

VEVOR 13,500 lb Electric Winch

VEVOR 13,500 lb Electric Truck Winch User Manual

Model: 13,500 lb Electric Winch

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your VEVOR 13,500 lb Electric Truck Winch. Designed for vehicle recovery, this winch offers a powerful 13,500 lb pulling capacity, a 12V DC motor, and durable synthetic rope, making it suitable for off-road, SUV, truck, and boat applications. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage.

2. SAFETY INFORMATION

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

- Always wear heavy-duty gloves when handling the winch rope and hook.
- Keep hands and body clear of the fairlead, hook, and rope during operation.
- Never exceed the rated pulling capacity of the winch.
- Avoid shock loads. Apply power smoothly.
- Ensure the vehicle battery is fully charged before winching operations.
- Inspect the winch, rope, hook, and all connections before each use for signs of wear or damage.
- Use appropriate anchor points that can withstand the pulling force.
- Do not operate the winch if the rope is frayed, kinked, or damaged.
- Keep children and bystanders at a safe distance from the winching area.
- Never use the winch to lift people or for overhead lifting.
- Always re-spool the rope neatly under tension after use.

3. PRODUCT COMPONENTS

The VEVOR 13,500 lb Electric Truck Winch package includes the following items:

- 1 x 13,500 lb Electric Winch Unit
- 1 x User Manual (this document)
- 1 x Control Box (with cable set)
- 1 x Wireless Remote Control
- 1 x Wired Remote Control
- 1 x Aluminum Fairlead
- 1 x 3/8 inch Clevis Hook
- 1 x Red Strap
- 1 x Negative Power Cable (1.8 m)
- 1 x Pack of Mounting Bolts



The VEVOR 13,500 lb Electric Truck Winch package includes the winch unit, synthetic rope, aluminum fairlead, clevis hook, wired remote control, wireless remote control, and necessary mounting hardware.

4. SPECIFICATIONS

Feature	Specification
Rated Line Pull	13,500 lbs (6100 kg)
Motor	12V DC, 6.6 HP Pure Copper Motor
Gear Ratio	265:1 (3-stage planetary gear)
Rope Type	Synthetic Rope, 12-strand braided
Rope Dimensions	3/8 inch (9.5 mm) diameter x 80 ft (24 m) length
Control Modes	Wireless and Wired Remote Control
Wireless Remote Range	65.6 ft (20 m)
Wired Remote Cable Length	9.8 ft (3 m)
IP Rating	IP55 (Dust and Splash-resistant)
Main Materials	Aluminum Alloy, Steel, Plastic
Net Weight	85.8 lbs (38.9 kg)
Product Dimensions	24 x 10 x 14 inches (610 x 254 x 356 mm)
Mounting Pattern	Universal (refer to diagram for specific hole spacing)



This diagram illustrates the winch's dimensions (21.2 x 6.3 x 11 inches) and lists all included components, such as the user manual, control box, remotes, fairlead, hook, and mounting bolts.

5. SETUP AND INSTALLATION

5.1 Mounting the Winch

The winch must be securely mounted to a flat, rigid surface capable of supporting the full rated pulling capacity. A dedicated winch mounting plate or bumper is recommended. Use the provided mounting bolts and ensure all fasteners are tightened to the manufacturer's specifications.

1. Position the winch on the mounting surface, ensuring proper alignment.
2. Mark and drill holes if necessary, matching the universal mounting pattern.
3. Secure the winch using the provided bolts, washers, and nuts.

5.2 Electrical Wiring

Connect the winch to a 12V DC vehicle battery. Ensure all connections are clean, tight, and corrosion-free. It is recommended to install an appropriate circuit breaker or fuse (not included) in the positive power line as close to the battery as possible.

1. Connect the red positive (+) cable from the winch control box to the positive (+) terminal of the vehicle battery.
2. Connect the black negative (-) cable from the winch control box to the negative (-) terminal of the vehicle battery or a suitable chassis ground.
3. Ensure the control box is mounted in a location protected from water and debris, yet accessible for remote connections.

5.3 Fairlead and Rope Installation

Install the aluminum fairlead to guide the synthetic rope smoothly and protect it from abrasion.

1. Attach the fairlead to the winch mounting plate.
2. Thread the synthetic rope through the fairlead.
3. Secure the clevis hook to the end of the rope.
4. Spool the rope onto the winch drum under light tension to ensure even winding.



Item Model Number: **SC13000**

Rated Line Pull: **13500 lbs / 6100 kg**

Control Modes: **Wireless & Wired Remote Control**

Rope Specification: **Synthetic Rope**

Diameter: **Φ0.38 in / 9.5 mm ; Length: 80 ft / 24 m**

Motor Specification: **12V DC, 6.6 HP Pure Copper Motor**

Gear Ratio: **265:1**

Main Materials: **Aluminum Alloy, Steel, Plastic**

IP Rating: **IP55**

Net Weight: **50.4 lbs / 22.84 kg**

Item Dimensions:

21.2 × 6.3 × 11 in / 537 × 160 × 280 mm (with Control Box)

Accessories:

1 x User Manual

1 x Control Box (with cable set)

1 x Wireless Remote

1 x Wired Remote

1 x Fairlead

1 × 3/8 Clevis Hook

1 x Red Strap

1 x Negative Power Cable(1.8 m)

1 x Pack of Mounting Bolts

The universal mounting pattern ensures compatibility with a wide range of vehicles, including most SUVs, pickups, and Jeeps.

6. OPERATING INSTRUCTIONS

6.1 Engaging and Disengaging the Clutch

To free-spool the rope, disengage the clutch by rotating the clutch lever. To engage the clutch for winching, rotate the lever back to the engaged position. Always ensure the clutch is fully engaged before applying power.

6.2 Using the Remote Controls

The winch can be operated using either the wired remote control or the wireless remote control.

- **Wired Remote Control:** Connect the wired remote to the control box. Press the 'IN' button to retract the rope and the 'OUT' button to extend the rope. The 9.8 ft cable allows for close-range control.
- **Wireless Remote Control:** Ensure the wireless remote has fresh batteries. Press the 'IN' button to retract and 'OUT' to extend. The wireless remote offers a range of up to 65.6 ft, allowing you to operate from a safe distance.

Fits Large SUVs, Heavy-Duty Trucks Jeeps, and Trailers

Engineered for Heavy-Duty & Extreme Conditions



Control the winch safely with the 9.8 ft wired remote for direct operation or the 65.6 ft wireless remote for increased distance and flexibility.

6.3 Winching Procedures

1. **Assess the Situation:** Determine the best anchor point and path for recovery.
2. **Prepare the Rope:** Pull out enough rope to reach the anchor point. Ensure the rope is not twisted or kinked.

3. **Secure the Anchor:** Attach the hook securely to a tree saver strap, shackle, or other appropriate anchor point. Never wrap the rope directly around an object.
4. **Clear the Area:** Ensure all personnel are clear of the winch, rope, and vehicle. Place a dampener (e.g., a heavy blanket or jacket) over the middle of the rope to absorb energy in case of breakage.
5. **Begin Winching:** Slowly apply power using the remote control. Monitor the rope and vehicle movement. Stop if any unusual sounds or movements occur.
6. **Overload Protection:** The synthetic rope features a red warning zone near its end. Do not extend the rope beyond this zone during heavy pulls to prevent overload and potential breakage.
7. **Re-spooling:** After recovery, carefully re-spool the rope onto the drum under light tension, ensuring it winds evenly.



The synthetic rope includes a red warning zone to indicate when the winch is approaching its maximum safe extension, helping to prevent overload and breakage.

7. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your winch.

- **Rope Inspection:** Regularly inspect the synthetic rope for fraying, cuts, kinks, or other damage. Replace the rope if any damage is found.
- **Hook and Fairlead:** Check the hook for deformation and ensure the safety latch operates correctly. Inspect the fairlead for any rough edges that could damage the rope.
- **Electrical Connections:** Verify that all electrical connections are clean, tight, and free from corrosion.
- **Cleaning:** Clean the winch housing with a damp cloth. Avoid using high-pressure washers directly on the winch motor or control box.
- **Storage:** When not in use, keep the winch covered to protect it from UV exposure and environmental elements.

Built for Any Terrain, Any Weather



IP55 Protection

Dust & Splash-resistant



Rustproof Body

Durable & Reliable

Built for all-weather durability, the winch features an IP55 rating for dust and splash resistance, and a rustproof alloy body, requiring minimal maintenance.

8. TROUBLESHOOTING

If you encounter issues with your VEVOR winch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Winch does not operate	No power to the winch; Loose electrical connections; Faulty remote control; Disengaged clutch.	Check battery connections and charge; Tighten all wiring connections; Test remote batteries or try wired remote; Engage clutch fully.

Problem	Possible Cause	Solution
Winch operates slowly or with reduced power	Low battery voltage; Overload; Motor overheating.	Charge vehicle battery; Reduce load or use a snatch block; Allow motor to cool down.
Remote control not working	Dead batteries (wireless); Loose connection (wired); Interference (wireless).	Replace batteries in wireless remote; Check wired remote connection; Move closer to the winch or use wired remote.
Rope is damaged or frayed	Abrasion; Overload; Improper spooling.	Replace synthetic rope immediately. Do not use a damaged rope.

If the problem persists after attempting these solutions, please contact VEVOR customer support.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your VEVOR 13,500 lb Electric Truck Winch, please refer to the warranty card included with your product or visit the official VEVOR website. Please have your model number and purchase date available when contacting support.
