

## WARN 101155

# WARN AXON 55 Powersports Winch (Model 101155) Instruction Manual

Brand: WARN | Model: 101155

## INTRODUCTION

The WARN AXON 55 Powersports Winch is engineered for robust performance and reliability in demanding conditions. This manual provides essential information for the safe and effective use of your winch, ensuring optimal functionality and longevity.

The AXON 55 features a massive 5,500 lb capacity with a durable steel wire rope, designed for heavy-duty UTV applications and significant pulling tasks. Its revolutionary Motactor technology integrates the motor and contactor for enhanced performance and simplified installation. Equipped with a dash-mounted control switch, a HUB wireless receiver, a 50' x 1/4" steel rope, roller fairlead, and a black hook, this winch offers advanced digital control for real-time load and temperature feedback. The all-metal construction, black powder-coated finish, and IP68-rated waterproof sealing ensure corrosion resistance and protection against environmental elements. The clutch design is based on WARN's proven 4WD hub lock technology, and the three-stage planetary gear train provides smooth, reliable operation with a load-holding mechanical brake for precise control.

## KEY FEATURES

- **Massive 5,500 lb Capacity:** Ideal for large UTVs and demanding pulls.
- **Integrated Motactor:** Combines motor and contactor for superior performance and simplified installation.
- **Digital Control:** Provides real-time load and temperature information for enhanced user feedback.
- **Durable Construction:** All-metal build with black powder-coated finish for corrosion resistance.
- **IP68 Waterproof Rating:** Ensures protection against water and other elements.
- **Advanced Clutch Design:** Based on WARN's reliable 4WD hub lock technology.
- **Three-Stage Planetary Gear Train:** All-metal, smooth, and reliable for consistent operation.

- **Load-Holding Mechanical Brake:** Offers precise control during winching operations.
- **Included Accessories:** Dash-mounted control switch, HUB wireless receiver, 50' x 1/4" steel rope, roller fairlead, and black hook.

## SETUP AND INSTALLATION

The WARN AXON 55 winch is designed for straightforward installation, thanks to its integrated Motactor technology. Proper installation is crucial for safe and effective operation.

### Unboxing and Component Identification

Upon receiving your WARN AXON 55 winch, carefully unbox all components and verify against the packing list. Familiarize yourself with the winch unit, steel rope, fairlead, hook, control switch, and wireless remote.

### Mounting the Winch

Mount the winch securely to your vehicle's winch plate or bumper using appropriate hardware. Ensure the mounting surface is strong enough to support the winch's pulling capacity. The compact design of the Motactor simplifies wiring and reduces overall installation time.

### Rope Installation

The 1/4" diameter x 50' length steel rope comes pre-installed. If re-spooling or replacing the rope, ensure it is properly secured to the winch drum according to manufacturer guidelines. The roller fairlead should be positioned to guide the rope smoothly and prevent damage.

### Electrical Connections

Connect the winch to your vehicle's 12-volt electrical system. The integrated Motactor simplifies wiring by combining the motor and contactor into a single unit. Ensure all connections are secure and properly insulated to prevent shorts and ensure reliable power delivery.

### Control System Setup

Install the dash-mounted control switch in a convenient location within reach of the operator. The HUB wireless receiver allows for remote operation, providing flexibility and safety during winching. Refer to the detailed wiring diagrams in the full product manual for specific connection instructions.

## OPERATING INSTRUCTIONS

Operating your WARN AXON 55 winch requires careful attention to safety and proper technique. Always prioritize safety and follow these guidelines.

### Pre-Operation Checklist

- Ensure the winch is securely mounted and all electrical connections are tight.
- Inspect the steel rope for any frays, kinks, or damage. Replace if necessary.

- Check the fairlead for obstructions and ensure smooth rope movement.
- Verify the dash-mounted switch and wireless remote are functioning correctly.
- Ensure the vehicle's engine is running to provide adequate power to the winch.

## Winching Procedure

1. **Anchor Point Selection:** Choose a strong, stable anchor point capable of withstanding the pulling force. Use a tree trunk protector or similar strap to avoid damaging trees or other objects.
2. **Rope Deployment:** Disengage the clutch (refer to the hub lock clutch dial) and manually pull out the required length of steel rope. Always leave at least five wraps of rope on the drum to maintain maximum pulling capacity.
3. **Secure the Hook:** Attach the hook securely to the anchor point. Ensure the hook's safety latch is closed.
4. **Engage Clutch:** Re-engage the clutch.
5. **Begin Winching:** Use the dash-mounted switch or wireless remote to begin winching. Operate in short, controlled bursts. The digital control provides feedback on load and temperature, helping you manage the winching process effectively.
6. **Monitor Operation:** Continuously monitor the winch, rope, and anchor point during operation. Keep hands and clothing clear of the rope and fairlead.
7. **Spooling the Rope:** Once the winching task is complete, carefully re-spool the rope onto the drum under light tension. Ensure the rope spools evenly to prevent damage.

## Safety Precautions

- Never exceed the winch's rated pulling capacity.
- Always wear heavy-duty gloves when handling the winch rope.
- Keep spectators at a safe distance.
- Never step over a taut winch rope.
- Use a winch dampener or heavy blanket over the rope to absorb energy in case of breakage.
- Avoid prolonged continuous winching to prevent overheating. The digital control will provide temperature feedback.

## MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your WARN AXON 55 winch.

- **Inspection:** Regularly inspect the winch, rope, fairlead, and electrical connections for any signs of wear, damage, or corrosion.
- **Cleaning:** After use, especially in muddy or wet conditions, clean the winch thoroughly with fresh water. The IP68 waterproof sealing protects internal components.
- **Lubrication:** Periodically check and lubricate moving parts as recommended in the full product manual.
- **Rope Care:** Inspect the steel rope for frays or broken strands. If damaged, replace the rope. Ensure the rope is spooled evenly on the drum.
- **Electrical System:** Check battery terminals and winch connections for corrosion. Keep them clean and

tight.

## TROUBLESHOOTING

If you encounter issues with your WARN AXON 55 winch, consult the following basic troubleshooting steps. For complex problems, refer to the full product manual or contact WARN customer support.

- **Winch Not Operating:**
  - Check battery connections for tightness and corrosion.
  - Ensure the vehicle's engine is running and the battery is charged.
  - Verify the control switch and wireless remote are properly connected and powered.
  - Check for tripped circuit breakers or blown fuses.
- **Slow or Weak Pull:**
  - Ensure the vehicle's engine is running at a higher RPM to provide maximum power.
  - Check battery charge level.
  - Inspect electrical connections for resistance or corrosion.
  - Verify the load is within the winch's rated capacity.
- **Winch Overheating:**
  - The digital control provides temperature feedback. Allow the winch to cool down before resuming operation.
  - Avoid prolonged continuous pulls. Use intermittent operation for heavy loads.
- **Rope Damage:**
  - Inspect the steel rope for frays, kinks, or broken strands. Replace damaged rope immediately.
  - Ensure the fairlead is clean and free of burrs that could damage the rope.

## SPECIFICATIONS

Attribute	Value
Brand	WARN
Model Number	101155
Pulling Capacity	5,500 lb (2.75 Ton)
Rope Type	Steel Wire Rope
Rope Dimensions	1/4" Diameter x 50' Length
Motor/Contactor	Integrated Motactor

Control	Dash-mounted switch, HUB Wireless Receiver
Waterproof Rating	IP68
Finish	Black Powder-Coated
Gear Train	3-Stage Planetary
Brake	Load-Holding Mechanical Brake
Item Weight	35.2 pounds
Product Dimensions	12.2 x 17.32 x 5.91 inches

## PRODUCT IMAGES



The WARN AXON 55 Powersports Winch, showcasing the main unit, steel rope, roller fairlead, hook, and wireless remote. This image provides a comprehensive view of the product and its included accessories.

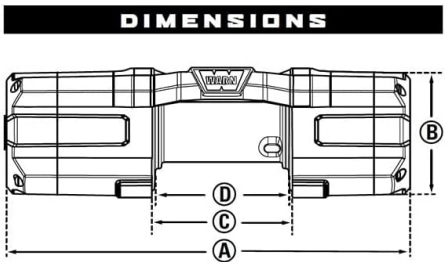


A side view of the WARN AXON 55 Winch, highlighting its compact design and integrated Motactor housing. The durable black finish is visible.



A front view of the WARN AXON 55 Winch, showing the steel rope spooled on the drum, the roller fairlead, and the WARN branding.

The robust construction is evident.



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|--------------------------|--------------------------|
| <b>A</b> 15.0" (381.8mm) | <b>C</b> 5.19" (132mm)   |
| <b>B</b> 4.82" (122.5mm) | <b>D</b> 5.02" (127.6mm) |

Mounting bolt pattern: 3.0" x 6.59" (76.2mm x 167.4mm)

A technical diagram illustrating the key dimensions of the WARN AXON 55 Winch, including overall length, width, and mounting bolt patterns. This is essential for proper fitment and installation.



An image showing a UTV equipped with a WARN AXON Winch, with a user operating the winch via a wireless remote control. This demonstrates the convenience and functionality of the remote system in an off-road setting.

## OFFICIAL PRODUCT VIDEOS

### Video: WARN AXON Powersports Winches Overview

This video provides a detailed overview of the WARN AXON Powersports Winch series, highlighting its key features, advanced technology, and robust construction. It demonstrates the winch in various challenging off-road scenarios, emphasizing its reliability and performance.

### Video: WARN VRX Powersports Winches Features

This video showcases the features and capabilities of WARN VRX Powersports Winches. While focusing on the VRX series, it provides relevant insights into WARN's engineering principles,

durability, and performance aspects applicable to the AXON series.

#### **Video: WARN Synthetic Cable Installation**

This video demonstrates the process of installing a WARN synthetic cable. Although the AXON 55 comes with steel rope, the general principles and techniques for securing the rope to the drum and fairlead are similar and can be adapted for steel rope installation.

#### **Video: Winch Pulling a 3T Tractor onto a Tilt Bed Trailer**

This video demonstrates the pulling power of a winch by showing it pulling a 3-ton tractor onto a tilt-bed trailer. It provides a real-world example of the kind of heavy-duty tasks a robust winch like the AXON 55 can handle, showcasing its capacity and operational strength.

#### **Video: Black Ops 6000lb Winch Overview**

This video provides an overview of the Black Ops 6000lb Winch, highlighting its features and capabilities. While a different brand, it offers general insights into winch design, components, and performance characteristics relevant to understanding high-capacity powersports winches.

## **WARRANTY INFORMATION**

WARN stands behind the quality and performance of its products. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official WARN website. Keep your proof of purchase for any warranty claims.

## **CUSTOMER SUPPORT**

For technical assistance, troubleshooting, or parts inquiries, please contact WARN customer support. Contact information can be found in your product packaging or on the official WARN website. When contacting support, please have your model number (101155) and serial number ready.

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**Related Documents - 101155**



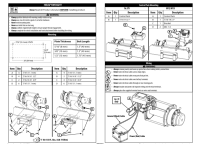
### [WARN Industries 2007-08 Off-Road Products and Application Guide](#)

Explore WARN Industries' comprehensive range of durable, high-performance off-road winches, bumpers, mounting systems, and accessories designed for trucks and SUVs. This guide details product applications and specifications for off-road enthusiasts.



### [WARN 2021-2022 Product and Application Guide - Winches, Bumpers, and Accessories](#)

Explore the comprehensive WARN 2021-2022 Product and Application Guide, featuring a wide range of winches, bumpers, accessories, wheels, and 4WD hubs for trucks, SUVs, powersports, and industrial vehicles. Discover high-performance off-road equipment from WARN Industries.



### [WARN Heavyweight Winch Installation Guide: 16.5Ti & M12/M15](#)

Installation instructions for WARN Heavyweight electric winches, covering the 16.5Ti and M12/M15 models. Details mounting hardware, control pack setup, and wiring procedures with safety precautions.



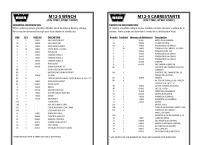
### [WARN 2019-2020 Product and Application Guide for Trucks, SUVs, and Powersports](#)

Explore the WARN 2019-2020 Product and Application Guide, featuring premium winches, accessories, and recovery gear for trucks, SUVs, Jeeps, powersports, industrial, and commercial vehicles. Discover advanced technology and reliable performance.



### [WARN Winch Mounting Kit 28876 Installation Instructions for Yamaha Big Bear](#)

Detailed installation guide for the WARN Winch Mounting Kit (Part Number 28876) for Yamaha Big Bear 1987-1998 4x4 and 2x4 models. Includes safety precautions, parts list, torque specifications, and maintenance tips.



### [WARN M12-S Winch Parts List and Ordering Information](#)

Comprehensive parts list for the WARN M12-S 12VDC winch (P/N 17801, 87801). Includes ordering information, part numbers, descriptions, and component details. Content available in English, Spanish, and French.