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Kimpex 258024

Kimpex Portable Electric Winch User Manual

Model: 258024

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Kimpex Portable Electric Winch. Please read this manual thoroughly before using the product to ensure proper handling and to prevent injury or damage.

PRODUCT OVERVIEW

Included Components



Figure 1: Complete Kimpex Portable Electric Winch Kit

The Kimpex Portable Electric Winch kit includes the following:

- Portable Electric Winch Unit with 30ft/9m (5.4 mm gage) steel cable and hook
- Wired Remote Control
- Wireless Remote Control
- Power Battery Cables
- Hand Crank for manual operation
- Mounting Plate
- Carrying Accessories Bag

Key Features

- Strength: 2500 lbs capacity
- Winch Type: Electric
- Cable Included: Yes, heavy duty 5.4 mm gage steel cable of 30ft/9m length
- Motor: 12 V DC motor, 25 amps, 300 W input power
- Control: Remote control included (wired and wireless)
- Manual Use: Hand crank for manual operation

SAFETY INFORMATION

Always prioritize safety when operating the winch. Failure to follow these instructions can result in serious injury or property damage.

- **Read the Manual:** Understand all operating procedures and safety warnings before use.

- **Wear Protective Gear:** Always wear heavy-duty gloves and eye protection when operating the winch.
- **Inspect Before Use:** Before each use, inspect the winch, cable, hook, and all connections for signs of wear, damage, or corrosion. Do not use if any component is damaged.
- **Secure Mounting:** Ensure the winch is securely mounted to a stable, appropriate anchor point capable of withstanding the pulling force.
- **Maintain Clear Area:** Keep hands, hair, clothing, and jewelry clear of the cable, hook, and fairlead during operation. Keep bystanders at a safe distance.
- **Avoid Overloading:** Do not exceed the rated pulling capacity of 2500 lbs. Overloading can damage the winch and cause cable breakage.
- **Battery Connection:** Connect the winch directly to a 12V DC battery. Ensure correct polarity (red to positive, black to negative). Avoid short circuits.
- **Cable Care:** Do not allow the cable to kink, fray, or overlap unevenly on the drum. Always keep a minimum of 5 wraps of cable on the drum.
- **Controlled Operation:** Use short, controlled pulls. Avoid continuous operation for extended periods to prevent motor overheating. Allow the motor to cool down between pulls.
- **Never Disconnect Under Load:** Do not disconnect power or attempt to free a stuck cable while the winch is under load.
- **Use Hand Crank Safely:** When using the hand crank, ensure the motor is disengaged and the area is clear.

SETUP

Unpacking

Carefully remove all components from the packaging. Verify that all items listed in the 'Included Components' section are present and undamaged. Retain packaging for future storage or transport.

Power Connection

The Kimpex Portable Electric Winch operates on a 12V DC power source. Use the provided power battery cables to connect the winch directly to a vehicle's 12V battery or a suitable portable 12V power supply.

1. Ensure the winch is turned off and the area is clear.
2. Connect the red positive (+) cable clamp to the positive terminal of the 12V battery.
3. Connect the black negative (-) cable clamp to the negative terminal of the 12V battery.
4. Ensure connections are secure and free from corrosion.

Mounting and Placement

The portable design allows for flexible mounting. The winch can be temporarily mounted using the provided mounting plate or secured to a stable surface. Ensure the mounting point is strong enough to handle the maximum pulling force.



Figure 2: Kimpex Winch Unit - Angled View



Figure 3: Kimpex Winch Unit - Front View

OPERATING INSTRUCTIONS

Basic Operation

The winch can be operated using either the wired or wireless remote control. Both remotes typically have 'IN' (wind in) and 'OUT' (wind out) buttons.

1. Ensure the winch is securely connected to the power source and the object to be moved.
2. Confirm the cable is properly spooled on the drum and the hook is securely attached to the load.
3. Stand clear of the cable path and maintain a safe distance from the winch and load.

4. Press the 'IN' button on the remote to retract the cable and pull the load.
5. Press the 'OUT' button to extend the cable.
6. Release the button to stop the winch.

Winching Procedures

- **Anchor Point:** Always use a strong, stable anchor point for winching.
- **Cable Spooling:** Ensure the cable spools evenly and tightly on the drum. Uneven spooling can damage the cable and winch.
- **Short Pulls:** For heavy loads, use short, controlled pulls to prevent motor overheating. Allow the motor to cool down between pulls.
- **Hand Crank Use:** In case of power loss or for fine adjustments, the hand crank can be used. Ensure the motor is disengaged before using the hand crank.

MAINTENANCE

Regular maintenance will extend the life and ensure the safe operation of your Kimpex Portable Electric Winch.

- **Cable Inspection:** Regularly inspect the steel cable for frays, kinks, broken strands, or corrosion. Replace the cable immediately if any damage is found.
- **Hook Inspection:** Check the hook for deformation, cracks, or excessive wear. Ensure the safety latch operates freely.
- **Electrical Connections:** Periodically check all electrical connections for tightness and corrosion. Clean terminals as needed.
- **Cleaning:** After use, clean the winch unit with a damp cloth. Do not use harsh chemicals or immerse the unit in water.
- **Storage:** Store the winch in a dry, clean environment, preferably in its carrying accessories bag, away from direct sunlight and extreme temperatures. Ensure the cable is neatly spooled before storage.
- **Battery Care:** If using a portable battery, follow the battery manufacturer's guidelines for charging and maintenance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Winch does not operate	No power to the winch; Loose electrical connections; Dead battery; Remote control issue.	Check battery connections and charge level; Ensure remote is powered and paired (if wireless); Inspect wiring for damage.
Winch operates slowly or weakly	Low battery voltage; Overload; Motor overheating.	Recharge battery; Reduce load; Allow motor to cool down; Check for proper cable spooling.

Problem	Possible Cause	Solution
Cable jams or spools unevenly	Improper cable tension; Damaged cable; Obstruction.	Ensure constant tension during winding; Inspect cable for damage and replace if necessary; Clear any obstructions.
Motor gets hot quickly	Continuous operation; Overload.	Use shorter pulls with cooling periods; Reduce load to within rated capacity.

SPECIFICATIONS

Feature	Specification
Brand	Kimpex
Model	Portable Electric Winch
Item Model Number	258024
Strength	2500 lbs
Winch Type	Electric
Cable Type	Steel
Cable Gage	5.4 mm
Cable Length	30 ft / 9 m
Motor Voltage	12 V DC
Motor Amperage	25 Amps
Input Power	300 W
Item Weight	24.3 pounds
Product Dimensions	13.58 x 10.63 x 11.02 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Kimpex Portable Electric Winch, please contact Kimpex customer service directly or visit their official website. Please retain your purchase receipt as proof of purchase for any warranty claims.