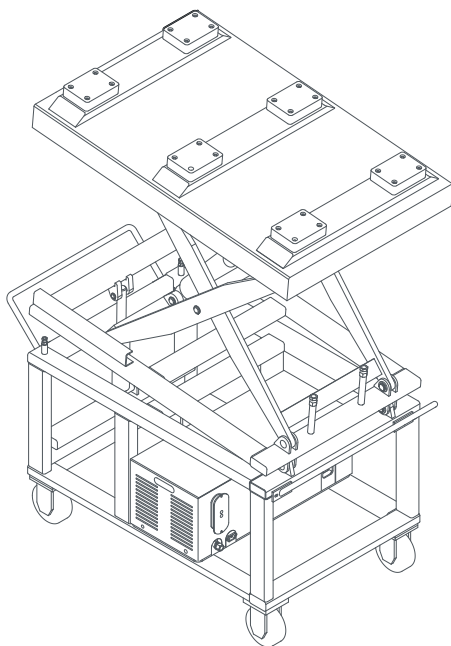


EVP 501

Battery Pack Removal Lift



User Manual

EVP 501

Battery Pack Removal Lift

Applications and Features

EVP501 is an ideal choice for disassembling and assembling the power battery of new energy vehicles. It can be used flexibly in the workshop and is applicable to the repair and maintenance of new energy vehicle power batteries of less than 1.5 tons and other work.

Specifications

Lifting weight	1500kg
Table top size	1245×800mm
Maximum height	1785mm
Minimum height	1150mm
Lifting height	700mm
Lifting time	60s
Rated voltage	220V(Charger voltage)
Power Rating	1.6kw
Drive method	12V(electric hydraulic)



Structure

Evp501 new energy vehicle battery pack disassembly and assembly hoist is composed of under-frame assembly, upper and lower inner and outer shear arm assemblies, panel assembly, side sliding panel assembly, hydraulic mechanism and pneumatic pump, and the electric pump station is fixed on the under-frame assembly. The design is flexible and easy to use. The use of electro-hydraulic drive is not only safe and reliable, but also easy to move and operate.

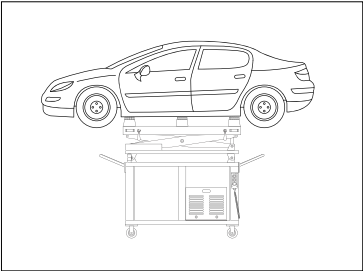
Installation

Before installation, you should read the instruction manual carefully and figure out the principle of machine structure, then follow the steps below.

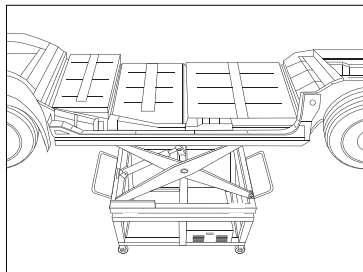
- Fill the power unit tank fill port with 4 liters of 46# anti-wear hydraulic oil (factory filled).
- Start the motor, after the lifter rises to the proper height.
- Lubricate the connecting shaft as well as the moving part of the shear arm, and lift it twice to ensure smoothness before use.
- This machine adopts 12V battery and motor driven hydraulic system, after the 12V battery of the lifter is used up, it needs to charge the battery. Since this machine is equipped with a charging system, you can directly plug in the charging wire to charge the battery of this machine.

Usage

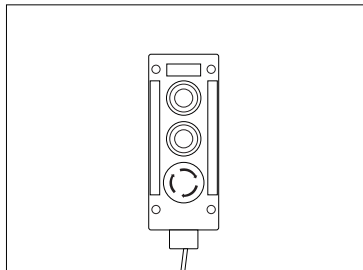
- ① Lower the lift to the lowest height and push under the car that has been lifted to working height.



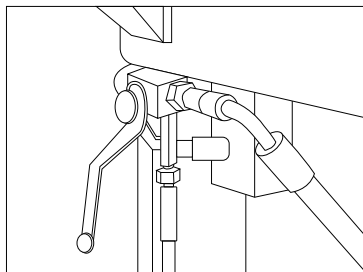
- ② Align it with the weight-bearing part of the car battery to facilitate smoothness.



- ③ Press the rising button, the pump station rotates, the upper oil cylinder moves, the shear arm rises randomly, and the side sliding panel rises to the working position. Pay attention to whether the supporting parts of the automobile battery are reliable and whether the automobile is kept in a horizontal state. The operation can be continued only after confirmation.



- ④ Switch the reversing valve, press the rising button, the pump station rotates and the lower cylinder moves. The shear arm randomly rises into a tilt angle.



- ⑤ Press the down button, the body descends to the lowest height with the cylinder.

Packing list

Components of complete machine	1set
Accessory box	1pc

Precautions

-  Prohibit overload work, when lifting sound abnormal or can not start, should stop working, identify the causes, troubleshooting, before continuing to use.
-  Grease the parts that need to be greased regularly.
-  The hydraulic oil should be replaced after three months of equipment operation, and once a year thereafter.

Safety instructions

 **WARNING**  **DANGEROUS:** When you find the following irregularities in the equipment, please immediately terminate the operation and disconnect the power cord, and contact THINKCAR service department immediately for maintenance. Otherwise, it will cause fire or potential electric shock to the operator.

- Abnormal equipment operation.
- The operation of the equipment produces abnormal noise, odor, smoke or flash.
- High temperature or electric shock from the equipment during operation.
- Damaged power cord, power switch or power outlet.
- Impurities or liquids flow into the equipment.



Warning:

This machine uses 12V voltage system, it is forbidden to select 24V voltage for charging this machine!

THINKCAR
LEADING TECH IN DIAGNOSTICS

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