

VEVOR TY-01LEJ

VEVOR Electric Hydraulic Car Jack (Model TY-01LEJ) - User Manual

For safe and efficient vehicle lifting

1. INTRODUCTION

This manual provides comprehensive instructions for the VEVOR Electric Hydraulic Car Jack, Model TY-01LEJ. Please read and understand all safety warnings, instructions, and specifications before operating this product. Retain this manual for future reference.

The VEVOR Electric Hydraulic Car Jack is designed for lifting vehicles up to 5 tons (11000 lbs) for tire changes and minor under-vehicle maintenance. It features a cordless design, remote control operation, and integrated LED lighting for convenience and safety.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions may result in serious injury or property damage.

- Always operate the jack on a flat, stable, and level surface.
- Ensure the vehicle is in park (P) and the parking brake is engaged. Block the wheels that are not being lifted.
- Do not exceed the rated load capacity of 5 tons (11000 lbs).
- Position the jack head directly under the vehicle's designated lifting points. Refer to your vehicle's owner's manual for proper lifting points.
- Never work under a vehicle supported only by the jack. Always use appropriate jack stands to support the vehicle after lifting.
- Keep hands, feet, and other body parts clear of the jack and vehicle during lifting and lowering operations.
- Do not modify the jack or use it for purposes other than its intended use.
- Keep children and bystanders away from the work area.
- If the accumulator is unused for an extended period, recharge every 2 months to maintain battery health.
- Ensure the jack is placed vertically with your vehicle.

3. PACKAGE CONTENTS

Verify that all items are present before initial use.

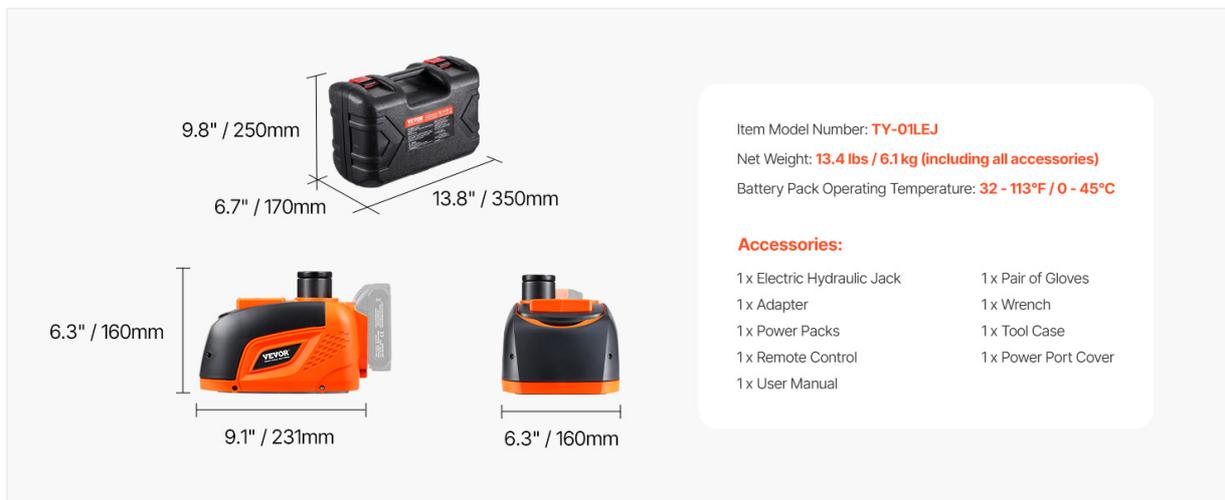


Figure 3.1: Included components of the VEVOR Electric Hydraulic Car Jack kit.

- 1 x Electric Hydraulic Jack
- 1 x AC110V-240V Adapter/Charger
- 1 x Power Pack (Lithium Battery)
- 1 x Remote Control
- 1 x Pair of Gloves
- 1 x Wrench
- 1 x Tool Case
- 1 x Power Port Cover
- 1 x User Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Model	TY-01LEJ
Load Capacity	5 Tons (11000 lbs)
Lifting Range (Hydraulic)	6.3 - 17.7 inches (160 - 450 mm)
Battery Type	2000mAh Lithium Battery
Charger Input	AC110V-240V
Remote Control Range	Over 5 meters
Material	Alloy Steel, Iron
Product Dimensions (L x W x H)	39.1 x 39.1 x 21.1 cm (approx.)
Item Weight	9.53 kg (21 lbs)
Operating Temperature (Battery Pack)	32 - 113°F (0 - 45°C)



Figure 4.1: Minimum and maximum lifting heights of the jack.

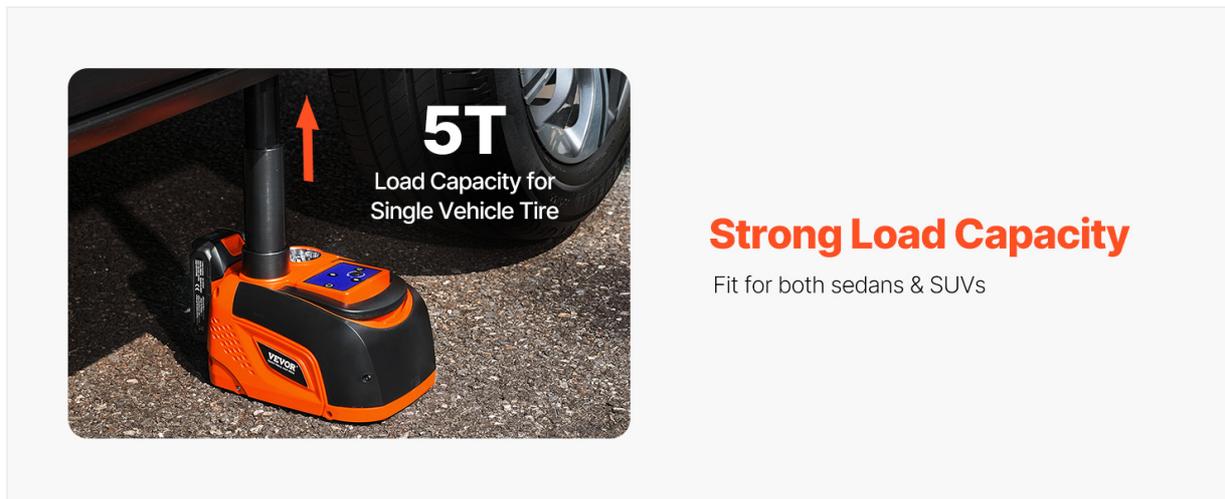


Figure 4.2: The jack is suitable for vehicles up to 5 tons, including sedans and SUVs.

5. SETUP

- 1. Charge the Battery:** Before first use, fully charge the lithium battery using the provided AC adapter. Connect the adapter to the jack's charging port and plug it into a standard wall outlet. The charging indicator will show the charging status. A full charge allows for approximately 10 lifts.

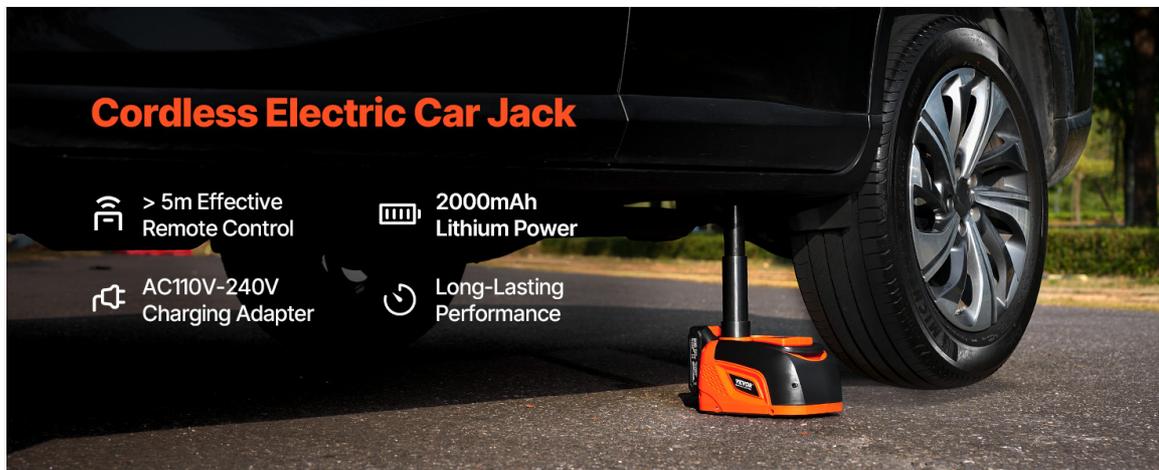


Figure 5.1: The jack's cordless power supply, including the 2000mAh lithium battery and AC110V-240V fast charger.

- 2. Prepare the Vehicle:** Park the vehicle on a firm, level surface. Engage the parking brake and place the transmission in "Park" (automatic) or a low gear (manual). Block the wheels that will remain on the ground to prevent accidental movement.

3. **Locate Lifting Point:** Consult your vehicle's owner's manual to identify the correct lifting points for the jack. Improper placement can damage the vehicle or cause instability.
4. **Position the Jack:** Place the jack directly under the designated lifting point. Ensure the non-slip saddle on the jack head is centered and securely contacting the vehicle's lifting point. The jack must be placed vertically.



Figure 5.2: Proper placement of the electric hydraulic car jack under a vehicle.

6. OPERATING INSTRUCTIONS

6.1 Lifting the Vehicle

1. Ensure the jack is correctly positioned and the area is clear of obstructions and personnel.
2. Press the "Up" button on the jack's control panel or the remote control to begin lifting. The jack will extend, raising the vehicle.

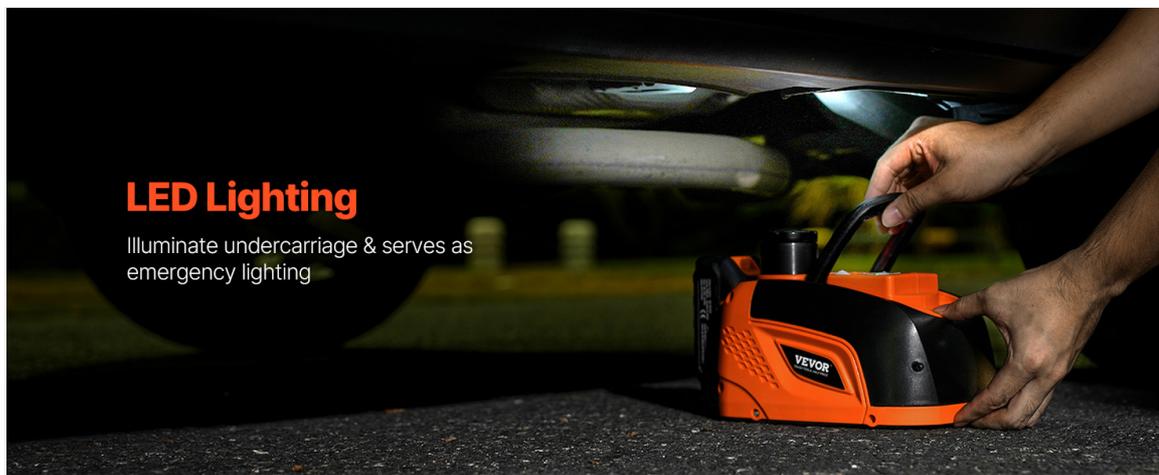


Figure 6.1: Operating the jack using the wireless remote control from a distance of over 5 meters.

3. Monitor the lifting process. Stop lifting once the vehicle reaches the desired height, ensuring it is stable. The jack has a maximum lifting height of 17.7 inches (450 mm).
4. Once the vehicle is lifted, immediately place appropriate jack stands under the vehicle's frame at designated support points. **Never rely solely on the jack for support.**

6.2 Lowering the Vehicle

1. Ensure the work area is clear.
2. Slightly lift the vehicle with the jack to relieve pressure on the jack stands, then carefully remove the jack stands.
3. Press the "Down" button on the jack's control panel or the remote control to slowly lower the vehicle.
4. Once the vehicle is fully lowered and resting on its wheels, remove the jack.

6.3 Using the LED Light

The jack is equipped with an LED light for illumination in low-light conditions. Press the light button on the jack's control panel to turn the LED light on or off. This is useful for emergency tire changes at night.

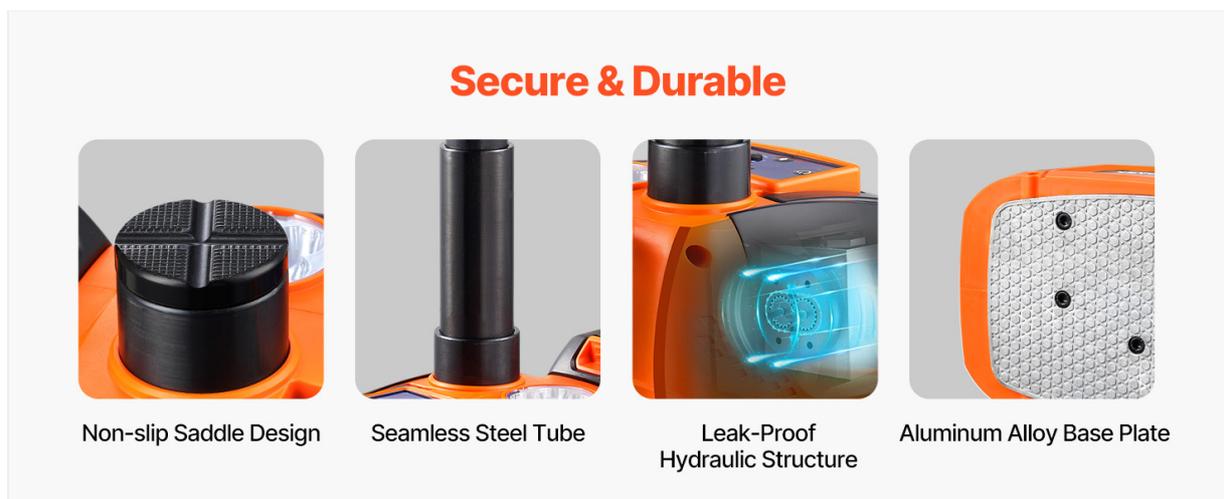


Figure 6.2: Key features of the jack, including the integrated LED lighting for visibility.

7. MAINTENANCE

- **Cleaning:** After each use, wipe down the jack with a clean, dry cloth to remove dirt, grease, and moisture.
- **Storage:** Store the jack in its original tool case in a dry, clean, and secure location, away from direct sunlight and extreme temperatures.
- **Battery Care:** If the battery is not used for an extended period (more than 2 months), recharge it to maintain

its capacity and lifespan.

- **Inspection:** Periodically inspect the jack for any signs of damage, wear, or leaks. Do not use a damaged jack.
- **Lubrication:** The hydraulic system is sealed and generally does not require user lubrication. If you suspect an issue, contact qualified service personnel.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack does not lift or lifts slowly.	Low battery charge. Overload. Air in hydraulic system.	Recharge the battery. Ensure vehicle weight is within 5-ton limit. Contact service for hydraulic system bleeding if necessary.
Jack lowers unexpectedly.	Hydraulic leak. Release valve not fully closed.	Discontinue use immediately and contact service. Ensure release mechanism is fully engaged for lifting.
Remote control not working.	Remote battery dead. Out of range.	Replace remote control battery (23A type). Move closer to the jack (within 5 meters).
LED light not working.	Low main battery charge. Faulty LED.	Recharge the main battery. Contact service if issue persists.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or visit the official VEVOR website. Please have your model number (TY-01LEJ) and purchase date available when contacting support.

Manufacturer: VEVOR

Model Number: TY-01LEJ