

JAC

The use of manual

CDD1030J Full electric pallet truck



Representantes Oficiales

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Warning

read the instructions on the operation guide before using this electric vehiCDDe

"Pictures and in kind match, all in kind prevail"

1. The correct use of

Allow only on the basis of this manual use this electric stacker.

Described in this manual stacker walking electric stacker, with electric operation to control the height of lifting function. This heap

High car is in order to ascend, and reduce the transportation load to the desired lifting height and design. Improper use may result in personal injury or damage to the machine.

The operator / operating company needs to ensure the correct use, while ensuring the high car pile by only have been trained and authorized to use This car operators. The stacker to flat on the firm foundation, using intact, plane and appropriate surface. The car to +5 C to +40 C Room temperature environment and indoor light load is applied without crossing the permanent disabilities or pits. Ban operating on a slope. Operation. When the load center, the goods must be placed approximately in high car pile of.

It is strictly prohibited to lift or carry personnel. As a carrier, the goods must be reduced to the lifting point (<300MM).

Prohibited in lifting using this car carriage plate loading or unloading slope bench. Rated load in the load curve and the nameplate label. The operator must pay attention to these warnings and safety instructions. The operation must be a minimum of 50 lux illumination.

Change

Any of the vehiCDDe load ratings, affect the stability or safety operation of change or change, must obtain prior car

Written approval of a native business or authorized by the manufacturer or its successor. This inCDDudes the effects of the changes, such as: brake, steering, Increase the visibility and mobile accessories. When the manufacturer or its successor approved modify or change, load curve, label, The identification mark, operation and maintenance manuals will be corresponding changes.

The damage of the vehiCDDe does not follow these instructions and cause will lose the warranty

VehiCDDe

1.1 An overview of 1.1 main parts

Fig 1: The main component overvi

NO.	Name	NO.	Name
1	The upper cover	11	Emergency stop button
2	Emergency stop button	12	Accelerator (Butterfly switch)
3	Protective net	13	The horn button
4	The door frame assembly	14	Belly switch
5	The charging interface	15	The electricity meter
6	Drive housing	16	Key switch
7	Under the hood	17	The driving wheel
8	The handle assembly	18	Steering wheel
9	Lifting cylinder.	19	Fork
10	Down button	20	Load wheel

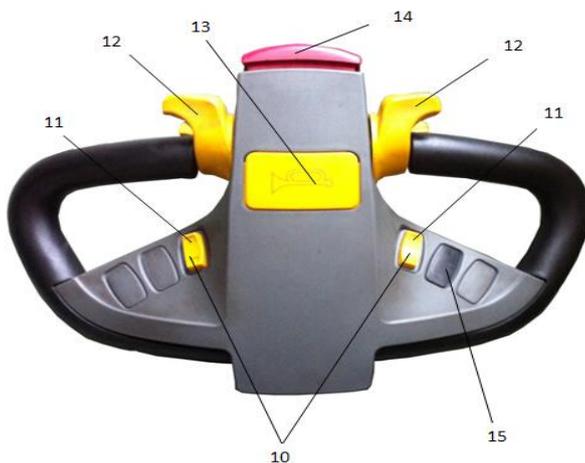
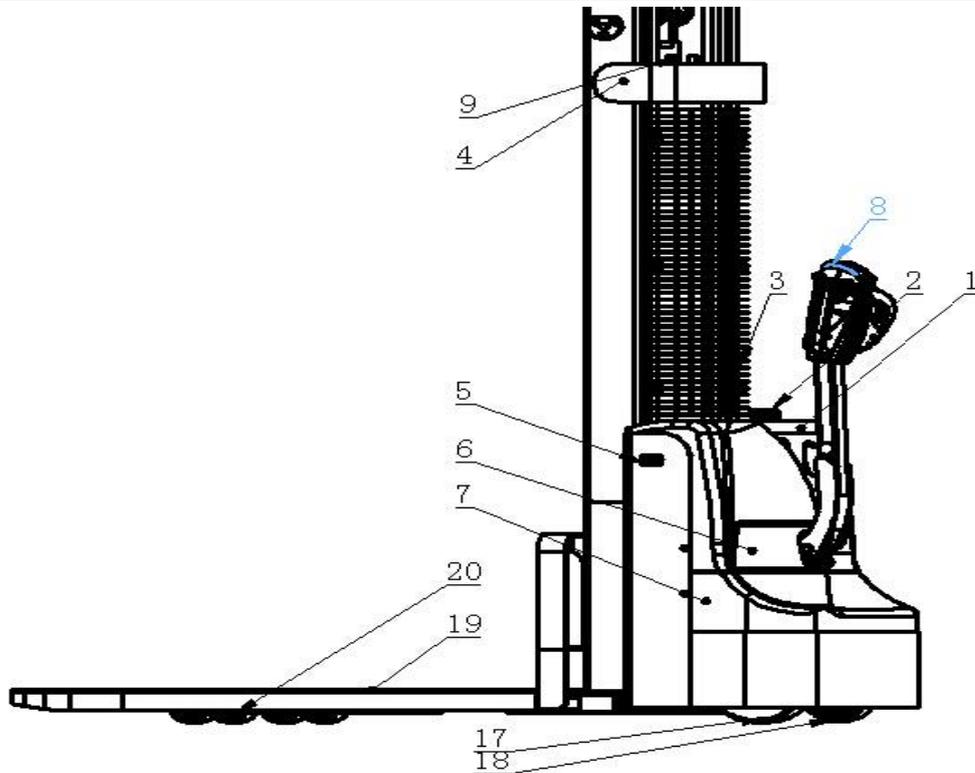


Fig.1:The main components of almost (2)

1.2The main technical data

1	Specifies the type of manufacturing		CDD1030J
2	Power		Electric
3	The type of operation		Walking type
4	Rated load capacity	KG	1000
5	Load center distance	C (mm)	600
6	The optimal length of bearing	x(mm)	718
7	Wheelbase	Y(mm)	1164
8	The weight of a vehiCDDe	kg	465
9	Tire		Poly Yaan ester
100	Drive tire ruler	□□□(mm)□□□	□□210 × 70
11	The front tyre feet bearing	□□□(mm)□□□	□80× 60X4
12	The balance wheel size	□□□(mm)□	□150 × 58X2
13	Track (back)	b10 (mm)	516
14	Track width (front)	b11 (mm)	535
15	Track width (front)	b11 (mm)	535
16	When reducing the height of door frame	h1 (mm)	1994
17	The handle is in the minimum /	(mm)	736/1121
18	Fork decreases height	h5(mm)	86
19	Overall length	l1 (mm)	1755
20	Fork size	s/e/l (mm)	55X160X1150
21	Length of the fork face	l2 (mm)	602
22	The overall width	b1 (mm)	795
23	The distance between the fork arm	b5 (mm)	695
24	1000X1200 tray when the cross channel	Ast (mm)	2165
25	Turning radius	Wa (mm)	1336
26	Load / no-load speed	Km/h	4.0 / 4.5
27	Hoisting speed loaded / unloaded	mm/s	100/150
28	The descending speed full load / no-load	mm/s	150/130
29	Maximum gradeability loaded / unloaded	%	3/10
30	Brake		Electromagnetic brake
31	The battery voltage, rated capacity	V/Ah	2X 12/ 100
32	Weight of battery	kg	25X26.5
33	The drive control mode		DC-The speed controller
34	The driver's ear noise level according to	dB(A)	<70

Fig 2: Technical data

1) Optional

35/ 100/ 1150

c. Safety devices and warning label, description

A Hook label

B Do not stand at the fork below or the goods fork

C Load curve icon paste

D Read and observe the instructions of the label

E 'no take' label

F Nameplate

(3) The key to the emergency stop switch

(14) Belly switch

The stacker has an emergency stop switch (2) can stop all lifting,

Fall, the driving function, and can make the electromagnetic

brake failure. To be checked The function of the controller, pull up the

switch can operate the stacker

Insert the key and switch (16) Clockwise rotation. If you don't know. This car pile high, in order to prevent unauthorized use, key needs to be counter-clockwise. Rotating and pull out. This car pile high with belly switch (14), when the vehicle deviates to the operator when running in a party, as long as the operating handle. Within touch belly switch, can make the vehicle deviate from the direction of the operator. At the same time, follow the instructions on the label are shown in stick. Such as stickers please timely replacement of damaged or missing.

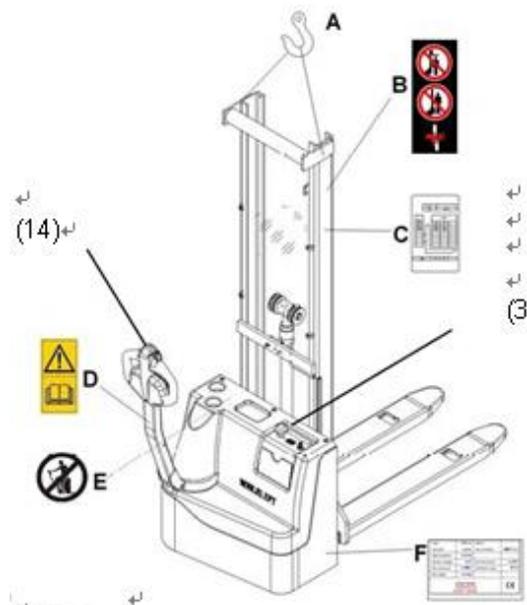


Fig 3: Safety devices and warning label

d. Nameplate

- 1 Name, type
- 2 Serial number
- 3 Rated capacity (kg)
- 4 Supply voltage (V)
- 5 No battery weight (weight) (kg)
- 6 The name and address of manufacturer
- 7 Minimum / maximum battery weight
- 8 Rated power (kW)
- 9 Load center distance
- 10 Manufacturing parameters
- 11 Optional

1	Type	xx xx	Option	xx X xxx	11
2	Serial No.	xxxxx	Year of Manuf.	MM/YYYY	10
3	Rated capacity	xxxx kg	Load center distance	xxx mm	9
4	System voltage	xx V	Nominal power	xx kW	8
5	Net weight without battery	xxx kg	Battery mass min/max	xxx / xxx kg	7
6	<p>XXXX XXXX XXXXXXXXXX xx XXXXXX / XXXXXX</p>			<p>CE</p> <p>If sell to Europe, please add CE logo here</p> <p>CE</p>	

2. Warning. The residual risk and safety instructions

3. Please do not

In outdoor travel, stacking operation. The cargo lifting height is higher than the height of the lifting point (<300MM).

A foot or hand put the lifting mechanism or into the lifting mechanism in. Allow non operating personnel in the vehiCDDe or the lifting / lowering when standing in front of or behind the vehiCDDe pile high. SalesOverload. The foot at the front wheels, which can lead to injury. Promotion of personnel. Personnel may fall and cause serious injury. Push pull air. Using this car on a slope. Use does not contain movable protective plate of the vehiCDDe (Figure 1, third / protective net). Lateral load or tail load. The goods must be evenly distributed in the goods fork. Using this car loading unstable, unbalanced loads. Without the written consent of the manufacturer is using

this car. Sales and provide AC voltage on-board charger needed 110V or outside the 220V. Observation of different ground status when driving. The goods may be dropped or vehiCDDe may lose control. Please check the load from time to time. The situation. If the goods become unstable should immediately stop the operation of the vehiCDDe. When the goods in the car sliding or slide down the body, vertical. Brake the vehiCDDe and press the emergency stop switch (2). If the high car pile any fault occurs, please refer to chapter sixth. Perform maintenance work according to the regular inspection. This car pile high waterproof. Please use the car in the dry environment. Continuously for a long time. The operation may damage the battery assembly. Please stop the operation of the hydraulic oil temperature is too high. The operation of the stacker, the operator should wear safety shoes. This car is suitable for room temperature between +5 C to + 40 C indoor use. Must have minimum of 50 lux operating lighting. Ban operating a vehiCDDe on a slope. As a sudden movement not prevent operation of the vehiCDDe body produce unexpected (such as: others cause etc.), in the operation should be off the car. A power supply and pull out the key.

Commissioning, transport, outage

3.1 Test

Table 2: Test data

3.

Models	CDD1030J
VehiCDDe weight [kg]	465
Lifting height is [mm]	3000

Re commissioning on receipt of our new car pile high or needs, please in the (first) the following steps before operation vehiCDDe: The final installation and charging a battery (see Chapter sixth) Work according to the inspection and routine inspection machine function. 3.2 lifting / transport. Transport, move the goods, the fork to the lowest position, and according to the following chart an. The total fixed special lifting equipment. Lifting. The use of special cranes and lifting equipment. Do not stand on shaky goods. Do not enter the danger zone in hoisting Safety park vehiCDDes, according to figure 5 lifting point binding body. Lifting the vehiCDDe to its destination, and remove the lifting equipment safety before placing a good vehiCDDe

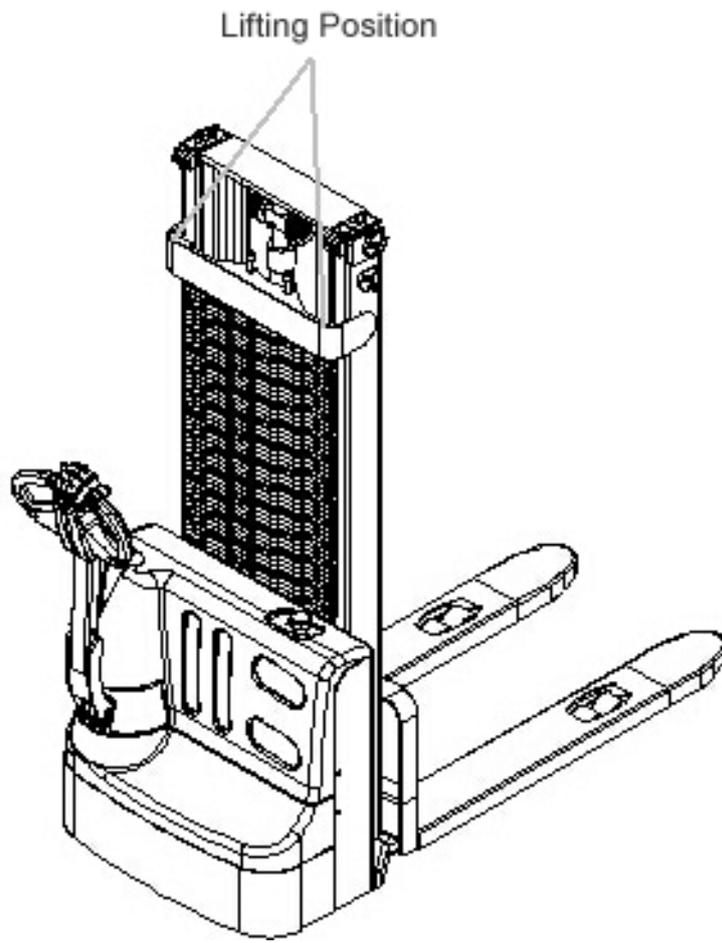


Fig. 5: Used crane hoisting

Transport

Transport in the process of the vehiCDDe is firmly fixed in the wagon or truck.

Reduce the fork to the lowest position and vehiCDDe safety park. Use stainless steel tie transverse lashing car leg through the tray at the bottom middle gap,

With the lifting of the special lock locking fixed in each of the two car is fixed on the tray.

3.3 outage

When stored, move the goods, vehiCDDes will be dropped to the lowest position, all lubrication points will be mentioned in this manual grease

(check), to prevent vehiCDDe corrosion and dust. Take out the battery and check the safety equipment after storage

VehiCDDes without extrusion.

The final vehiCDDe outages, give the vehiCDDe to the designated recyCDDing companies. According to regulations, oil, batteries and electrical components

Must be recyCDDed.

4 daily inspection

This chapter describes the operation of the vehiCDDe should be carried out before the examination before work.

Daily inspection can effectively find faults in this car or failure. The following points should be checked before operating the vehiCDDe.

The cargo will be removed from the body, reduce the fork.

If you find any fault please stop using this car.

Check whether there are scratches, deformation or cracks.

Check the cylinder leaks.

Check the condition of the vehiCDDe longitudinal driving.

Check the chain and the roller is damaged or corrosion.

Check whether the wheel can move smoothly.

Press the emergency stop button to check the emergency braking function.

Brake function check handle lever switch.

Press the button to check for lifting and lowering function.

Check whether there is damage and protective net is installed correctly.

Check the buzzer.

Bolts and nuts are tightened inspection of all.

Check the key switch function.

Check the speed limit switch.

Visually check whether there is any damage pipes or wires.

If the vehiCDDe is equipped with a gear rack, check whether there is damage, whether the correct installation.

5. Operating instructions

The operation of this car, please follow the warning and safety instructions (see chapter second).

The operation of this car, please see to it that the goods or other equipment will not lead to a lack of visibility!

To ensure that the goods and stable placement, and daily check. At the beginning, put

In the key, the CDDockwise rotation to the "open" position. The key can only be in step

For the control type electric stacker using. Finally add keys to the former, must be small
The heart will stop button to pull up.

Press the horn button to start the buzzer (13), (16) the key switch



Fig 1: Handle control

5.1 Parking

No parking on slope.

This car is equipped with an electromagnetic fault protection parking and parking brake.

Please always completely reduce the fork and the vehicle to safe area. The key counter-clockwise rotation to

closed "position, pull out the key.

5.2 Load curve

Load curve shows a given load center C [mm] and horizontal load

Capacity of the largest load Q [kg] corresponding lifting height is H [mm].

The white mark on the door frame representation can reach ascension range.

For example: a cargo gravity center distance of C is 600mm, the maximum lifting height H 2900mm, the maximum load capacity of Q to 800kg.

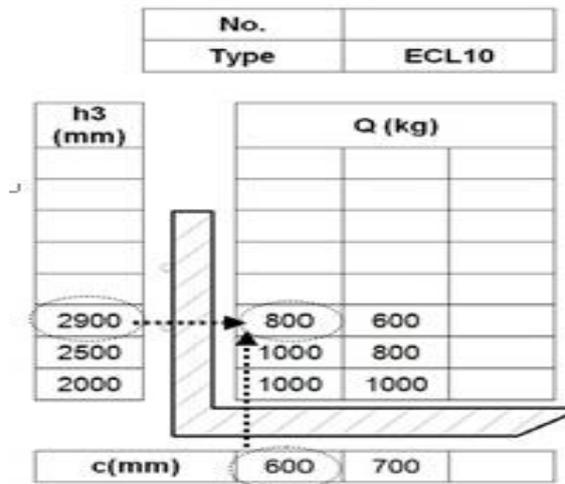


Fig6 Load curve

5.3 Promote

Do not overload. The maximum load capacity of this car is 1000kg.

Only increase the load capacity allowed by the load curve.

When traveling, please the fork completely reduced to a car on the leg, and press the lift button (Figure 1, 11) until you reach your expectations

Lifting height.

5.4 down

If the fork is on the shelf, first carefully the vehiCDDe together with the tray rack or separate vehiCDDes removed from shelves.

Carefully press the down button.

Goods will be reduced until the fork left tray rack, and then carefully pulled away from the goods.

5.5 travel

Only when the goods are upward only when running on slope.

Not to exceed the specified drive technology parameters on slope.

Only when the fork to lift point (<300MM), was allowed to travel

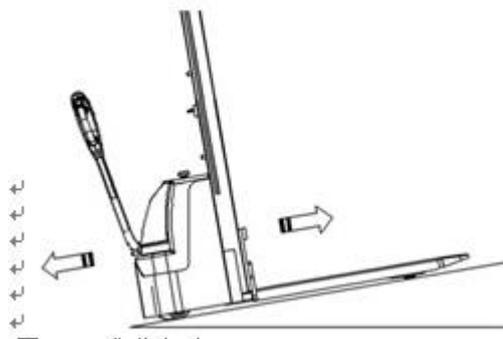


Fig 7: Goods up

Will have been put into the key is rotated to the "open" position (Figure 1 16; finally, carefully pull play urgent stop button), start the vehiCDDe, the handle is moved to the area of operations ('F', FIG. 8).

Direction of rotation to the desired Fw of the accelerator button. ' Or backward

direction 'Bw.' (Figure 11). By carefully moving the accelerator button (12) to control the driving Speed until it reaches the desired speed.

If you will move back to the middle position of the accelerator button, control The deceleration of the vehiCDDe until the parking device. If the vehiCDDe is stopped, Then the parking brake to start work.

Be careful driving the vehiCDDe to the destination. To observe the road conditions and Through the accelerator button to adjust the speed.

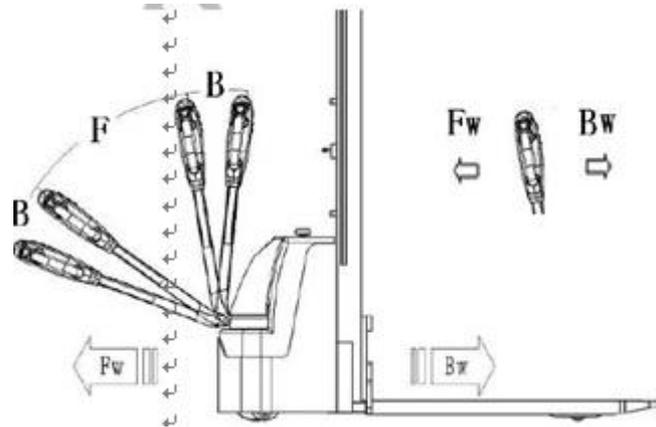


Fig 8: The direction of the operation

5.6. steering

To move around by the handle for vehiCDDe.

5.7. brake

Load braking performance depends on the road conditions and vehiCDDe.

Brake function can be activated by the following ways

Through the accelerator button (12) moved back to '0' position or the release of this button, the regenerative braking is activated. VehiCDDe brake to Stop.

Through the accelerator button (12) driving direction move directly to the opposite direction from a vehiCDDe with regenerative braking, until It began running in the opposite direction.

If the handle is moved upwards or downwards to the braking zone ('B'), vehiCDDe braking. If the release lever, is automatically moved to the handle

The braking area ('B'). The vehiCDDe starts until the parking brake.

Belly switch (14) can prevent the operator by extrusion. If you press this switch, the vehiCDDe began to slow and / or the beginning of a period of reverse driving distance ('Bw.'), then stop. If the handle on the operating area and the vehiCDDe is not running, please consider this switch can also operate on the vehiCDDe.

5.8. fault

If there is any fault or not operating the vehiCDDe, please stop using the vehiCDDe and press the emergency stop switch (2). If possible, will

The vehiCDDe park in a safe area, will be the key switch (16) counter CDDockwise rotation, and then pull out the key.

Immediately inform the manager and / or contact your customer service service personnel. If necessary, use a professional lifting equipment will be vehiCDDes

From the area of operations.

5.9 in case of emergency

When you meet the emergency, press the emergency stop switch (2). All electrical functions will stop. Keep a safe distance.

6 battery charging and replacement

Only qualified personnel can repair or to charge the battery. Please be sure to comply with the operation manual and battery manufacturers

Manual.

These batteries are maintenance free; prohibited to fill.

Battery recyCDDing need to abide by national laws and regulations. Please follow these rules.

Treatment of the battery, the prohibition of the use of fire, gas may cause an explosion!

Battery charging region forbid storing flammable materials or flammable liquids. Smoking is prohibited, and the region must ensure that

Good ventilation.

Start charging or install / replace the battery before you park the vehiCDDe safety.

Perform maintenance work before, wiring harness is connected correctly and to other parts of the vehiCDDe without interference.

The car is equipped with the sealing liquid acid battery

2 12V/ 100Ah

Only allow the use of sealed lead-acid battery weight will have a certain impact on the operation of the vehiCDDe behavior.

Please consider the maximum operating temperature of the battery

6.1. replacement

Safety park vehiCDDes, with a key (16) CDDose the stacker and press the emergency stop switch (2).

Unscrew the 2 screws on the main cover,

Remove the main outer cover. First unscrew the screws (negative terminal display as ' - '), then unscrew the screws (positive terminal display as ' + ') and the wire harness

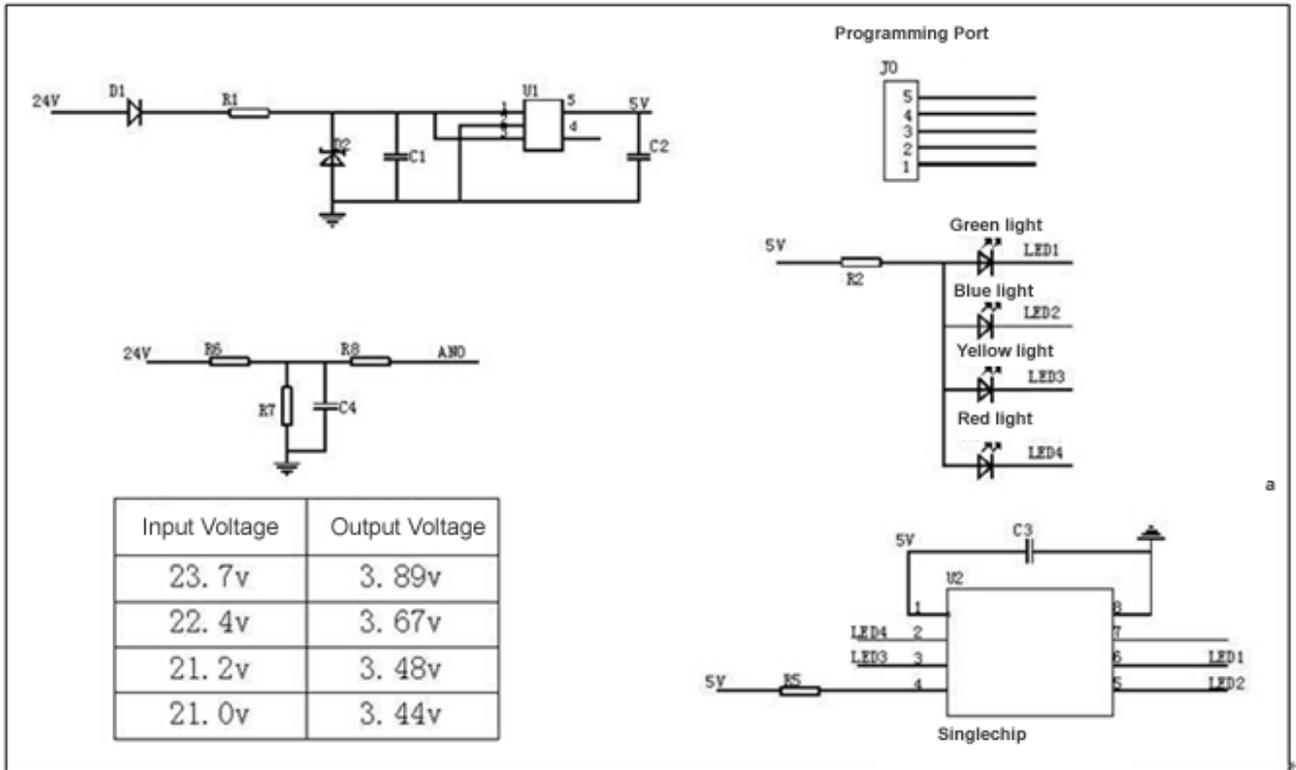
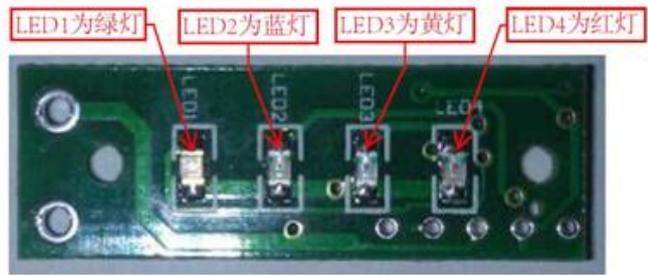
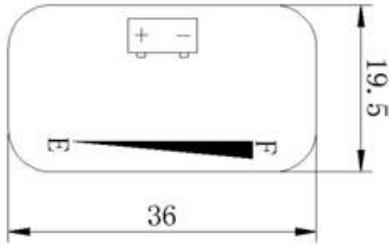
In the next. Unscrew the battery fixing strip and remove. Remove the battery when to observe, don't touch the top of electrical apparatus

Table board or the top of the tank. The installation method is the inverse operation method for removing the. Please connect the battery positive terminal. Otherwise

The vehiCDDe will damage.

The 6.2. power meter

Discharge with 4 LED display to show



6.3. Charge

Optional automatic voltage charger lorry with can only be applicable to the mentioned 110V or 220V. Charging space must ensure good ventilation. After the completion of the battery, disconnect the connector from the socket, and put it in the specified storage space

4. Regular maintenance

Only qualified and trained personnel can this car maintenance.

Before maintenance, please take the goods from the fork fork up and dropped to the lowest position

For lifting vehiCDDes, please is shown using the specified binding or top according to the fourth chapter Lifting equipment. Before the operation, please safety device (such as a specified jack, wedge or wood) under the vehiCDDe in case of an accident

Down, moving or sliding.

Please pay attention to the maintenance of the handle bar. Gas spring has been pre pressure. Carelessness will cause harm.

Please use the original spare parts approved and issued by your dealer.

Please consider the leakage of the hydraulic oil may cause the machine breakdown and accident.

Only allow repair technician trained for pressure regulating valve.

If you need to replace the wheel, please follow the above instructions. Caster must be and no abnormal wear round.

Check and maintain the list of items on the list

7.1. Maintain inventory

Table4: Maintain inventory		The interval of time			
		1	2	6	12
1	Check the hydraulic oil cylinder, the piston is there noise and		●		
2	Check the hydraulic connections and tubing for damage and		●		
3	Check the hydraulic oil level, then fill if necessary		●		
4	And then filled with hydraulic oil (12 months or 1500 hours)				●
5	Check and adjust the pressure valve function (1000 kg +0/ +10%)				●
Mechanical system					
6	Check whether the deformation and crack of fork		●		
7	Check whether the deformation and crack of the chassis		●		
8	Check all the screws are fixed completely		●		
9	Check the door frame and the chain if there is corrosion,	●			
10	Check whether the noise and leakage of gear box		●		
11	Check whether the wheel deformation and damage, replace if		●		
12	A steering bearing lubrication				●
13	Check and lubrication center point		●		
14	Grease nozzle	●			
15	Protective and / or protection board, if damaged, replace	●			
The electrical system					
16	Check the wire is damaged				
16	Check the wire is damaged		●		
17	Check the electrical connectors and connecting terminal		●		
18	Detection of the emergency stop switch function		●		
19	Check whether the electric drive motor noise and damage		●		
20	Detection display		●		
21	Check whether the use of the correct fuse, replace if necessary		●		
22	Test buzzer		●		
23	Check the current contactor		●		
24	Check whether there is leakage of the frame (insulation test)		●		
25	Check the accelerator function and wear		●		
26	Check the drive motor of electric system		●		
Brake system					
27	Check the brake performance, brake disc replacement or adjustment		●		
Battery					
28	Check the battery voltage		●		
29	CDDean and give the terminal grease, check whether there is		●		
30	Check the battery shell is damaged		●		
Charger					
31	Check the main power line is damaged		●		

32	Start protection program check during charging		•		
	Function				
33	Test buzzer	•			
34	Air gap electromagnetic brake check	•			
35	Detection of the emergency brake function	•			
36	Detection of reverse braking and regenerative braking function	•			
37	Detection of belly switch function	•			
38	Check the steering function	•			
39	Check the lifting and lowering function	•			
40	Check the handle lever switch function	•			
41	Detection of the key switch is damaged and function	•			
42	The detection speed limit switch (lifting height is >~300mm)	•			
	Comprehensive				
43	Check all label is CDDear and complete	•			
44	Check protective plate and / or protection is not damaged	•			
45	Check the steering wheel, if worn for height adjustment or		•		
46	A test run	•			

7.2. Lubrication points

Lubrication maintenance shown in listing marked points on the. Required grease specification: DIN51825, standard grease.

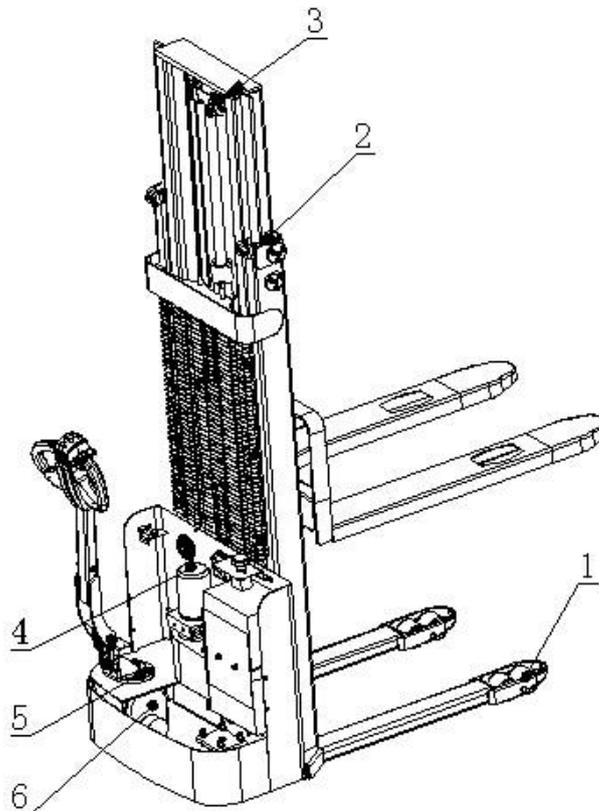


Fig9: Lubrication points

- 1、 The wheel bearing
- 2、 The door frame
- 3、 Chain

4. Hydraulic system

5. Steering bearing

6. Gear box

7.3. inspection and hydraulic oil refill needed hydraulic oil type

Antiwear hydraulic oil 32#

Viscosity is 32 - 38

Based on the model, the amount of oil is from ~2.5L to 3.0L

Waste materials such as waste oil, waste batteries or other materials must be recycled according to national law. 7.4. check the electrical fuse 7.5. removed, re install the protective net, if the protective device is damaged or is not installed properly, do not use this car!

If you need to remove protective net, unscrew the screw fixation and remove protective net. Screw is still in the protective net. Re installation, the protective plate placed in the correct position and the right fixed each screw. If you need to change parts, please contact your nearest after sale service partner.

8. Fault analysis

If the vehicle failure to follow the instructions of the sixth chapter explains, still failure.

Table Failure analysis of 6:

Fault	Reason	Repair
The goods cannot ascend	Excessive weight	Only increase the maximum load
	Battery discharge	Battery charging
	Enhance the fuse failure	Check and the eventual replacement
	The hydraulic oil level too low	Check and finally filled with hydraulic
	The oil spill	Seal repair tubing and / or cylinder
	Oil is too high	Reduce oily
	Oil dirty blocking control valve	Check the hydraulic oil and
	Deenergizing electromagnetic	Check or replace down solenoid
High car pile can not operate	The battery is charging	With the battery completely, and then
	Battery is not connected	The battery is connected correctly
	Fuse failure	Check and eventually replace the
	Low battery	Battery charging
	The emergency stop switch is	pull the knob to eliminate the
	Accelerator and connectors	Check the accelerator and connector
	Low battery	Check the discharge display battery
	Has launched the electromagnetic	Check the electromagnetic brake
	The handle is not connected	Check the wiring harness and
	The controller damage	Replace the controller
	The accelerator is not	Repair or replace the accelerator

If the vehicle failure and can be operated in the working area, the vehicle up, and put a fixed device under the car And guarantee the safety of vehicles. Then the vehicle out of the channel.