display code example (2.4):  means the LED light flashes twice in a row, and then pauses for a few seconds and then flashes 4 times. The customer can use the above method to troubleshoot the code that is read out by the LED light.

Chapter 9 Maintenance

After the pallet truck has been in operation for 500 hours, it is routinely maintained. The efficiency, life and safety of the pallet truck depend on daily maintenance.

The pallet truck should be repaired. The spare parts should be provided by the company to ensure the quality. It is recommended to contact the agent of the product or the after-sales service department of the company to make your pallet truck safer and more economical.

1 safety rules for maintenance work

Repair work can only be carried out after systematic study.

1.1 Keep the maintenance site clean and hygienic.

1.2 Do not carry loose or valuable items on your body during maintenance.

Notice!

When repairing the electrical system of the pallet truck, if the metal is in contact with the energized electronic components, it may cause short circuit or burning, so remove the watch, earrings or other accessories.

1.3 Before the pallet truck is repaired, unplug the power outlet and disconnect the power supply.

1.4 Turn off the key switch of the pallet truck before opening the enclosure or electrical system.

1.5 Before checking the hydraulic system, the fork should be lowered to release the system pressure.

1.6 Check whether the forklift leaks oil or not, please wipe with paper or paper board, be sure not to touch it with your hands directly so as not to scald.

1.7 The oil may be higher in the driving device or hydraulic system, so you should make pallet truck cooling first, then change gear oil or hydraulic oil, so that the high temperature oil can't cause burning.

1.8 Hydraulic system should be added with new clean oil.

Attention!

If hydraulic oil is not clean, it will influence accurate hydraulic components, make ability of the whole hydraulic system reduce.

The used hydraulic oil with different brands is harmful to hydraulic components and influence ability of the system. So while adding or changing the hydraulic oil, pay attention to using the same brand.

1.9 Please obey relevant regulations, protect the environment, store and discharge the oil according to the regulations, don't discharge it to sewer.

1.10 When weld pallet truck, please shut off the battery power, because welding electric current may enter the batteries when you weld, in order to prevent it from taking place, please shut off the battery power.

1.11 When work below pallet truck, pallet truck shall be supported by bracket.

Attention!

If it is incorrect to support pallet truck, it will overturn and hurt people. If the forklift has no hoisting equipment or supporting shelf to protect, it's forbidden to work under it.

2.Maintenance which users can finish.

2.1 Regular maintenance and safety inspection.

2.1.1 Carrying on regular maintenance and checking pallet truck is responsibility of operators.

2.1.2 If you don't carry on regular maintenance to pallet truck, which will influence security and reliability of pallet truck, it is easy to cause serious accidents.

2.1.3 While checking and finding out the trouble, you should repair it at once and stop using it.

2.2 You can finish the daily, weekly and monthly maintenance mentioned in the following chart.

Position number	Check point	Check content
1	Operation controlling	Checking whether its function is normal
2	The safety switch that prevents unexpected situations	Checking whether its function is normal
3	Horn	Checking whether its function is normal
4	Steering	Checking whether its function is normal
5	Hydraulic device	Checking whether its function is normal
6	Voltmeter	Checking whether its function is normal
7	Hydraulic system	Checking the oil level and seeing whether it leaks oil
8	Driving device	Checking whether it has unusual noise and oil leakage
9	Electromagnetic clutch	Checking whether it works normally and whether it keeps in touch or not
10	Transmission	Checking whether its function is normal
11	Wheels	Checking whether they're damaged, getting rid of greasy dirt, metal scrap
12	Frame	Checking whether it's damaged, getting rid of dirt
13	Batteries	Check the level of electrolyte
14	Forks	Check whether they're out of shape or have crack
15	Lifting device	Checking whether it's damaged, getting rid of dirt

16	Hydraulic cylinder	Checking whether it's damaged and whether it leaks oil
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The other maintaining parts in the maintenance form can only be finished by the maintenance men of our company or maintenance organization that our company approves.

3 Clean pallet truck

3.1 Carrying on the routine cleaning every week is very important to guarantee its reliability. Please pull out the outlet before cleaning to avoid short circuit and damage the electric system.

3.2 External clean

3.2.1 Remove adherent objects on the wheels every day to keep them rotate flexibly.

3.2.2 After finishing cleaning, you should add the lubricating oil to the necessary lubricating position according to the lubricating position form.

3.3 Clean electric components.

Blow off dust of the motor with compressed air

Attention!

The electric components can't be washed with the high pressure washing device. You can't destroy the electric components on the circuit board, and keep the position of them, avoid short circuit .

4 Maintenance form

Position number	Running interval	1 day	1 week	1 month	3 months	6 months	1 year	3 years
1	Forklift system							
1.1	Check the cover boards (left, right)					★		
1.2	Check the fixed components of the battery case					★		
1.3	Check if there is crack on the forklift frame					★		
1.4	Check if the forklift is fixed firmly					★		
2	Motor							
2.1	Check if the joints are loose					★		
2.2	Clean the motor					★		
2.3	Check if bolts are firm					★		
2.4	Check if there is abnormal noise of bearings					★		
3	Driving system							
3.1	Check disclosure					★		

3.2	Check oil level				★			
3.3	Check noise					★		
3.4	Oil change							★
4	Wheel parts							
4.1	Remove treads and impurity on the wheels	★						
4.2	Check if the driving wheels are worn and bolts				★			
4.3	Check if the universal wheels and axles are flexible and firm					★		
4.4	Check if the universal wheels are worn				★			
4.5	Check if the supporting wheels can turn and the joints are firm					★		
4.6	Check if the supporting wheels are worn				★			
4.7	Remove and lubricate the wheel bearings						★	
5	Braking parts							
5.1	Clean the braking parts				★			
5.2	Check if the braking friction flake is worn				★			
5.3	Test braking with the brake loose			★				
6	Electric control board							
6.1	Clean and installing check					★		
6.2	Fix the cable terminals				★			
6.3	Check the connectors					★		
6.4	Check if the connectors work					★		
7	Batteries							
7.1	Check the electrolyte level (it should be 10-15mm above the polar board)		★					
7.2	Check if the connection between the forklift and the battery and the charger is firm		★					
7.3	Check the batteries and insulating covering		★					
7.4	Check the electrolyte proportion and temperature			★				
8	Hydraulic system							
8.1	Check if the pipe and joints disclose					★		
8.2	Check if the pipe is worn					★		
8.3	Check if the oil box leaks oil					★		
8.4	Check oil amount					★		

8.5	Oil change						★	
9	Cylinder							
9.1	Check					★		
9.2	Check assembling					★		
10	Mast							
10.1	Check if it is damaged and has crack					★		
10.2	Check if the wheels can move					★		
10.3	Check if the lifting chain and pins are damaged and worn				★			
10.4	Check if the oil pipe and joints disclose					★		
10.5	Check if the fork rupture evidence				★			
11	Control arm							
11.1	Check installation					★		
11.2	Check the braking switch				★			
11.3	Check if the bolts are loose					★		
11.4	Check the safety switch					★		
11.5	Check if the shock-absorbing springs can work normally and adjust					★		

5 Position form of lubrication

Position number	Lubricating places	Interval time(h)			Type of lubricating oil & fat
		500	1000	3000	
1	Wheel bearings (including steering)		L		A
2	Hydraulic system	H	O		B
3	Driving gear box	H		O	C
4	Lifting chain	L			D
5	Lifting system bearings	L			G

L=lubricate C=check O=oil change

6 Lubricating oil and fat

Type		Specification		Applying components
		>-15° C	<-15° C	
A	Lubricating fat	3# lithium lubricating fat gutta point 170		Bearings and bushes
B	Hydraulic oil	YB-32 (abroad ISO-L-HM46)	YC-32 (abroad ISO-VG46)	Hydraulic system
C	Driving oil	85W/90 (abroad SAE80W/90)	70W/75 (abroad SAE75W)	Gear box
D	Lubricating oil	CC30 (normal temperature SAE20W)	CC15W (low temperature SAE10W)	Chain and pipe lines
G	Lubricating fat	3#lithium lubricating fat gutta point 170		Lifting system bearings

Chapter 10 Transportation and storage of pallet truck

1. Towing and transporting defective pallet truck

1.1 When you use towing truck or rope to tow pallet truck, the towed truck must be operated by a driver to steer and remove braking.

1.2 When the braking function of pallet truck is intact, you can pull the operating arm to the running position to pull pallet truck and ask other people to push (pushing position is outside the mast), then send pallet truck to destination or maintenance department of our company to repair it.

1.3 If the driving wheels have fault, you can pull pallet truck with a trailer or a tow tractor.

Attention!

The driving wheels must be lifted over the ground, otherwise the wheels and the motor are damaged seriously.

1.4 If the electromagnetic brake is out of order and can't brake, then the forklift will move with topography, at this moment, you must underlay the wheels with wedge blocks in a proper way to prevent it from moving.

2 Pallet truck storage

If the forklift needs deposit for a long time, please take the following measures for these parts:

2.1 Battery

2.1.1 Charge battery again, then maintain them according to the daily method of maintaining the batteries.

2.1.2 Do a charging maintenance and check the electrolyte level once every 3 months.

2.2 Hydraulic system

If storage time is more than one year, you need change hydraulic oil of the hydraulic system. Please see the chapter about maintenance and the form of lubrication position.

2.3 Driving system

If the depositing time is over one week, you should fix and underlay the driving wheels or hang in the air. Do not let it move, unload goods at the same time.

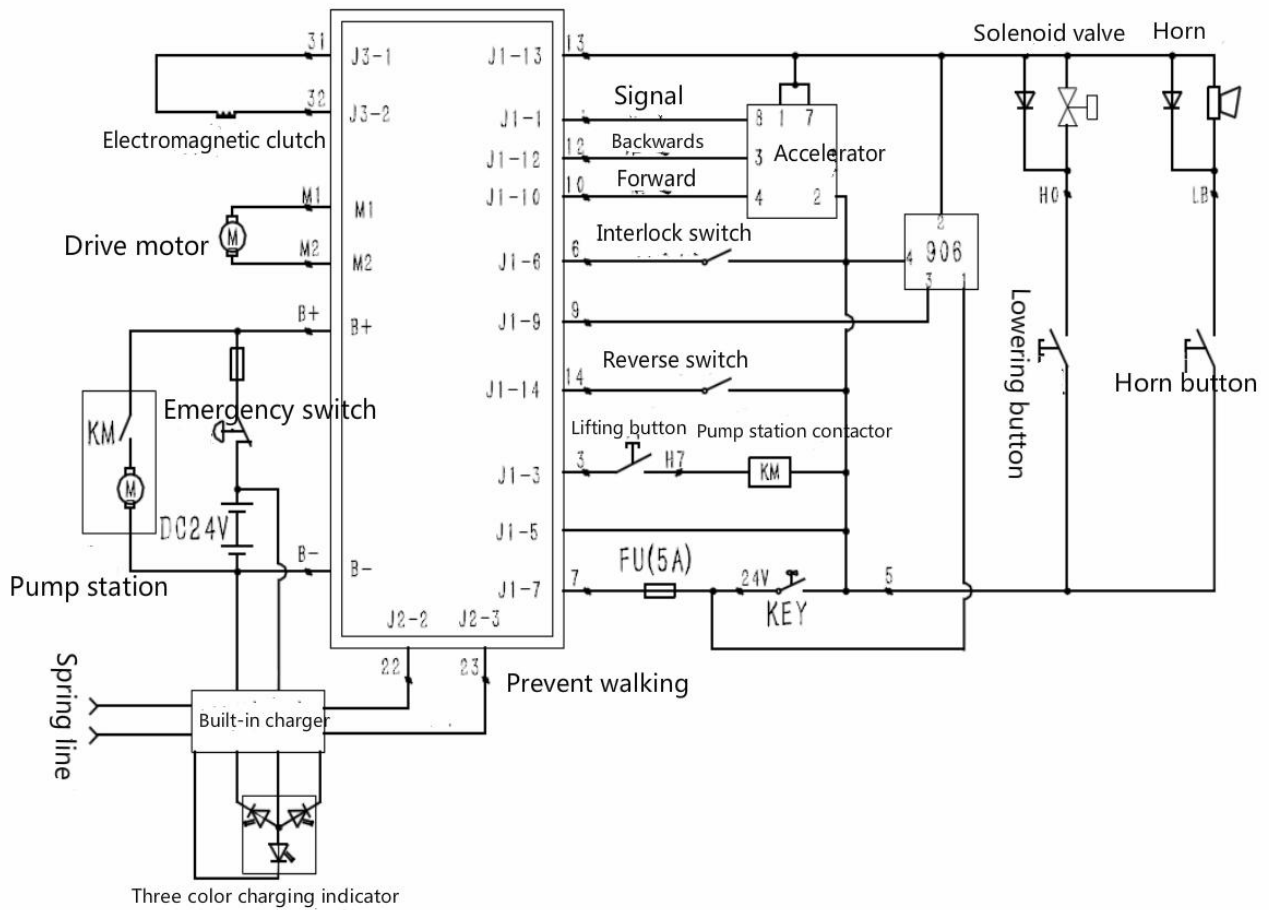
3. Notes for reuse of pallet truck after storage

3.1 Before reusing, you should take the function and security inspection as usual.

3.2 If the depositing time is over 3 months, you can maintain it according to this manual (interval) 500 hours preventively.

Chapter 11 Schematic diagram

1 Electrical schematic diagram



2 Hydraulic schematic diagram

