



PC020-04/PC060-01 Electric Table Lift

User's Manual



***Thank you for choosing our electric table lift.**

To ensure your safe operation, please read this manual and operate according to it. *

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1. PRODUCT OVERVIEW

This product can not only lift the loads, but also drive the loads with two speeds: fast and slow. We also have lifts specially designed for decoration equipment and orchard harvesting. The handlebar is CVT, and also can be adjusted according to the height of the user. The lifting table is surrounded by foldable guardrail, which is easy to operate and safe to use. It is a multi-purpose lifting tool.

The product structure consists of the following parts: lifting system (consisting of scissors and forks, lifting hydraulic top rod, loading table, etc.), starting system (consisting of motor, differential, frame, brake, starting wheel and universal driven wheel etc.), electrical system (consisting of battery, controller, lifting handlebar switch and starting handlebar switch etc.). Please see the product diagram in details.

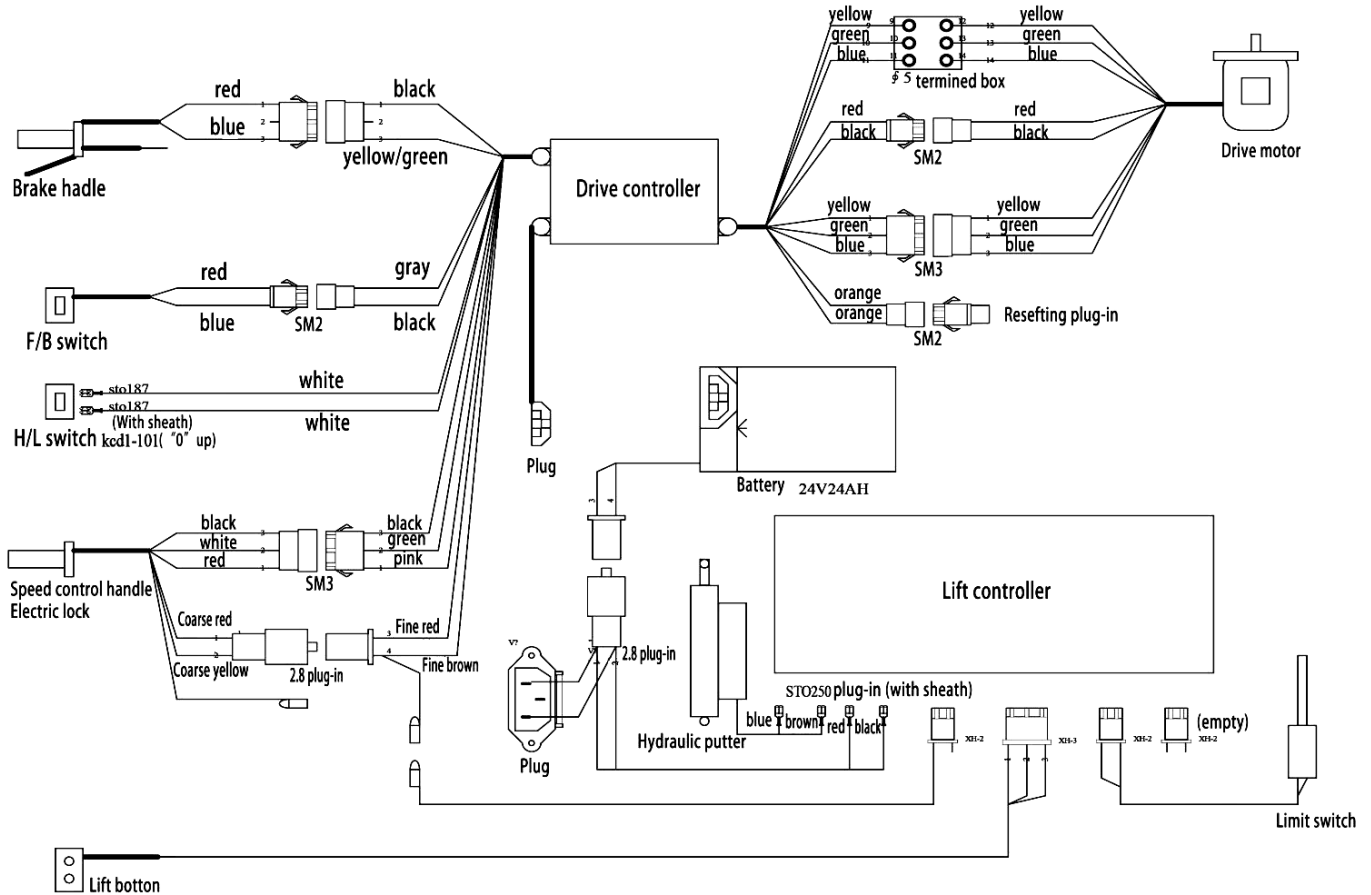
The product is designed scientifically, with reasonable structure and novel appearance. It has the characteristics of labor-saving, environmental protection, humanization and multi-purpose. The series of products produced by our company are completely self-designed and developed, which are protected by law.

Product patent number: CN2016120939051.5, CN201610725896.9, CN201620943217.0. Patented product, counterfeiting not allowed.

2、 NAME AND ILLUSTRATION OF PRODUCT PARTS



Circuit diagram



3. TECHNICAL PARAMETERS

Model		PC020-04	PC060-01	PC060-03	PC060-04
Dimensions(mm)		1150×710×950	1150×710×950	1630×710×1730	1150×710×950
Table Size(mm)		820×500	820×500	820×500	820×620
Dead Weight (Kg)		116	136	180	180
Capacity (Kg)		500	200	150	100
Table height (mm)		500~1000	530~1680	560~2000	600~2800
Time of Up/Down(s)		23/20	35/30	40/35	45/40
Speed Km/h	Quick	5 (Forward) /3 (Backward)	5 (Forward) /3 (Backward)	5 (Forward) /3 (Backward)	5 (Forward) /3 (Backward)
	Slow	3 (Forward) /2 (Backward)	3 (Forward) /2 (Backward)	3 (Forward) /2 (Backward)	3 (Forward) /2 (Backward)
Start-up Motor		24V/350W/80RPM	24V/350W/80RPM	24V/350W/80RPM	24V/350W/80RPM
Ejector Motor		24V/6000N/3.5A	24V/6000N/3.5A	24V/6000N/3.5A	24V/6000N/3.5A
Ejector motor force (Kg)		2500	2500	2500	2500
Front Tyre(mm)		13×5.00-6	13×5.00-6	13×5.00-6	13×5.00-6
Rear Tyre(mm)		4.10/3.5-4	4.10/3.5-4	4.10/3.5-4	4.10/3.5-4
Lead Acid Battery		24V 24AH	24V 24AH	24V 24AH	24V 24AH
Charger		24V 3.5A	24V 3.5A	24V 3.5A	24V 3.5A
Charging Time (H)		6	6	6	6
Tire Pressure (KPa)		180~200	180~200	180~200	180~200

Note:

- a. The frame material is made of high quality carbon steel, and the surface treatment is made of high strength anti-ultraviolet spraying.
- b. The above technical parameters are self-referencing according to the type of product you purchased.

4. PRE-USE INSPECTION

In order to ensure your safety, please do the following checks before use:

1. Are the front and rear wheels in good condition? Whether the tire pressure is normal or not? Is the fixed nut tightened? Wheel rotation is flexible?
2. Are the frame, scissors and forks intact? Are differential and hydraulic pumps leaking?
3. Are there any abnormal sounds or smells in the start-up of lifting and driving?
4. Are brake and brake insurance valid?
5. Is the battery enough?
6. Is lifting switch effective?

If and of the above phenomena occurs, it should be repaired before use, and It is strictly forbidden to use with malfunctions.

5. OPERATING METHOD

a. Forward/Backward

Turn the electric lock 6 up one gear, the power display screen will display the battery power, and automatically switch on the starting motor and the lifting motor. You can start the vehicle by rolling the handlebar 5, and you also can move forward or backward by switching 20.

Note: The handlebar 5 is CVT. It can be used to implement quick and slow speed of the lift. Slowly turning to the left will make the speed faster and faster. When you release the hand, the speed control handlebar 5 will automatically reset and the lift will stop.

There is a speed switch 21 on the electrical box, which is on the right bottom of the lift. The user can adjust the speed according to needs. Please see specific detailed speed from technical parameter table.

In order to prevent collision, the left handlebar is equipped with a brake handle 9 and a brake insurance 24. The lift can be stopped by the brake handle 9, and the lift can be fixed by a brake insurance 24. In order to save electricity, the vehicle will automatically cut off power when braking.



b. Up/Down

When the lock switch 6 is turned on, there are two lifting buttons 7 on the left handlebar. If the "up" button is pressed, the lifting table will rise. If the "down" button is pressed, the lifting table will go down and the lifting table will stop when the button is loosened.

Note: This product has a lift controller 13. When overloaded or stuck, the controller will automatically alarm, that is, the lift will stop working after the red light warns 6 times with buzzing sound "beep, beep, beep". When the alarm is on, the electric lock 6 should be turned off immediately, and then the electric lock 6 can be restored.



c. Charging battery

In order to use safely and longer, the battery should be charged immediately after use. Even if the lift is not used for a long time, the battery must be fully charged every two-month, otherwise it will affect the life of the battery.

6. WARNING

Operating forklift is not only a technical work, but also a dangerous work. Please read this manual carefully before using it. Correct operation is the only way to ensure safe use. There will be hidden dangers of injury or even death if operate the lift incorrectly.

In order to ensure your safety, please do the following checks before use:

- a. It is strictly forbidden to lend forklift to some people are not trained or authorized, especially minors!
- b. It is strictly forbidden to operate on unstable and uneven grounds. It is strictly forbidden to lift goods on slopes and slippery roads
- c. It is strictly forbidden to lift and load of rolling goods. The cargo shelves loaded must be solid and reliable to prevent cargo from falling off and cause injury.
- d. The goods must be stored in the center of the lifting table to prevent the lift or the goods from overturning.
- e. It is strictly forbidden to load super high, super wide and super heavy. It is strictly forbidden to lift the goods very high.
- f. Inconsistent air pressure between left and right tires can easily lead to overturning, and excessive air pressure can lead to tire explosion and overturning.
- g. Stop operation immediately when abnormal sounds, or abnormal smells are found.
- h. It is strictly forbidden for any part of the body to enter the lifting area. It is strictly forbidden to load inflammable, explosive and other dangerous goods!
- i. No malfunction! Refitting or altering the structure is strictly prohibited!
- j. It is strictly forbidden to use or charge or discharge in flammable and explosive environment.
- k. It is strictly forbidden to wash electrical box and battery with high-pressure water guns! Especially the lifting controller and starting controller!

7. GENERAL TROUBLESHOOTING

Fault Phenomena	Exclusion Methods
Turn on the power switch, but the lift doesn't work.	<ul style="list-style-type: none">a. The brake insurance²⁴ on the left handlebar is locked. If the brake insurance²⁴ is loose, the power will be restored.b. Switch connector is loose. Just unplug the connector and reconnect it.c. Wire ruptured or switch damaged, repair wire or replace switch.
Only forward or backward. Or start forward but go backward. Or start backward but go forward.	<ul style="list-style-type: none">a. Switch² is not in good contact or damaged, repair or replace the switch.b. When forward and backward misalignment occurs, open the startup box¹¹, insert the two spare connectors on the controller for 5 seconds, then unplug them, and the program will automatically reset. If it still doesn't work, the forward/backward switch² needs to be replaced.
Strange sounds in the ascent and descent.	<ul style="list-style-type: none">a. Deformation of guide rail, stuck by hard trash, aging of slide bearing, or lack of oil.b. Adjust guide rail, remove hard trash, replace bearing or add rail oil.

<p>Lift controller light turns to red with "beep" buzzing sound, and lifting function fails.</p>	<p>a. Overload or stuck alarm, automatic protection: b. Turn off the electric lock, unload the overloaded goods and reopen the electric lock. c. The upper and lower guide rails are stuck. Turn off the electric locks to clean up or remove trashes in the rails, and ensure that the upper and lower pulleys and the rotating axles slide easily, and reopen the electric locks to restart the lifting function.</p>
<p>Only can go up and down with an empty table.</p>	<p>a. Battery power is insufficient and needs to be charged. b. Hydraulic pump connector is loose, so please re-connected. c. Hydraulic oil is insufficient or the motor of the hydraulic pump is burnt out. Replenish the hydraulic oil L-HM46A or replace the hydraulic pump.</p>
<p>Motor works, but wheels do not rotate.</p>	<p>The gear handlebar²⁸ is not closed or the clutch²⁶ adjusting bolt is not adjusted properly. Push the gear handlebar²⁸ down and then pull it up to close the gear handlebar²⁸. If the wheels still do not rotate, adjust the clutch²⁶ to connecting state.</p>
<p>Only can go forward or backward, but cannot go up or down.</p>	<p>a. Maybe the lock switch is turned off. The key of the lock can be rotated to the third gear to go up and down. b. If the connector of lifting line is loose or the switch is damaged, re-unplug and re-insert the corresponding connectors. If it still doesn't work, it is necessary to replace the lifting switch.</p>

8. MAINTENANCE

In order to ensure your safe operation, do a daily maintenance to keep the lift always in the best status. Please do the following maintenance:

- a. To check status before use.
- b. To check the bolts and nuts regularly. If they are loose, tighten them in time.
- c. To refill oil for all guide rails and movable joints regularly. If the hydraulic push rod is lack of oil, Please add anti-wear hydraulic oil L-HM46A.
- d. To clean the vehicle regularly, and to check carefully and repair if the key parts are missing, deformed or broken.
- e. To charge the battery in time after use, in order to prolong the battery life. Note: Both lead-acid and lithium batteries must be charged every 2 months, otherwise the life of batteries will be affected.

9. AFTER-SALES SERVICE

In order to safeguard your legitimate rights and interests, please properly preserve the "warranty card" and purchase receipt.

A. Warranty including:

- a. When you buy this product, it should be inspected on the spot, and have the right to ask the salesperson to teach the correct method of use, precautions and maintenance, and to require the "warranty card" and the purchase receipt.

- b. Please read the user manual carefully and operate it correctly. For example, due to the production quality of the product, the distributor can be directly sought for compensation. The factory also will repair or replace new parts for you in time , but the users should pay all the losses and expenses caused by improper use.
- c. During the warranty, and under the correct operation, fracture of frame, surface paint peeling, failure of electrical appliances, aging of bearings and wheels will be replaced free within two years.
- d. Battery shell cracking, leakage or rapid capacity decay, is responsible for replacement within one year (12 months from the date of purchase of the product).
- e. Artificial damage is not within the scope of replacement.

B. Warrant not including:

- a. Accidents or damages caused by users do not follow the user manual.
- b. Accidents or damages caused by self-disassembling or self-remodeling.
- c. Accidents or damages caused by improper operation.
- d. Loss of warranty card or receipt.
- e. Accidents or damages caused by self-repairing.
- f. Accidents or damages caused by force majeure, such as fires, earthquakes, floods, typhoons, etc.

C. Others

- a. Not free service after warranty.
- b. Due to the continuous improvement and updating of factory products, the parameters of all models are based on the actual model parameters. If the parameters are changed, no further notice.