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> [VEVOR Electric Car Jack, 5 Ton Hydraulic Lift with Impact Wrench and Tire Inflator \(Model ZSY01-2\)](#)

VEVOR ZSY01-2

VEVOR Electric Car Jack, 5 Ton Hydraulic Lift with Impact Wrench and Tire Inflator (Model ZSY01-2)

User Instruction Manual

1. PRODUCT OVERVIEW

The VEVOR Electric Car Jack is a versatile tool designed for vehicle lifting, tire changing, and inflation. This integrated system combines a 5-ton hydraulic jack, an electric impact wrench, and a built-in tire inflator, making it suitable for roadside emergencies and garage maintenance for various vehicles including sedans, SUVs, and trucks within its specified weight capacity.



Image 1.1: The VEVOR Electric Car Jack kit, neatly organized in its durable carrying case.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always operate the jack on a flat, stable, and non-slippery surface.

- Ensure the vehicle is in park (P) and the parking brake is engaged before lifting.
- Never exceed the maximum lifting capacity of 5 tons (11023 lbs).
- Do not place any part of your body under a vehicle supported only by the jack. Always use appropriate jack stands to support the vehicle after lifting.
- Keep hands, feet, and clothing clear of moving parts during operation.
- Do not modify the product or use it for purposes other than its intended use.
- Keep children and bystanders away from the work area.
- Ensure proper ventilation when working in enclosed spaces.
- Disconnect power when not in use or during maintenance.

2 CHOICES TO CHARGING

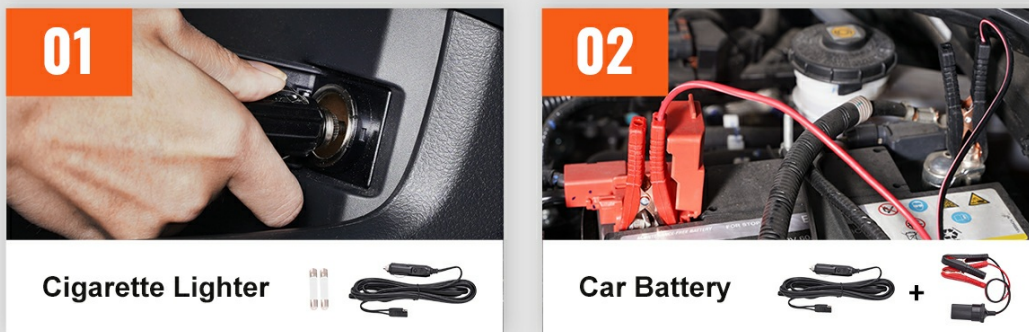


Image 2.1: The electric car jack positioned under a vehicle, highlighting the importance of simple operation and overload protection for safety.

3. WHAT'S IN THE BOX

Carefully unpack all components and ensure all items are present and undamaged.

- 1 x Electric Car Jack
- 1 x Power Cable (12ft)
- 1 x Battery Clip
- 1 x Electric Impact Wrench
- 2 x Sleeves (17/19 mm & 21/23 mm)
- 1 x Safety Rescue Hammer
- 1 x Six-angle Spanner
- 1 x Air Filling Nozzle Set (3 nozzles)
- 2 x Gloves
- 2 x Fuse Wires (12A)
- 1 x Carrying Case
- 1 x User Manual



Image 3.1: All included accessories and tools for the VEVOR Electric Car Jack system.

4. SPECIFICATIONS

Feature	Specification
Load Capacity	5 tons (11023 lbs)
Maximum Lifting Height	17.7 inches (450 mm)
Minimum Lifting Height	6.1 inches (155 mm)
Power Cable Length	13 feet (4 meters)
Power Supply	DC 12V (Car Cigarette Lighter or Car Battery)
Rated Current (Jack)	15 A
Rated Power (Jack)	180 W
Impact Wrench Max. Torque	450 N.M (±10%)
Impact Wrench Rated Power	180 W
Impact Wrench Working Current	12 A
Tire Inflator Input Voltage	DC 12V
Tire Inflator Air Flow Rate	31 ± 2 L/min
Tire Inflator Max. Pressure	10 BAR / 150 PSI
Product Dimensions (L x W x H)	14.6 x 13.4 x 6.9 inches (370 x 340 x 175 mm)
Item Weight	18 pounds (8.16 kg)

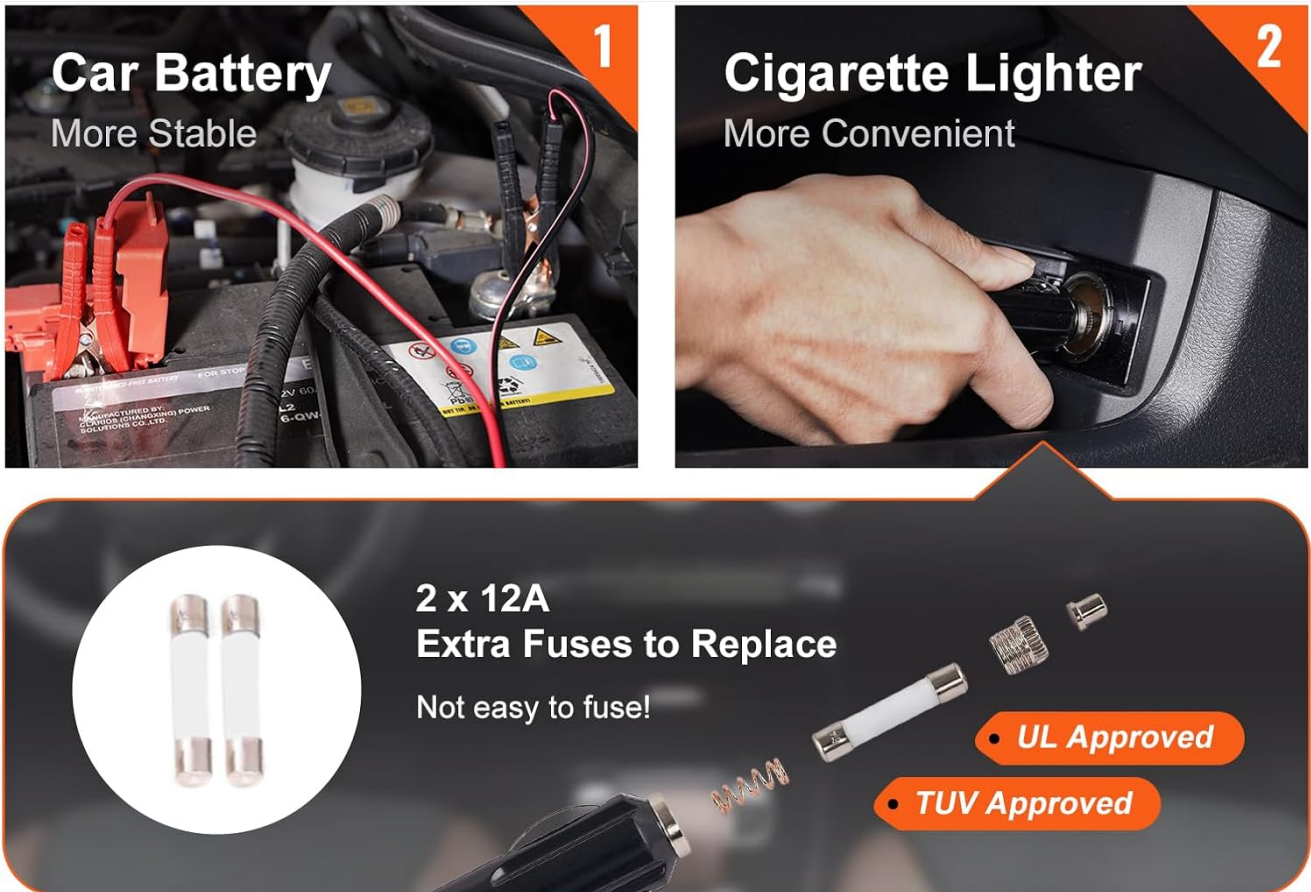
Image 4.1: Visual representation of the product dimensions and key specifications for the electric jack, wrench, and air inflator.

5. SETUP AND POWER CONNECTION

5.1 Powering the Unit

The VEVOR Electric Car Jack can be powered via two methods:

1. **Car Cigarette Lighter:** Connect the power cable to the 12V cigarette lighter socket in your vehicle.
2. **Car Battery:** Use the provided battery clips to connect directly to your car's 12V battery terminals (red clip to positive, black clip to negative). This method is generally more stable for prolonged use.



2 WAYS POWER SUPPLY

Make charging easy

Image 5.1: Illustration of connecting the electric jack to a car's cigarette lighter or directly to the car battery.

5.2 Initial Placement

Before operating, ensure the jack is placed on a firm, level surface. Position the jack directly under the vehicle's designated lifting point, ensuring the jack head makes secure contact with the vehicle's frame or jacking point. The jack must be perpendicular to the vehicle.

6. OPERATING INSTRUCTIONS

6.1 Electric Jack Operation

1. Connect the power cable to the jack and then to your chosen power source (cigarette lighter or car battery).
2. Position the jack securely under the vehicle's lifting point.
3. Press the 'U' (Up) button on the jack's control panel to raise the vehicle. The jack will automatically stop when it reaches its maximum height or if an overload is detected.
4. Once the desired height is reached, immediately place jack stands under the vehicle for safety. Never work under a vehicle supported only by the jack.
5. To lower the vehicle, ensure the area is clear, then press the 'D' (Down) button.
6. After lowering, press the 'O' (Close) button to fully retract the jack.



Image 6.1: The electric jack demonstrating its minimum and maximum lifting heights, along with the control panel for 'Up', 'Down', and 'Close' functions.

6.2 Electric Impact Wrench Operation

The electric impact wrench is designed for quick removal and tightening of lug nuts.

1. Select the appropriate sleeve (17/19 mm or 21/23 mm) for your lug nuts and attach it to the wrench's 1/2 inch

anvil.

2. Connect the impact wrench to the power cable.
3. For loosening, set the switch to the 'Loosen' position. For tightening, set it to 'Tighten'.
4. Place the sleeve onto the lug nut and press the power button. The wrench will apply torque to remove or tighten the nut.
5. After initial tightening with the impact wrench, always use a manual lug wrench to ensure lug nuts are tightened to the vehicle manufacturer's specified torque.



HIGH-EFFICIENCY IMPACT WRENCH

40 seconds to remove a tire

Image 6.2: The electric impact wrench in operation, showing the available sleeve sizes and the tighten/loosen switch.

6.3 Tire Inflator Operation

The built-in tire inflator can be used to inflate tires or other inflatable items.

1. Connect the inflator hose to the tire valve stem. Ensure a tight seal.
2. Connect the jack unit to a 12V power source.
3. Turn on the inflator switch (usually marked 'AIR' or with an inflation icon) on the jack's control panel.
4. Monitor the tire pressure gauge on the unit. Inflate to the vehicle manufacturer's recommended PSI.
5. Once the desired pressure is reached, turn off the inflator switch and disconnect the hose.
6. Use the included extra nozzles for inflating other items like sports balls or air mattresses.



BUILT-IN TIRE INFLATE PUMP

Inflate tires within minutes

Image 6.3: The tire inflator in use, displaying the precise tire pressure gauge and the various inflation nozzles.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your VEVOR Electric Car Jack.

- **Cleaning:** After each use, wipe down the jack, wrench, and accessories with a clean, dry cloth to remove dirt, grease, or moisture.
- **Storage:** Store all components neatly in the provided carrying case in a dry, cool place, away from direct sunlight and corrosive materials.
- **Cable Inspection:** Periodically inspect power cables and battery clips for any signs of damage, fraying, or corrosion. Replace if necessary.
- **Fuse Replacement:** If the unit stops working, check the fuse in the power cable. Replace it with one of the spare 12A fuses provided. Ensure the replacement fuse is of the correct rating.
- **Hydraulic Fluid:** The hydraulic system is sealed and generally does not require user maintenance. If you suspect a leak or malfunction, contact customer support.

8. TROUBLESHOOTING

If you encounter issues with your VEVOR Electric Car Jack, refer to the following common troubleshooting steps:

- **Jack not lifting/operating:**

- Check power connection: Ensure the power cable is securely connected to both the jack and the 12V power source (cigarette lighter or battery).
- Verify power source: Confirm the vehicle's 12V outlet or battery is providing power.
- Check fuse: Inspect the fuse in the power cable. Replace if blown with a 12A fuse.
- Overload protection: Ensure the vehicle weight does not exceed the 5-ton capacity.

- **Jack not lowering:**

- Ensure the 'D' (Down) button is pressed firmly.
- Check for obstructions under the jack or vehicle.
- If the jack is stuck, gently apply downward pressure to the vehicle while pressing the 'D' button (only if safe to do so and vehicle is supported by jack stands).

- **Impact wrench not working/spinning:**

- Ensure the power cable is securely connected.
- Verify the correct sleeve is attached and properly seated.
- Check the direction switch (tighten/loosen) is correctly set.
- Confirm the lug nut is not seized. Manual loosening with a breaker bar may be required first.

- **Tire inflator not working/inflating:**

- Check power connection and fuse.
- Ensure the inflator hose is securely attached to the tire valve stem without leaks.
- Verify the inflator switch is turned on.

If problems persist after following these steps, please contact VEVOR customer support for assistance.

9. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For warranty information, product registration, or technical support, please refer to the official VEVOR website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information: Please visit the official VEVOR website for the most up-to-date contact details and support resources.

10. IMPORTANT NOTE ON VIDEOS

The provided product data indicated the presence of videos; however, specific embeddable URLs (e.g., m3u8 format) and creator type information were not available. Therefore, no instructional videos could be embedded in this manual. For visual guides, please refer to the official VEVOR product page or support channels.