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› CXRCY 12V Electric Winch 20000LBS User Manual

CXRCY 20000

CXRCY 12V Electric Winch 20000LBS User Manual

Model: 20000

INTRODUCTION

Thank you for choosing the CXRCY 12V Electric Winch. This manual provides essential information for the safe and effective installation, operation, and maintenance of your 20000LBS electric winch. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage.

SAFETY INFORMATION

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

- **Read the Entire Manual:** Understand all warnings, cautions, and operating procedures before using the winch.
- **Wear Protective Gear:** Always wear heavy-duty gloves, eye protection, and appropriate clothing.
- **Keep Clear:** Maintain a safe distance from the winch, cable, and hook during operation. Never step over a taut cable.
- **Inspect Before Use:** Check the winch, cable, hook, and all connections for damage or wear before each use. Do not use if damaged.
- **Secure Vehicle:** Ensure the vehicle is properly secured and the parking brake is engaged before winching.
- **Avoid Overloading:** Do not exceed the rated load capacity of the winch.
- **Use a Tree Saver Strap:** When anchoring to a tree, always use a tree saver strap to protect the tree and the winch cable.
- **Layer Cable Evenly:** Ensure the synthetic rope spools evenly onto the drum. Uneven spooling can damage the cable and winch.
- **Disconnect Power:** Always disconnect the winch from the power source when not in use or during maintenance.

PRODUCT FEATURES

The CXRCY 12V Electric Winch Model 20000 is engineered for robust performance and reliability in demanding recovery situations.

- **High-Performance Motor and Gearbox:** Equipped with a 7KW motor and a 365:1 gear ratio three-stage planetary gearbox, delivering impressive power and torque for efficient pulling and recovery. The 9.52HP motor ensures reliable performance.
- **20000 LBS Load Capacity:** Offers exceptional strength and reliability for pulling vehicles out of difficult situations or recovering heavy loads.
- **Superior Waterproof Performance:** Features an IP67 waterproof rating, allowing it to withstand tough weather conditions and ensuring reliable performance in harsh environments.
- **Wireless and Corded Control:** Provides the convenience of both wireless handheld remote control and a corded control option. The wireless remote has a control range of up to 30 meters for safe operation from a distance.
- **Versatile Design:** Specifically designed for various vehicles including ATVs, UTVs, cars, boats, trucks, jeeps, and modified vehicles, also suitable for multi-purpose utility trailers.

COMPACT DESIGN POWERFUL MOTOR

9.52HP

Power

12V DC

Voltage

3-stage Planetary Gear (Large Gear)

Gear Ratio:365/1



Image: Internal view of the winch motor and 3-stage planetary gear system, highlighting its compact and powerful design.

HIGH-STRENGTH NYLON CABLE

crafted for safe operation and avoid sudden breaking

Cable Diameter Length

0.47IN x 82FT



Image: Close-up of the high-strength synthetic nylon cable on the winch drum, showing its diameter and length specifications (0.47 inches x 82 feet).



WATERPROOF IP67



Image: Two vehicles, one in water and one in dust, illustrating the winch's IP67 waterproof capability for outdoor operation in tough weather.

PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking.

- CXRCY 20000LBS Electric Winch with Synthetic Rope
- Wired Remote Control
- Wireless Remote Controls (2 units)
- Heavy-Duty Hook
- Fairlead
- Control Box
- Mounting Hardware
- Power Cables



Image: The CXRCY 20000LBS electric winch displayed with its complete set of accessories, including wired and wireless remotes, hook, and cables.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your winch. If you are unsure about any step, consult a qualified professional.

1. Mounting the Winch

- Choose a mounting location on your vehicle that is strong enough to support the winch's maximum pulling force. A dedicated winch bumper or mounting plate is recommended.
- Ensure the mounting surface is flat and provides adequate clearance for the winch and fairlead.
- Align the winch with the mounting holes and secure it using the provided hardware. Tighten all bolts to the manufacturer's specifications.

Mounting Dimensions 10.00x6.5 In

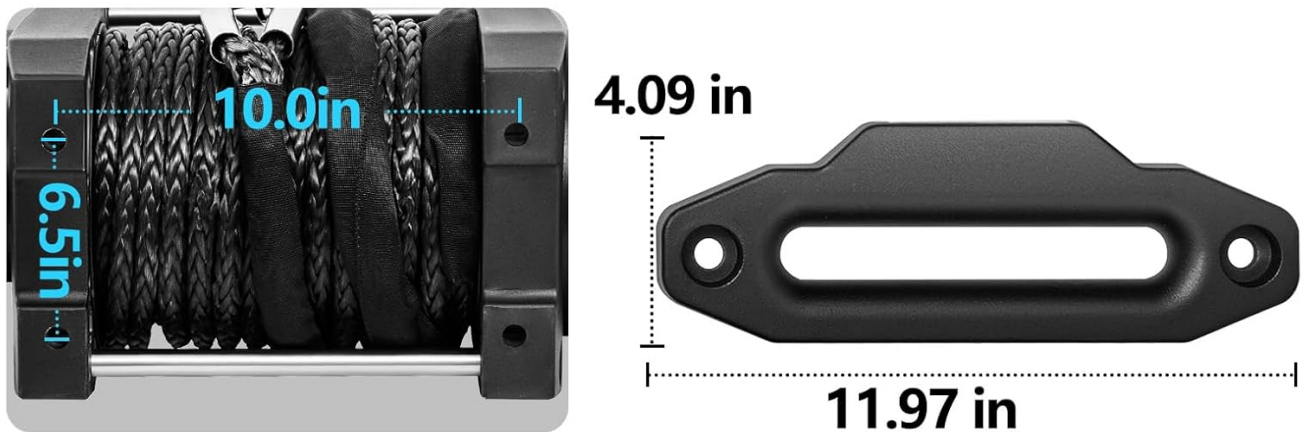
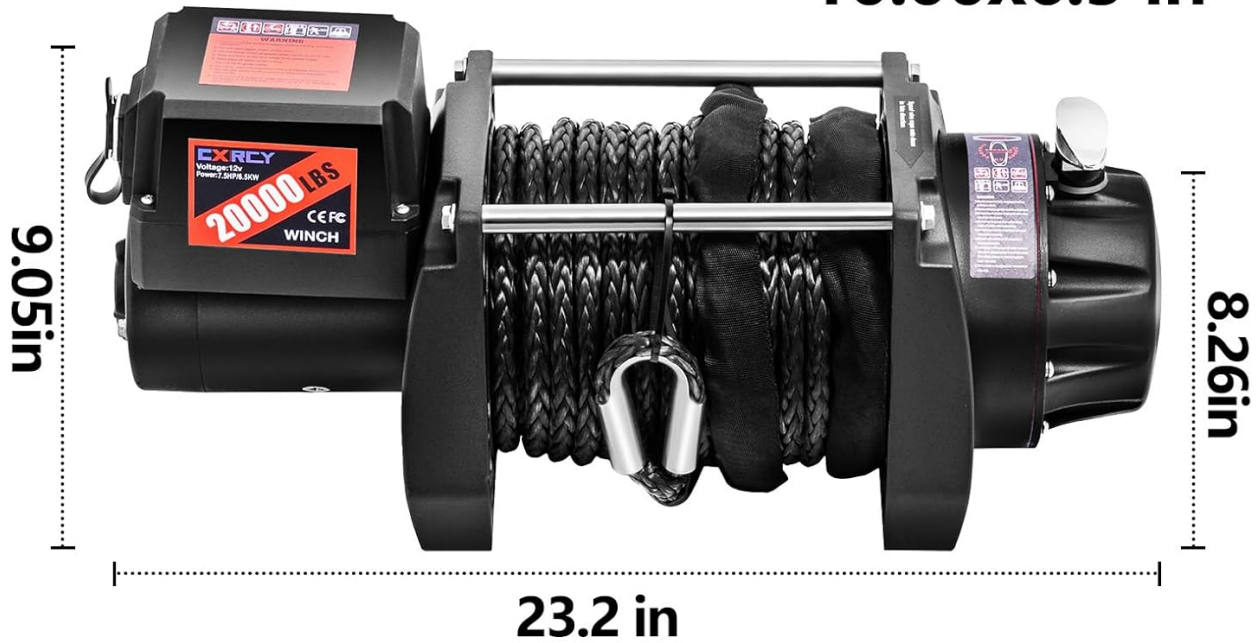


Image: Diagram illustrating the mounting dimensions of the winch, including overall dimensions (23.2 x 9.05 x 8.26 inches) and bolt pattern (10.00 x 6.5 inches).

2. Electrical Connections

- **Disconnect Battery:** Before making any electrical connections, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
- **Mount Control Box:** Securely mount the control box in a location that is protected from damage and allows for easy access to the remote control ports.
- **Connect Power Cables:** Connect the winch power cables to the control box and then to the vehicle's battery. Ensure correct polarity: red to positive (+), black to negative (-). Use appropriate gauge wiring and ensure all connections are tight and corrosion-free.
- **Reconnect Battery:** Once all electrical connections are made and secured, reconnect the negative terminal of your vehicle's battery.

3. Fairlead Installation

- Install the fairlead to the winch mounting plate or bumper. The fairlead guides the synthetic rope and protects it from abrasion.
- Ensure the fairlead is properly aligned with the winch drum to allow for smooth rope spooling.

OPERATING INSTRUCTIONS

Familiarize yourself with the winch controls and proper winching techniques before attempting a recovery.

1. General Winching Procedure

1. **Assess the Situation:** Determine the safest anchor point and the required pulling direction.
2. **Prepare the Winch:** Disengage the clutch to allow for free spooling of the synthetic rope.
3. **Attach to Anchor:** Pull out enough rope to reach your anchor point. Use a tree saver strap or a suitable anchor point. Attach the hook securely.
4. **Engage Clutch:** Re-engage the clutch to lock the drum.
5. **Tension the Rope:** Use the remote control to slowly take up any slack in the rope until it is taut.
6. **Begin Winching:** Operate the winch in short, controlled pulls. Monitor the rope and the vehicle being recovered. Avoid continuous long pulls to prevent overheating.
7. **Respool Rope:** Once the recovery is complete, carefully respool the rope onto the drum under light tension, ensuring it layers evenly.

2. Using the Remote Controls

Your winch comes with both a wired and wireless remote control for operational flexibility.

- **Wired Remote:** Connect the wired remote to the designated port on the control box. Use the 'IN' button to retract the rope and the 'OUT' button to extend it.
- **Wireless Remote:** The wireless remotes allow operation from a distance of up to 30 meters. Ensure the remote has working batteries. Press 'IN' to retract and 'OUT' to extend the rope.

WIRELESS REMOTE CONTROL

for Maximum Convenience



✓ High-precision Remote Control

✓ Manual Controller



Image: A vehicle being recovered using the wireless remote control, with an inset showing both the wired and wireless remote options.

MAINTENANCE

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

- **Inspect Rope:** Regularly inspect the synthetic rope for frays, cuts, or other damage. Replace the rope if any significant damage is found.
- **Check Electrical Connections:** Ensure all electrical connections are clean, tight, and free from corrosion. Apply dielectric grease to terminals if necessary.
- **Inspect Hardware:** Periodically check all mounting bolts and hardware for tightness.
- **Clean Winch:** Keep the winch clean from mud, dirt, and debris. Use a mild detergent and water, then dry thoroughly.
- **Lubrication:** Consult a professional for internal lubrication if needed. The gearbox is typically sealed and does not require user maintenance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your winch.

Problem	Possible Cause	Solution
Winch does not operate (no power)	Loose or corroded battery connections Blown fuse or circuit breaker Faulty remote control Dead battery in wireless remote	Check and tighten battery terminals; clean corrosion Inspect and replace fuse/reset breaker Try wired remote; check wired remote connection Replace batteries in wireless remote
Motor runs but rope does not move	Clutch disengaged Winch overloaded Damaged gearbox	Engage the clutch fully Reduce load; use a snatch block to double the line Contact CXRCY support for service
Winch operates slowly or with reduced power	Low battery voltage Undersized wiring Overheating	Check vehicle battery charge Ensure correct gauge wiring is used Allow winch to cool down; reduce load
Rope spools unevenly	Lack of tension during respooling Improper fairlead alignment	Respool rope under light tension Check fairlead alignment and adjust if necessary

SPECIFICATIONS

Key technical specifications for the CXRCY 12V Electric Winch Model 20000.

Feature	Detail
Manufacturer	CXRCY
Part Number	20000
Item Model Number	20000
Load Capacity	20000 LBS
Motor Power	7KW (9.52HP)
Voltage	12V DC
Gear Ratio	365:1 (3-stage planetary gear)
Rope Type	Synthetic Rope
Rope Dimensions	0.47 inches (Diameter) x 82 feet (Length)
Waterproof Rating	IP67
Item Weight	88.8 pounds
Product Dimensions	23 x 9 x 8.26 inches

Feature	Detail
Material	Carbon Steel
Included Components	Hardware

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact CXRCY directly through their official channels. Retain your purchase receipt for warranty claims.

Visit the [CXRCY Store on Amazon](#) for more information.