

USER MANUAL

MODLE: GE-HY202 LIFT MACHINE



Proper use of this product is the prerequisite to ensure safety, convenience and durability

Please read this instruction carefully before using, and be sure to master the matters marked with the mark ★

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△ NOTES:

This manual contains important information about the product. Please read carefully and fully understand it before using. Remember to keep this manual somewhere you can always find it.

I. Safety Instruction

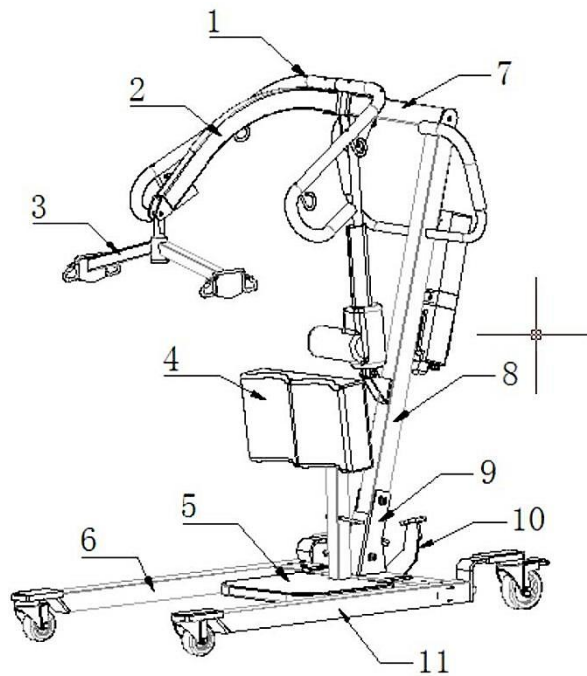
1. Please ensure the following items before the first using:

- The shifter is installed according to the instruction;
- Make sure the battery is fully charged or charged for at least 6 hours;

2. Need to check the items before using:

- All accessories are not damaged;
- Choose the right accessories according to the patient's condition;
- Under no circumstances shall the shifting machine be modified.
- Pay attention to avoid local high frequency equipment, transmitters and receiver when using.

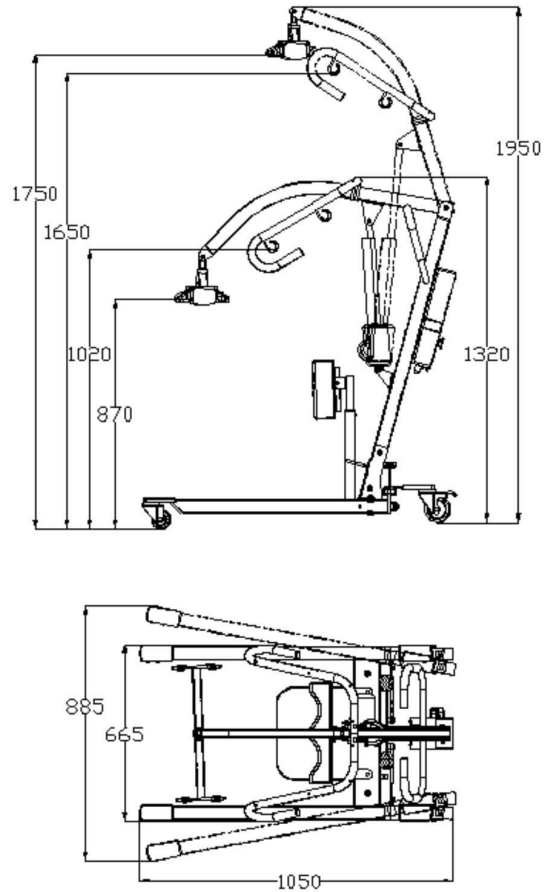
II. Product Drawing



1. Waist brace tube	2. Front lift tube	3. Hanging head assembly	4. Knee pad	5. Foot base
6. Right foot tube	7. Rear lift tube	8. Main frame tube	9. Connecting tube	10. Foot pedal
11. Left foot tube				

III. Specification

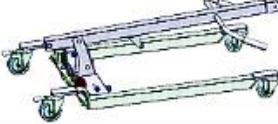





Overall size	1200x1320x665
Button unfold size	885mm
Motor	24V/8000N
Lifting speed	8.3mm/s
Protection class	IP54
Net weight	57kg
Max load	200kg
Lifting times per charge	60-80times
Cross height	10mm
Lifting range of boom	870-1750mm
Lifting range of waist brace	1020-1650mm
Knee pad adjustment range	555-680mm






IV. Installation

1、Open-box inspect

Please check if accessories are lost(Please refer to the following list),if any damage or lost, please contact the distributor in time.

Items	Qty	Pictures
Main body of shifting machine	1 set	
Control box	1 pc	
Motor	1 pc	
Control handle + charging cable	1 set	
Rear lift tube	1 pc	
Front lift tube	1 pc	

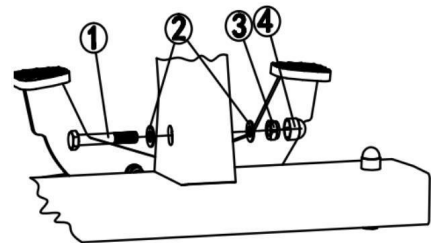
Waist brace tube	1 pc	
Pedal	1 pc	
Knee pad	1 pc	
2.5mm inner hexagon wrench 5mm inner hexagon wrench 13#-16# open spanner 13#-17# open spanner	1 set	Tool kit
Others	1 set	1 manual book 1 warranty card

1. Installation steps

Step 1: Raise the body frame, Screw the M10x75 outer hexagon bolt as drawings.

① Bolt M10x75 ② Gasket

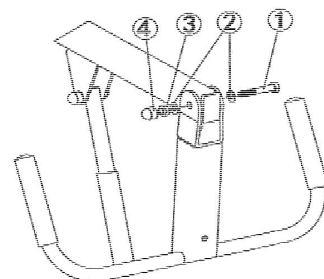
③ Nylon lock nut M10 ④ Nut



Step 2: Connect the rear lift tube with the body frame shown in the drawing, tighten by M10x50 Hexagon bolt and nuts.

① Hexagon socket shoulder screw M10X50

② Gasket ③ Nylon lock nut M8 ④ Nut

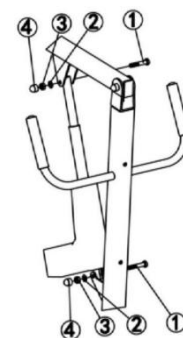


Step 3: Install the motor, tighten by

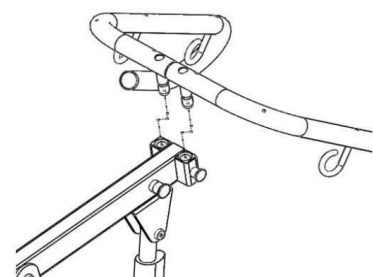
M10x40 Hexagon bolt and nuts

① Hexagon socket shoulder screw M10x40

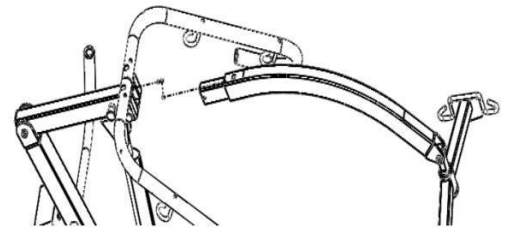
② Gasket ③ Nylon lock nut M8 ④ Nut



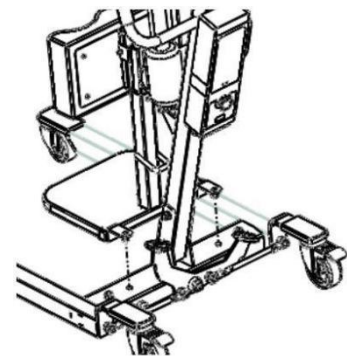
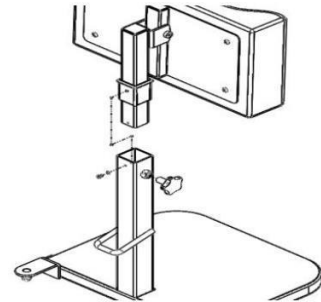
Step 4: Install waist brace tube, Align the two pins on the waist brace tube to the two holes on the rear lifting tube press down, hear a “click”



Step 5: Insert the front lift head into the rear lift tube ,pull the bigger index plunger, the front/rear lift tube ends coincide, loosen to reset the indexing pin.

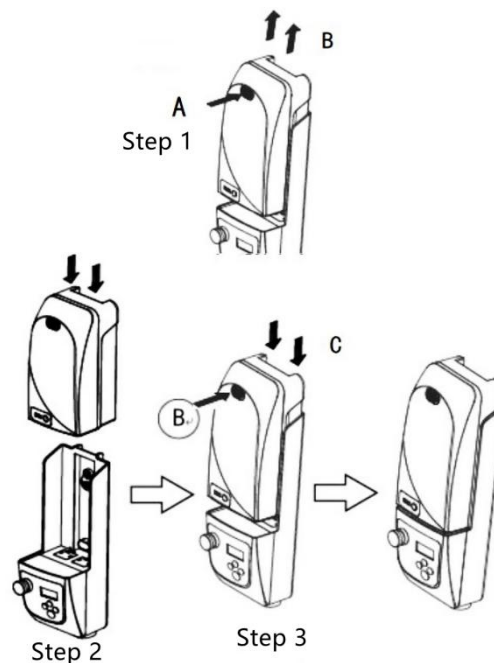


Step 6: Pedal knee pad installation ,using a 2.5mm hexagon wrench, unscrew the M3 screw and hand twist plum screw, then install the kneecap pad into the square pipe on the pedal, and then unscrew the M3 screw and hand twist plum screw. Knee pad adjustable, hand twist plum screw fixed. Install the installed pedal knee pad to the shift machine.



Step 7:Control box installation

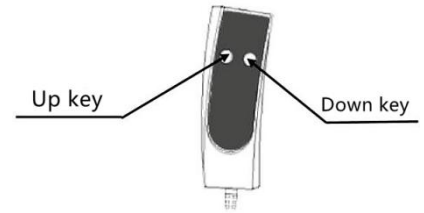
- 1、 Lock the two mounting screws(M5x10)
- 2、 Turn the lock to the opening direction, install the control box on the screws of the main frame and tighten the upper screws
- 3、 Lock the control box by turning the lock 90° clockwise



V. User Guide

1. Control handle operation

Up/down key to control the boom up and down, release to stop motion



2. Base width adjustment

Adjustment by foot pedal. Step on the left to widen, step on the right to narrow

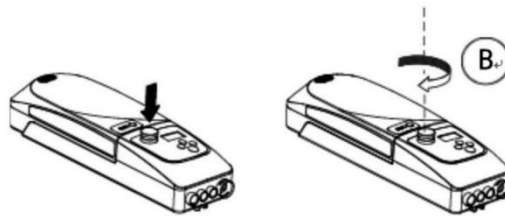


3. Emergency stop button to cut the power supply, stop the lifting machine immediately in case of sudden danger.

Off: press red button, control the device to be closed

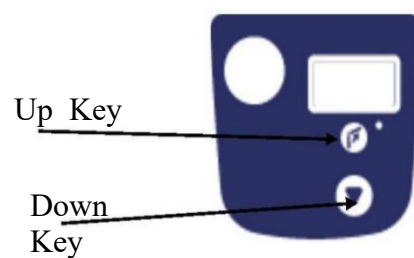
On: Rotate red button clockwise, showing as B, Control machine can work normally.

Strong Suggestion: Press this button when the device has not been used for more than 3 days. In this way, the batteries can be maintained for a long time.



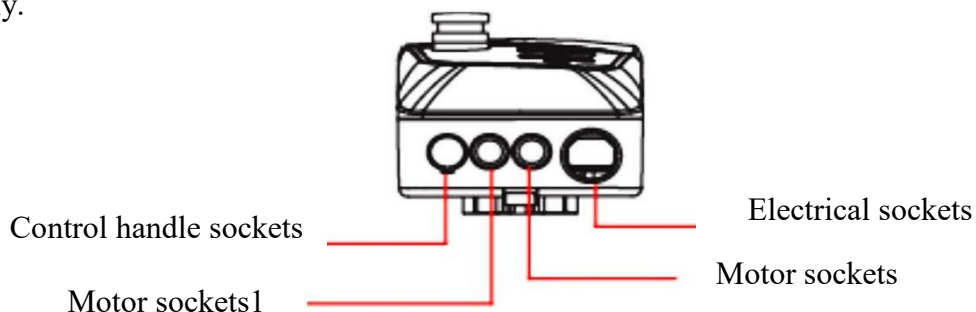
4. Electric emergency up and down key

If the control handle breaks down or there is no control handle, use the up or down keys to return the motor to position.



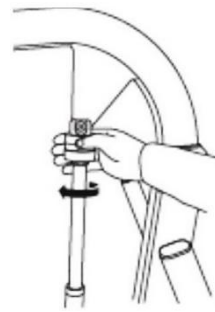
5. Control Device connection

This device has four sockets, one for the control handle, two for motors, and another for the power supply.



6. Manual emergency low down

For emergency manual low down, turn the red sleeve in the direction of the arrow shown.

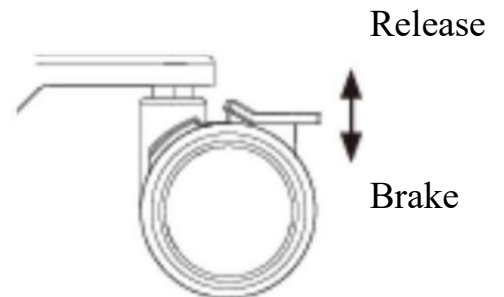


7. Rear wheel release and brake

The rear wheel can be locked to prevent rotation and lateral movement.

Warning: Locking the wheel during lifting movement increases the risk of tipping over the lifting equipment.

Note: We recommend locking the wheel only when there is a risk of personal injury from sliding, for example, by lowering the patient from a horizontal position to the ground. Release the wheel brake and lift.

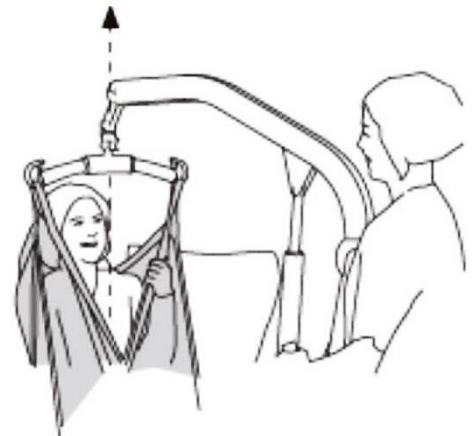


8. Operation of shift machine

1) keep safe operation

Always keep the arm perpendicular to the client's center of gravity. Ensure proper operation of the shift machine before each use.

Warning: Unbalanced rise creates the danger of toppling



2、 The position of the shift machine

Sickbed



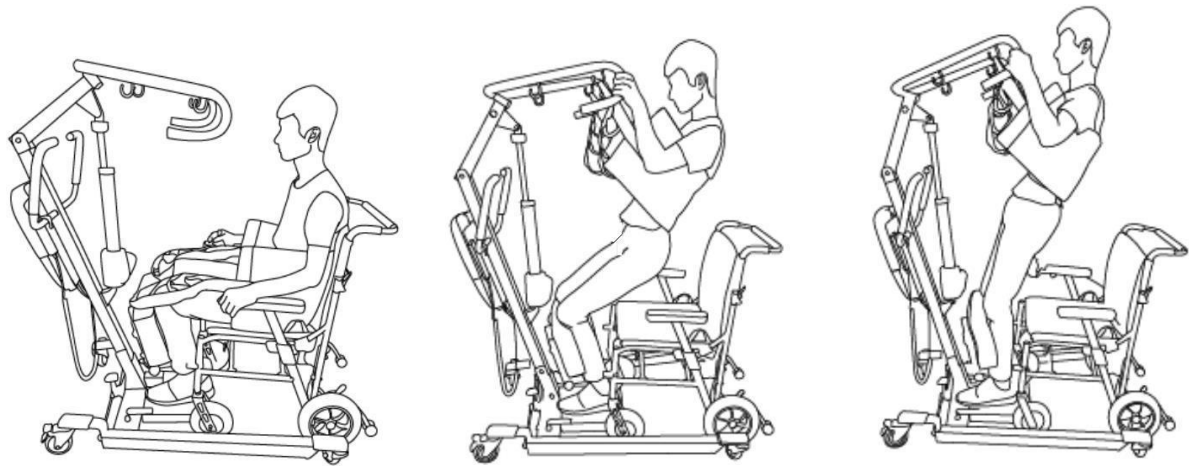
Wheelchair/Toilet Seat



When in use, the waist tube, pedal knee pad assembly with standing shift function and the front lifting pipe hanger assembly with conventional shift function cannot be installed on the shift machine simultaneously.

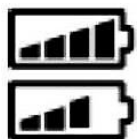
When using the standing shift function, remove the front lifter hanger assembly from the shift machine.

(The sling should choose the right gear according to the user's figure)



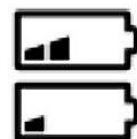
VI. Battery Charging

1. When the battery power is only 1 bar left, the control box will alarm 4 continuous beeps, prompting to charge immediately. If not charged, the motor will not work .



100%

75%



50%

25%

2. Battery charging

When the battery beeps, turn off the emergency stop button, plug in the power supply and charge. Full charge is the display of four grids of power, the control box on the LED light no longer flashing.

NOTES:

- 1) When charging, please turn off the emergency stop button to recharge
- 2) When the shift machine is not in use for a long time, remove the control box and place it in a cool and dry place. Charge it once every month;
- 3) Do not charge in a humid environment;
- 4) If the shift machine is not used every day, it is strongly recommended to turn off the emergency stop button, which can disconnect the current and save the battery power.

VII. Maintenance

For safe operation, please check and test before use.

1. Check that the screws and fixing nuts on the boom are tight;
2. Check control handle, lift and width adjustment movement;
3. Check the emergency drop function(electric and manual);
4. Check that the safety hook on the boom is normal.

Attention! Chemical substances containing phenol and chlorine should not be used to wipe the shift machine, which will damage the plastic powder and plastic materials.

Transportation and Storage

When the device is not used for a long time, press the stop button. Storage ambient temperature above 0°C, normal relative humidity ($\leq 60\%$)

Inspect

Have a complete checkup at least once a year. Pay special attention to areas where wear occurs, such as joints, bolts, etc.

VIII. Trouble Shooting

Couldn't lift or land	<ol style="list-style-type: none">1. Check whether the emergency stop button is pressed2. Check whether the wire of is connected correctly3. Check battery power4. Check whether the battery contact panel has problems or damages5. If the electric shift machine is not working, please contact the after-sales service
Charging failure	<ol style="list-style-type: none">1. Check whether the charger is plugged into the socket2. Check the battery contact panel for problems or damage3. If the charger still does not charge, please contact after-sales service
It stops while lifting	<ol style="list-style-type: none">1. Check whether the emergency stop button is pressed2. Use an emergency descent device3. If the electric shift machine is not working, please contact the after-sales service.

IX. Warranty

Date from you get the lifting machine

1. The control box shall be replaced within six months and guaranteed within one year.
2. The battery shall be replaced if its capacity is less than 60% of the rated capacity within half a year.
3. The rest parts are provided for free maintenance.
4. Wheels, foot MATS and plastic parts (wearing parts) are not within the warranty period. If they are damaged during use, please contact the dealer.
5. If there are batch quality problems, the company is responsible for sending someone to repair or recall them.
6. Paid service will be available after one year

The warranty not cover :

1. Not properly used in accordance with the instructions
2. Not using parts manufactured by the Company
3. Parts are damaged due to accidents.
4. Consumable goods are not included in the warranty scope, refer to wheels, sling, etc.
5. Unauthorized modification of device Settings is not allowed.
6. Typhoons, floods, earthquakes and other natural disasters

User's Name:	
Address:	
Contact number:	
Product Name:	
Bar code:	
Date of purchase:	
Contact of dealer	

**Note: the buyer is requested to register the warranty with the dealer within one month.
This card is sealed by the dealer or manufacturer.**

X. Maintenance Record

Maintenance record			
Date	Problems	Causes	Note