VEVOR

Upgrade · The Home Creator Way

Electric Hydraulic Jack(Kits)

MODEL:ZSY01-2 or ZSY01-3(Jack)
ZSB02(Electric Wrench)

VEVOR Support Center

ZSY01-2 + ZSB02

ZSY01-3 + ZSB02

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<Picture Only For Reference >

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



WARNING: Read and understand this entire manual before operating or servicing this product. Failure to follow these warnings and instructions can cause personal injury or damage to valuable property.

FCC Information:

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This product may cause harmful interference.

2)This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party.responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation.

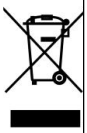
This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception,which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

· Reorient or relocate the receiving antenna.

· Increase the distance between the product and receiver.

· Connect the product to an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for assistance.

	**CORERECT DISPOSAL** This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

GENERAL

(1) The product complies with relevant standards and regulations.Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.

(2) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

(3) Children shall not play with the appliance.

(4) This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.

(5) Please properly keep product. Check whether the product is abnormal before use.If it is abnormal, please stop using it.

(6) Please use the product according to the intended use, warn of potential injury from misuse.

SAFETY WARNINGS

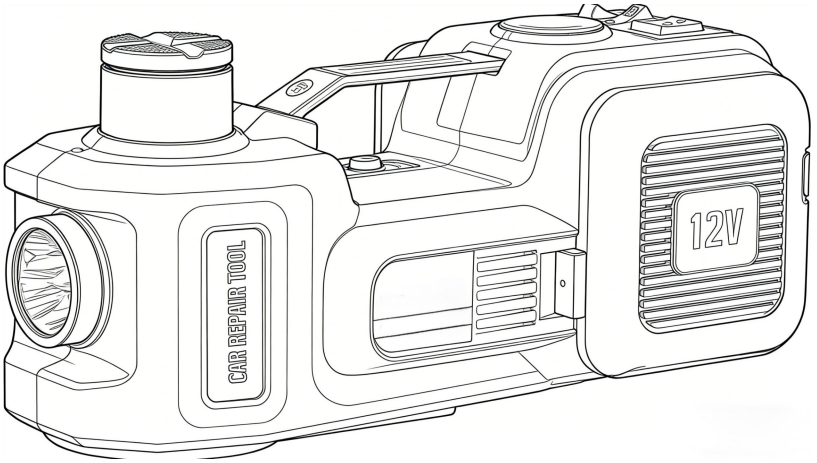
- The product complies with BS EN 1494 standards and regulations. Installation of this device must comply with all applicable regulations, and only using the jackon level ground and where to place thejack for safe lifting. Please read the user manual before installing and using this equipment.
- It is forbidden to lift peopleor animals
- It is not allowed to work under theraised load until it is secured by suitable means

- No modifications shall be carried outwhich adversely affect the complianceof the jack with this standard.
- Only using the jackon level ground .
- If the jack is damaged, it must be maintenance and repair by the manufacturer or its service agent.
- The product is not waterproof, must not be immersed.
- The material of the cover is plastic, which is easy to break, please handle it with care when using. Then if carrying it, please with the handle, NOT lifting the pressure rod.
- Do not overhaul the machine to avoid destroying the machine.
- Do not work for long time. When not using, please cut off the power.
- Avoid the machine dropping into the water and using in the bad condition.
- Check the power to match well with DC 12V/15A Car Cigarette Lighter before using.
- Take notice of the smooth floor and loading capacity when using, also pay attention to finding the exact loading position of the car before the operation of lifting.
- Do not overload when using the machine, make sure to keep upright with the lifting car at the same time, never operate it aslant.
- Do not pull the power cable casually when using, avoid the cable broken or short circuit.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- In the process of using the machine, ensure the operator stay with it all time, in case the operator have to leave for a short while, please shut off the machine first.
- After lifting the vehicle, use a compliant permanent support stand to secure it before changing the tire. **Never access the area under the vehicle.**
- The machine adopts the power of precise hydraulic oil, please keep the adequate ventilation, avoid doing it in the environment of high temperature and rather low temperature, while the suitable temperature should be from -15℃ to 50℃.
- To reduce the risk of injury, close supervision is necessary when an appliance is used near children.

- Do not contact moving parts.
- Only use attachments recommended or sold by the manufacturer.
- Risk of Electric Shock. Do not expose tro rain, store indoors.
- To disconnect, turn all controls to the off position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Unplug from outlet when not in use and before servicing or cleaning.
- Do not operate the jack with a damaged cord or plug, or after the jack malfunctions or is dropped or damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair, or electrical or mechanical adjustment.
- To reduce the risk of electrical shock, do not put the jack in water or other liquid. Do not place or store appliance where it can fall or be pulled into a tub or sink.

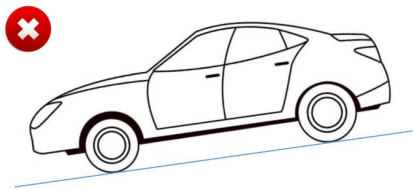
SAVE THESE INSTRUCTIONS

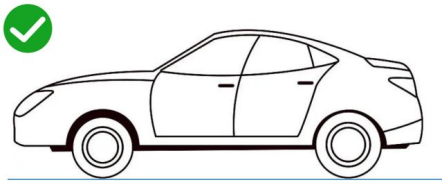
ELECTRIC HYDRAULIC JACK INSTRUCTIONS



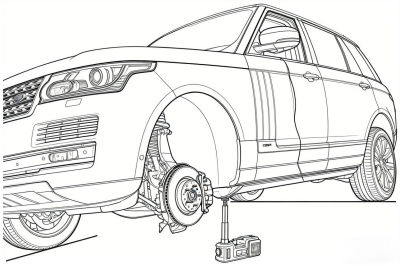
WARNING FOR USE

- It can only be used for car maintenance, not for other purposes.
- Only suitable for lifting on horizontal hard surfaces.
- Ensure the vehicle is properly parked, the engine is turned off, and the parking brake is fully engaged.



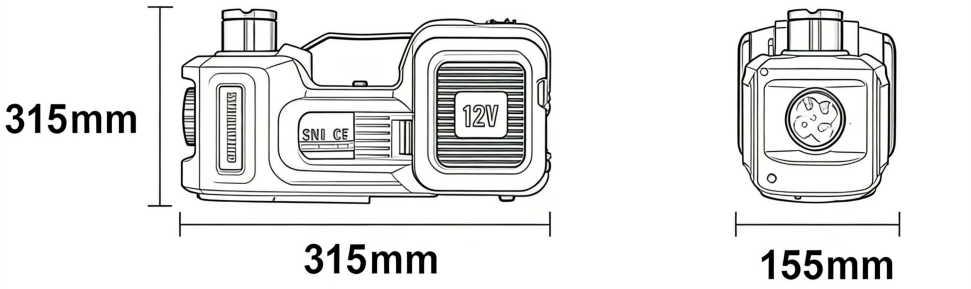


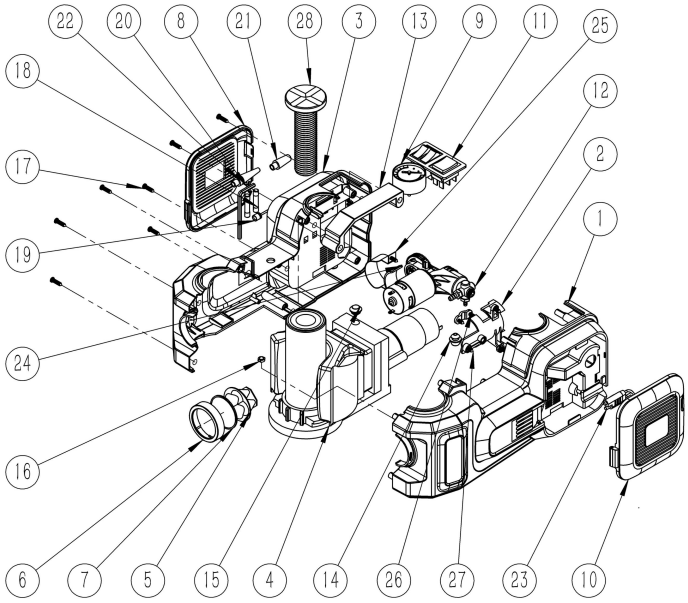
CAUTION: The maximum lifted weight of the vehicle (including its own weight) shall not exceed 5 tons!



CAUTION:Only support the single wheel off the ground to use!

STRUCTURAL DIAGRAM

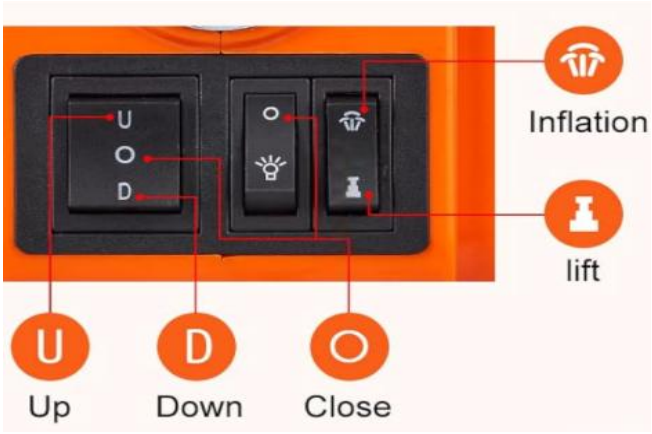




Item	Part Name	QTY	Item	Part Name	QTY
1	Housing 1	1	**15**	Rubber Plug	1
2	Air Pump Mounting Bracket	1	**16**	LED Light	1
3	Housing 2	1	**17**	M4x16 Screws	8
4	Hydraulic Main Body	1	**18**	Fuses	2
5	Work Light	1	**19**	Ball Needle Air Chuck	1
6	Light Cover	1	**20**	4mm Hex Key	1
7	Lens	1	**21**	Presta Valve Short Grommet	1
8	Door Cover 1	1	**22**	Presta Valve Long Grommet	1
9	Air Pressure Gauge	1	**23**	Wired Power Plug	1
10	Door Cover 2	1	**24**	Square Rubber Pad	1
11	Mechanical Switch	1	**25**	Hoop Clamp	1
12	Air Pump	1	**26**	Cable Clip	1
13	Handle	1	**27**	M4x12 Mounting Screws	7
14	Rubber Feet	2	**28**	Jack Head	1

Part of the Function Description		
No.	**Name**	**Function description**
9	Pressure Gauge	Show the pressure
11	Switches	Please check Diagram 3
13	Handle	If moving the jack, please hold here
14	Rubber Foot	Shock proof and Anti-skidding
15	Rubber Plug and Safety Valve	Unlock the piston rod in emergency
28	Adjusting Screw	Adjust the distance of the piston rod and automobile chassis

SWITCHES FUNCTION



1. Switch to "Inflation" **when using the Inflation function.**

2. Switch to "Lift" **when using the lift function, At this time, long-press "U" , the jack up; long-press "D" the jack down.**

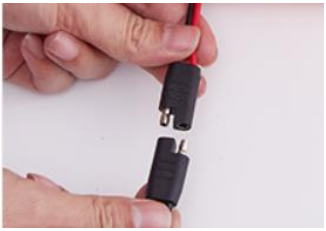
3. Switch to " **", the lamp lit up.**

APPLICATION METHOD

The Jack Function:

(1) Stop the car, tension the car brake.

(2) Check the switch whether it is to the **"Lift"** position, if no, please do it so first, then connect the power plug into the car cigarette lighter. **Otherwise, once the power is connected, the air pump will start immediately.**





(3) Put the jack in the side of car tyre, and ensure the centre of piston rod to align the loading part of automobile chassis, then rotate the adjusting screw to make it close to the automobile chassis as far as possible.

(4) Switch to “Lift”, long-press switch “Up” , then the jack will start to work(lift), till the distance between the car tyre and the floor is about 5cm, release the power switch, while the power is disconnected, the machine would lock automatically and wouldn’t fall. **Then use safety brackets to support the vehicle.**

(5) After changing the tyre, long-press switch“Down” , the jack would start to fall in a constant rate.

(6) Finish all, please collect the cables and tools in the line winding box.

Inflation Function:

(1) Prepare for the equipment well, pull out the air hose and choose the suitable inflatable head to connect, then turn on the power.

(2) Switch to “Inflation” , then it would start to inflate, please check the change of the pressure gauge.

(3) If finishing, please close the power first, then pull out the inflatable head to collect in the tool box. Later also pull out the plug from the cigarette lighter,then collect the cables into the tool box.

SPECIFICATION

For Jack

Model	ZSY01-2	ZSY01-3
Input Voltage	DC12V	DC12V
Max Input Power:	180W	180W
Capacity	1.8t	1.8t
Normal Lifting Range	155-360mm	155-360mm
Higher Lifting Range	155-450mm	155-450mm
Extra Lifting Range	/	235-530mm **(When you use the extension rod)**

For Inflator Pump

Input Voltage	DC12V
Max Input Power:	180W
Rating Pressure	36psi/2.5bar
Max Pressure	150psi
Max flow	21.67L/min

FAULT DIAGNOSIS

1. The Jack couldn't work

a). Check whether turning on the auto power.

b). Inspect whether the function switch is adjusted to the relevant function position.

c).The pilot lamp for the cigarette lighter plug is lighted or not, if not, please re-connect the plug; if re-connecting it, still no lighting, please check whether the inside fuse of the cigarette lighter plug is destroyed.

d). Whether the plug for the power cable of jack is loosen with the jack or falling off.

The socket is no electric or loosen, or check the cable, please connect the power correctly;

If the power switch is in the position of “  **” , please adjust the switch to “**  **”; Check the plug of cigarette lighter, whether the fuse is destroyed, if it is destroyed, please replace it, then try again.**

2. Not Inflating

a).Check whether starting the inflator pump.

b). Whether the gas nozzle of air hose is rightly connected with tyre gas nozzle.

c). inspect the air hose whether leaking air because of being destroyed in emergency.

3. The Jack piston rod couldn’t be risen

a). Confirm whether starting the motor.

b). Whether the function switch is adjusted to the JACK function position, and also check the direction switch for “Up”/“Down”

c). Check whether the lowest temperature is within the range of suitable temperature for this product, if not, please preheating the jack first, making the hydraulic oil thaw, then using it.

d). Not using for long time maybe cause the oil is not smooth, please first press “Down” switch for starting one minute, then press “Up” switch.

4. The Jack piston rod couldn’t be fallen

a). Confirm whether starting the motor.

b).Whether the function switch is adjusted to the JACK function position, and also check the direction switch for “Up”/“Down”

c). Not using for long time maybe cause the oil is not smooth, please first press“Up”switch for starting five seconds ,then press “Down”switch.

After trying the above measures, the jack piston rod can not be dropped, remove the head of safety valve (See picture below), loose the safety valve with six-angle spanner(rotate about half circle by anticlockwise) till the piston rod falls to the prior position, then tightening it.

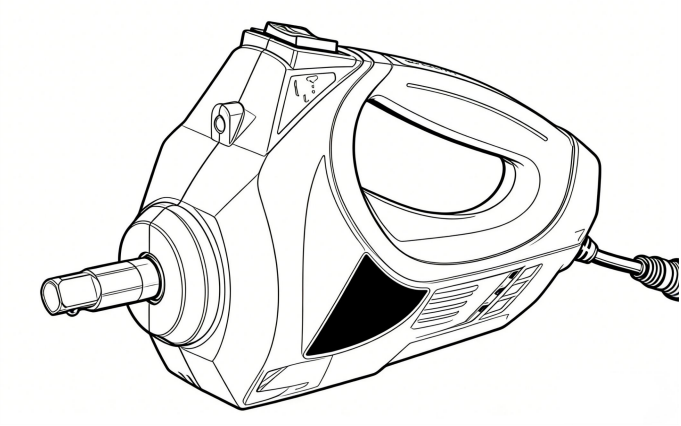
⚠Warning

When loosening the safety valve, be sure to pay attention to the car tire has been completely replaced, and to slowly loosen counterclockwise and avoid too fast, always pay attention to the car down, to avoid being pressured by the car.

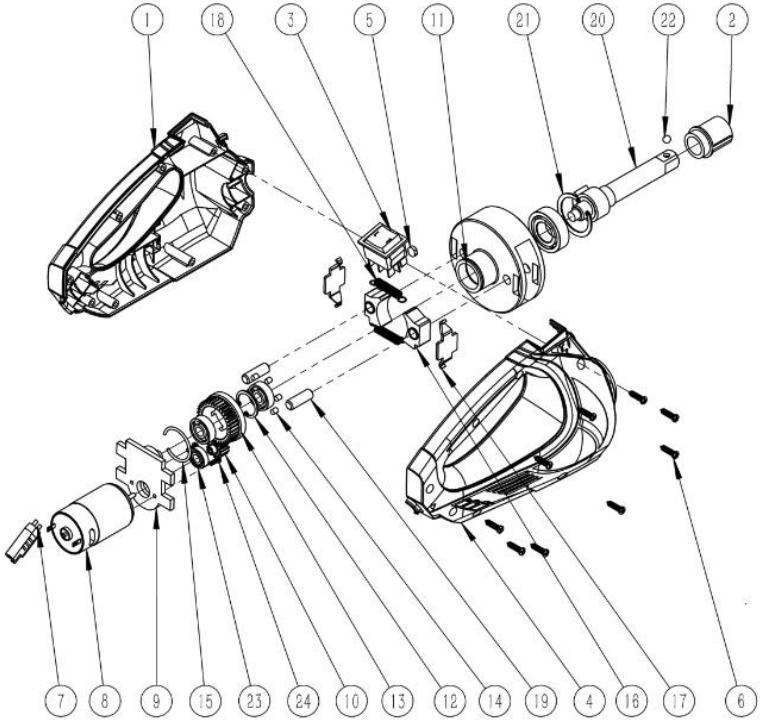


SCAN THE OR CODE TO VIEW THE INSTALLATION VIDEO

Electric Impact Wrench (ZSB02)



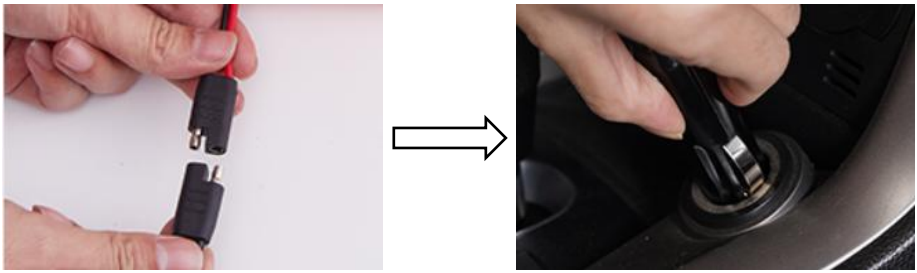
STRUCTURAL DIAGRAM



Item No.	Part Name	QTY.	Item No.	Part Name	QTY.
1	Wrench Housing	1	**13**	Gear	1
2	Bushing	2	**14**	Polyurethane Rod	6
3	Switch	1	**15**	Circular Retaining Ring	1
4	Wrench Housing	1	**16**	Flywheel Centrifugal Weight	2
5	LED Light	1	**17**	Centrifugal Weight Spring Retaining Plate	2
6	Mounting Screw	9	**18**	Tension Spring	2
7	Power Receptacle Plug	1	**19**	Pin	2
8	Motor	1	**20**	Wrench Output Shaft	1
9	Motor Mounting Bracket	1	**21**	Retaining Ring	1
10	Gear	1	**22**	Steel Ball	1
11	Ratchet	1	**23**	Bearing	4
12	Retaining Ring	1	**24**	Secrws	2

OPERATION

1. Turn on the power of the car.
2. Plug into cigarette lighter or connect with the car's battery.
3. Choose the proper socket to the wrench's shaft.(FIG.1)
4. According to thread direction, press switch for tightening or loosening. **(Do the reverse for Left hand screw) (FIG.2)**
5. Press left side of the switch (with mark “L”) to start operation, and each nut will be loosened after three or fourth times of “clatter" sound.



Note: If the wrench pins with out impacting. Please start engine for maximum voltage and long-press the switch until you can hear “clatter" sound.

6.Press right side of switch (with mark “T”) to tighten nuts, it will be tight enough after three or fourth times of “clatter” sound.

OPERATION CHART

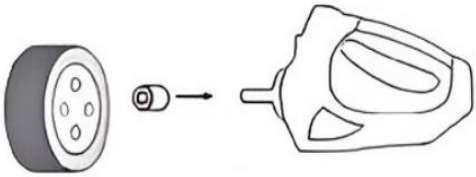


FIG.1

Choose and appl Socket ocket to the wrench head.

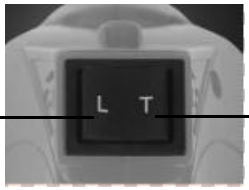


FIG.2

Apply the wrench to wheel nut and Press the Upper side of the switch (with mark "L") to start .Nut will be loosened.

HOW TO REPLACE THE FUSE IN THE 12V PLUG

1. To replace the fuse in the plug, twist off the upper cover.
2. Remove the faulty fuse and insert a new one.

3. Twist the cover back on the plug. two spare fuses is enclosed in the case.



⚠Cautions

1. This tool can only be applied to DC12v Power.
2. Do not use the tool continuously more than 10 minutes.
3. Do not touch the shaft head with hand during operation.
4. When using the clips to car's battery, please make sure to connect clips to correct terminals of the battery. Red to positive and black to negative.
5. Do not use sockets not included in this kit.
6. New fuse's max current should be or less than 15A.
7. Turn off the switch 3-5 seconds after the "clatter" sound is heard.the continue the operation.
8. The manufacturer recommends checking the tightness of the wheel nuts with a wheel brace after tightening with the impact wrench.The impact wrench is only for emergency use. Use a professional torque wrench to recheck the correct torque as soon as possible.
9. The manufacturer takes no responsibility for incorrect usage of this product and the impact wrench are only designed to loosen and tighten car wheel nuts.

⚠DANGER

Risk of fatal electric shocks.
Only have repairs to the tool or the power cord carried out by a professional experience technician.

TROUBLESHOOTING

1. impact wrench will not start.

a). The pilot lamp for the cigarette lighter plug is lighted or not, if not, please re-connect the plug; if re-connecting it, still no lighting, please check whether the inside fuse of the cigarette lighter plug is destroyed.

b). Whether the plug for the power cable of wrench is loosen or not.

2. Wheel nut cannot be unscrewed or tightened.

a). Has the correct rotational direction been selected?

b). Need to long-press the switch to triggered the wrench impact function(hear the “clatter" impact sound)

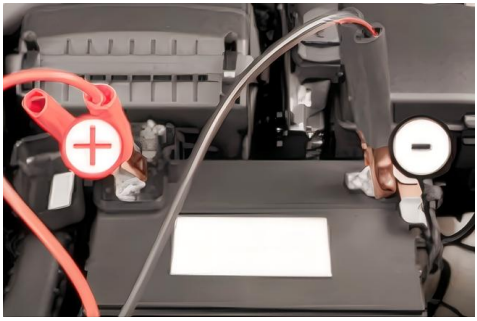
HOW TO USE POWER SUPPLY

Method 1



Insert the power cord into the cigarette lighter.

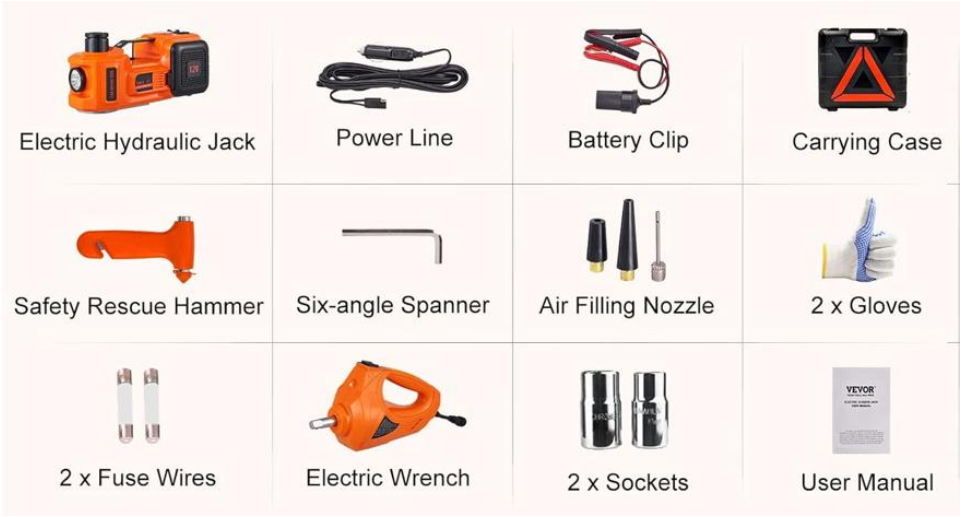
Method 2



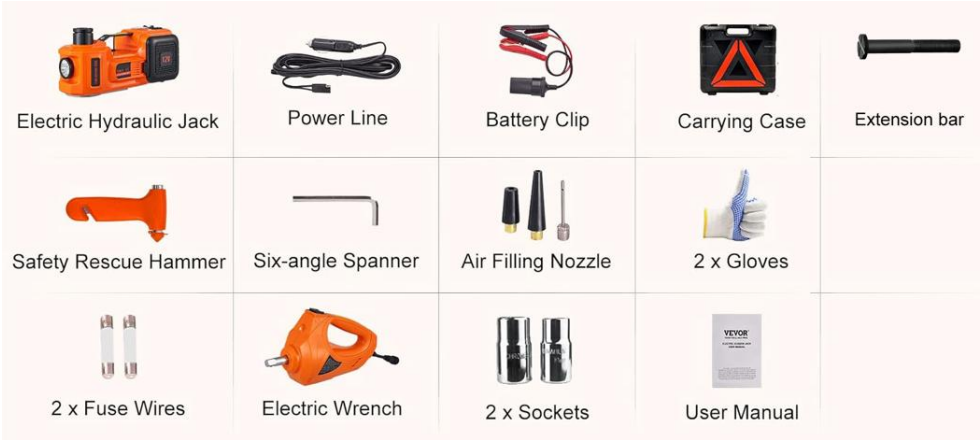
Use battery to get power

PACKAGE CONTENTS

(ZSY01-2 and ZSB02 kits)



(ZSY01-2 and ZSB02 kits)



Manufacturer: Shanghai Sishun International Trade Co., Ltd.
Address:Room JT2388, 4th Floor, Building 2, No. 599 Wanzhen Road, Zhenxin Xincun Street, Jiading District, Shanghai, China
E-mail: support@vevor.com

