

X-BULL W716 (X-BULL-12000 lb load capacity)

X-BULL 12000 lbs Synthetic Rope Winch User Manual

Model: X-BULL-12000 lb load capacity (W716)

Brand: X-BULL

1. INTRODUCTION

Thank you for choosing the X-BULL 12000 lbs Synthetic Rope Winch. This electric winch is designed for heavy-duty towing and recovery operations, suitable for trucks, UTVs, ATVs, and SUVs. It features a powerful motor, durable synthetic rope, and an integrated control system for reliable performance in challenging conditions.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your winch. Please read it thoroughly before use to ensure proper function and to prevent injury or damage.

2. SAFETY INFORMATION

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

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection, when operating the winch.
- Ensure the winch is securely mounted to a structurally sound part of the vehicle capable of withstanding the rated load.
- Do not exceed the winch's rated pulling capacity (12000 lbs).
- Keep hands and clothing clear of the winch rope, fairlead, and drum during operation.
- Never operate the winch with less than five wraps of rope on the drum.
- Inspect the winch rope, hooks, and all connections for damage before each use. Replace damaged components immediately.
- Use a tree saver strap or similar anchor point protector when winching from a tree.
- Always use a dampener (e.g., a heavy blanket or jacket) over the middle of the winch rope during recovery to absorb energy in case of rope failure.
- Ensure the vehicle's engine is running during winching to maintain battery power.
- Do not use the winch for lifting or hoisting people.
- Disconnect the power to the winch when not in use or during maintenance.

3. PRODUCT COMPONENTS

Your X-BULL 12000 lbs Synthetic Rope Winch package includes the following main components:

- X-BULL 12000 lbs Winch Unit with Synthetic Rope
- Integrated Control Box (500A relay, wireless receiver, IP65 waterproof)
- Wired Remote Control
- Wireless Remote Controls (x2)
- Hawse Fairlead
- Hook with Safety Latch
- Power Cables
- Mounting Hardware (nuts, bolts, washers)

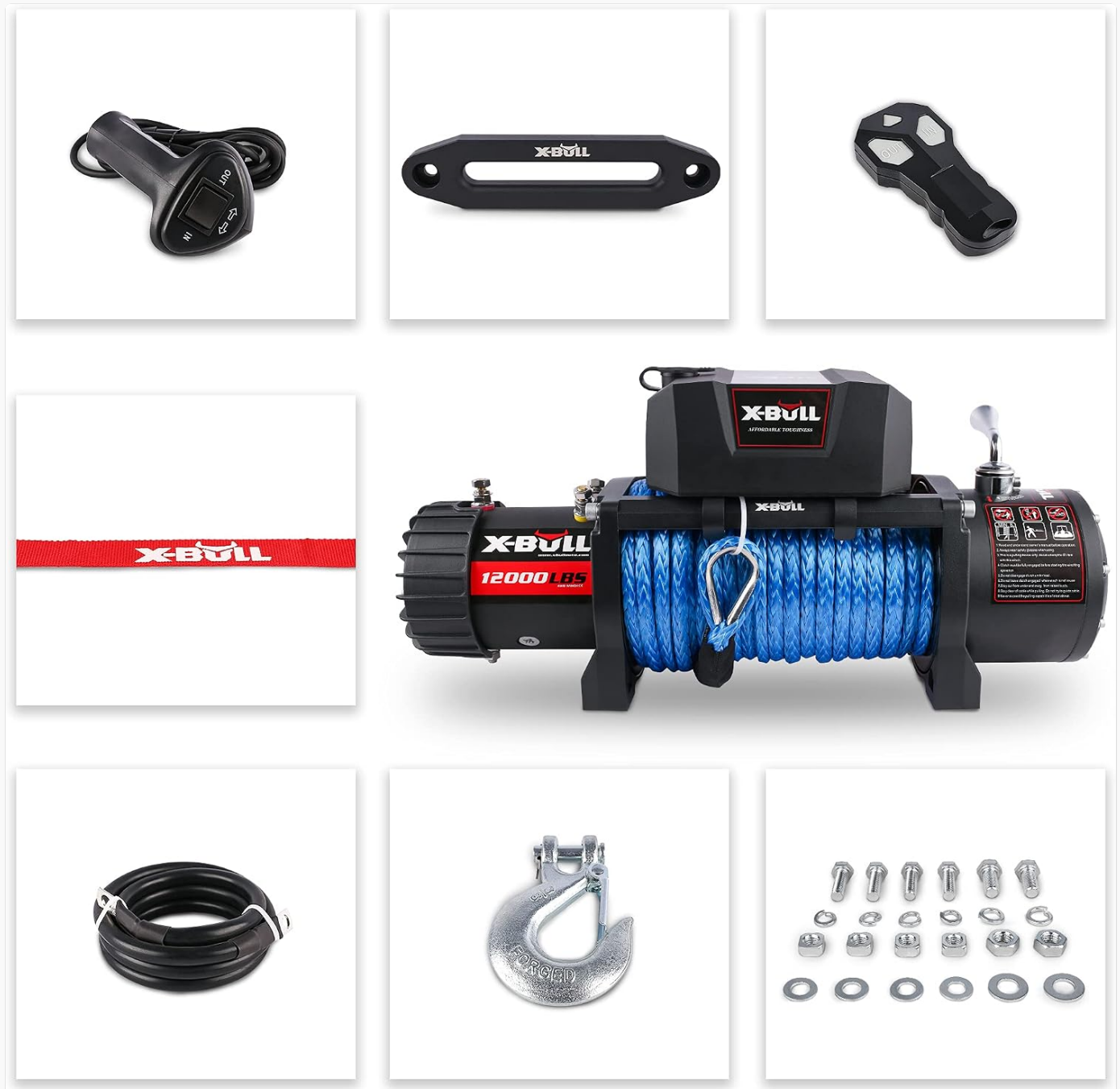


Figure 3.1: Included Components

4. SETUP AND INSTALLATION

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

4.1 Mounting the Winch

1. Choose a mounting location on your vehicle that is strong enough to support the winch's maximum pulling force. Most commonly, this is a dedicated winch bumper or mounting plate.
2. Position the winch on the mounting surface, ensuring the hawse fairlead aligns with the rope path.
3. Secure the winch using the provided mounting hardware. Ensure all bolts are tightened to the manufacturer's specifications.

4.2 Electrical Connections

The integrated control box is waterproof (IP65) and can be installed in a convenient location. Ensure all connections are clean, tight, and protected from corrosion.

1. Connect the thick red power cable from the winch motor to the positive (+) terminal of your vehicle's battery.
2. Connect the thick black power cable from the winch motor to the negative (-) terminal of your vehicle's battery or a suitable chassis ground point.
3. Connect the control cables from the winch motor to the integrated control box as per the wiring diagram (refer to the diagram usually found on the control box or in a separate quick-start guide).
4. Ensure all electrical connections are insulated and protected from water and debris.



Figure 4.1: X-BULL Winch Overview

5. OPERATING INSTRUCTIONS

Always prioritize safety during winching operations. Plan your recovery carefully before beginning.

5.1 Preparing for Winching

1. Engage the vehicle's parking brake and put the transmission in neutral (or park for automatic).
2. Start the vehicle's engine to provide adequate power to the winch.
3. Disengage the clutch (free spool lever) on the winch to manually pull out the synthetic rope to your anchor point.
4. Attach the hook securely to a suitable anchor point (e.g., tree saver strap around a tree, another vehicle's recovery point).
5. Ensure the rope is not twisted or kinked. Lay a dampener over the middle of the rope.
6. Engage the clutch to lock the drum.

5.2 Winching Operation

Use the wired or wireless remote control to operate the winch. The automatic brake function will hold the load when the motor stops.

- **Wired Remote:** Connect the remote to the control box. Press the "IN" button to reel in the rope and "OUT" to pay out the rope.
- **Wireless Remote:** Ensure the remote has fresh batteries. Press the "IN" button to reel in and "OUT" to pay out.
- Operate the winch in short bursts to prevent overheating. Allow the motor to cool down between pulls.
- Monitor the rope winding evenly on the drum. If it piles up on one side, stop and redistribute it.
- Once the recovery is complete, disengage the clutch and carefully remove the rope from the anchor point.
- Rewind the rope neatly onto the drum under a light load (e.g., by walking it in or using a slight tension).

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Video 5.1: X-BULL Winch in action, demonstrating its power and ease of use in off-road recovery scenarios.

6. MAINTENANCE

Regular maintenance will extend the life of your X-BULL winch and ensure its reliable operation.

- **Rope Inspection:** Regularly inspect the synthetic rope for fraying, cuts, or excessive wear. Replace the rope if any damage is found.
- **Electrical Connections:** Check all electrical connections for corrosion, looseness, or damage. Clean and tighten as necessary.
- **Mounting Hardware:** Periodically check all mounting bolts and nuts for tightness.
- **Cleaning:** After use, especially in muddy or wet conditions, clean the winch and rope with fresh water. Allow the rope to dry completely before re-spooling.
- **Lubrication:** Consult a professional for internal lubrication of gears and motor if needed after extensive use.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Winch does not operate.	No power, loose electrical connections, faulty remote, motor overheating.	Check battery connections, ensure vehicle engine is running, check remote batteries, allow motor to cool.
Winch operates slowly or with reduced power.	Low battery voltage, excessive load, worn motor brushes.	Ensure battery is fully charged and vehicle engine is running, reduce load, consult professional for motor inspection.
Rope spools unevenly.	Improper winding during previous use, fairlead misalignment.	Stop winching, manually redistribute rope, ensure fairlead is correctly installed.
Winch makes unusual noises.	Internal gear damage, lack of lubrication.	Discontinue use immediately and consult a qualified technician.

8. SPECIFICATIONS

- **Brand:** X-BULL
- **Model Number:** W716 (X-BULL-12000 lb load capacity)
- **Rated Line Pull:** 12000 lbs (single line)
- **Motor:** 6.0 HP All-Copper Series Wound Motor
- **Gear Train:** True 3-Stage Planetary
- **Gear Reduction Ratio:** 265:1
- **Clutch:** Sliding Ring Gear
- **Braking Action:** Automatic In-Drum
- **Rope Type:** Synthetic Rope (Ultra-high molecular weight polyethylene)
- **Rope Dimensions:** 9.5mm diameter x 26m length
- **Fairlead:** Hawse Fairlead
- **Control Box:** Integrated, IP65 Waterproof, Built-in 500A Relay and Wireless Receiver
- **Package Dimensions:** 23.62 x 13.39 x 9.65 inches

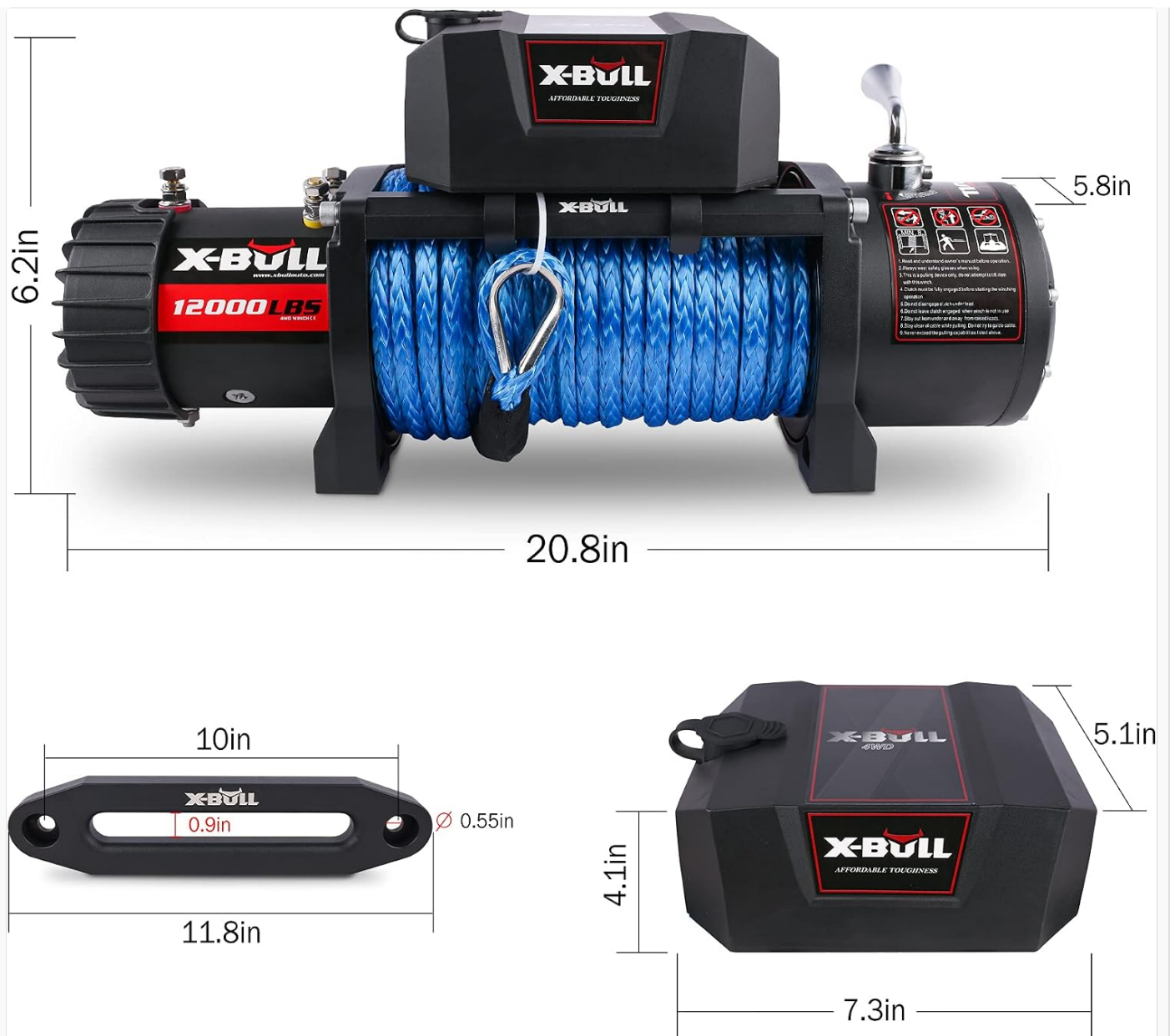


Figure 8.1: Winch Dimensions



12V DC 5.5 HP SERIES WOUND

Bears a 5.5 hp waterproofed wound motor, handles lowering loads well and has moderate friction and parasitic draw.

Figure 8.2: Winch Motor Detail

STRONG 265:1 GEAR RATIO

New upgraded bolt structure ensures the stability of the winch. Legendary durable and incredibly smooth 3-stage planetary.



Figure 8.3: Gear Ratio Detail



9.5MM×26M

SYNTHETIC WINCH ROPE

Figure 8.4: Synthetic Rope Detail

9. WARRANTY AND SUPPORT

X-BULL products are designed for durability and performance. This product is typically covered by a return policy allowing for refund or replacement within 30 days of purchase. For specific warranty details, claims, or technical support, please refer to your purchase documentation or contact X-BULL customer service directly through the retailer where the product was purchased.

You can also visit the official X-BULL store on Amazon for more information and contact options: [X-BULL Store](#)

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question