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› [WARN](#) /

› [WARN 101045 VRX 45 Powersports Winch Instruction Manual](#)

WARN 101045

WARN VRX 45 Powersports Winch Instruction Manual

Model: 101045 | Brand: **WARN**

INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your WARN VRX 45 Powersports Winch. The VRX 45 is designed for demanding UTV applications, featuring a 4,500 lb capacity, durable all-metal construction, and a reliable three-stage planetary gear train. Please read this manual thoroughly before installation or operation to ensure proper use 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 Manual:** Understand all warnings, cautions, and operating procedures before use.
- **Wear Protective Gear:** Always wear gloves and eye protection when operating the winch.
- **Inspect Before Use:** Check the winch, rope, hook, and all connections for damage or wear before each operation. Do not use if damaged.
- **Maintain Safe Distance:** Keep hands, hair, clothing, and jewelry clear of the wire rope, hook, and fairlead during operation. Stand clear of the winching path.
- **Do Not Overload:** Never exceed the rated line pull capacity of the winch.
- **Secure Vehicle:** Ensure the vehicle is properly secured and braked before winching.
- **Avoid Shock Loads:** Do not use the winch for sudden jerking or shock loads. Apply power smoothly.
- **Proper Anchoring:** Always use a suitable anchor point.
- **Heat Warning:** The winch motor may become hot during prolonged use. Allow it to cool down.
- **Electrical Safety:** Ensure all electrical connections are secure and properly insulated. Disconnect power before servicing.

PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- WARN VRX 45 Powersports Winch
- 1/4" Diameter x 50' Length Steel Wire Rope
- Roller Fairlead
- Zinc-plated Hook
- Dash-mounted Control Switch
- Corded Remote Control
- Mounting Hardware (as supplied by manufacturer)

SETUP AND INSTALLATION

Proper installation is crucial for the winch's performance and safety. Refer to your vehicle's specific mounting instructions if available.

1. Mounting the Winch

Mount the winch securely to a flat, structural surface on your UTV, typically a winch plate or bumper designed for this purpose. Ensure the mounting bolts are tightened to the manufacturer's specifications.



Image: The WARN VRX 45 Powersports Winch, showing the main unit, steel cable, roller fairlead, and hook. A dash-mounted switch is also visible.

2. Installing the Roller Fairlead

Attach the roller fairlead to the winch mounting plate. The fairlead guides the wire rope and reduces wear, especially during angled pulls.

3. Wiring the Winch

Connect the winch motor leads to the contactor/solenoid, and then connect the contactor/solenoid to the vehicle's battery. Ensure all connections are clean, tight, and properly insulated. Connect the dash-mounted switch and the corded remote control plug to the appropriate terminals on the contactor/solenoid or wiring harness.



Image: An internal view of the WARN VRX 45 Winch, illustrating the motor and the robust gear train components, highlighting the all-metal construction.

4. Installing the Wire Rope

Feed the wire rope through the roller fairlead and attach the hook. Spool the rope onto the drum under a light load (e.g., 500 lbs) to ensure even winding and prevent damage to the rope or winch.



Image: The WARN VRX 45 Winch, showcasing the clutch lever mechanism for engaging and disengaging the drum, allowing for free spooling.

OPERATING INSTRUCTIONS

Engaging/Disengaging Clutch (Free Spool)

To rapidly pull out the wire rope by hand, 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.

Using the Dash-Mounted Switch

The dash-mounted switch provides convenient control from the driver's seat. Press the "IN" button to retract the rope and "OUT" to extend it. Release the button to stop the winch.

Using the Corded Remote Control

Plug the corded remote into the designated port. The remote allows for safe operation from a distance. Use the buttons on the remote to control the rope's movement (IN/OUT). Always maintain a clear line of sight to the winch and the load.

Winching Procedure

1. Secure the vehicle.

2. Disengage the clutch and pull out enough rope to reach a suitable anchor point.
3. Secure the hook to the anchor point.
4. Engage the clutch.
5. Ensure all personnel are clear of the winching area.
6. Slowly apply power using the switch or remote to begin winching.
7. Monitor the rope winding and the load. Stop if any issues arise.
8. Once the pull is complete, release the switch, disengage the clutch, and carefully remove the hook from the anchor.
9. Rewind the rope neatly onto the drum.

MAINTENANCE

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

- **Rope Inspection:** Regularly inspect the steel wire rope for frays, kinks, broken strands, or corrosion. Replace the rope if any damage is found.
- **Fairlead Cleaning:** Keep the roller fairlead clean and free of debris to ensure smooth rope movement.
- **Electrical Connections:** Periodically check all electrical connections for corrosion or looseness. Clean and tighten as necessary.
- **General Cleaning:** Clean the winch exterior with a mild detergent and water. Avoid high-pressure washing directly on seals or electrical components.
- **Lubrication:** The winch is factory-lubricated. Do not attempt to lubricate internal components unless specified by WARN.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Winch does not operate.	No power, loose electrical connections, faulty switch/remote, motor issue.	Check battery connections, ensure vehicle is running (if applicable), test switch/remote, inspect wiring.
Winch operates slowly or weakly.	Low battery voltage, overloaded, motor overheating, poor electrical connections.	Charge battery, reduce load, allow motor to cool, check and clean connections.
Rope does not free spool.	Clutch not fully disengaged, rope binding on drum.	Ensure clutch lever is in the fully disengaged position. Check for tangled rope on the drum.
Winch makes unusual noises.	Internal damage, foreign object, worn gears.	Discontinue use immediately. Contact WARN customer support for assistance.

SPECIFICATIONS

Model:	101045
Brand:	WARN
Load Capacity:	4,500 lbs (2.25 Ton)

Rope Type:	Steel Wire Rope
Rope Dimensions:	1/4" Diameter x 50' Length
Fairlead:	Roller Fairlead
Control:	Dash-mounted switch and Corded Remote Control
Construction:	All-metal, black powder-coated finish
Sealing:	IP68-rated waterproof
Gear Train:	3-stage planetary
Brake:	Load-holding mechanical brake
Item Weight:	28.5 pounds
Product Dimensions:	12.2 x 17.32 x 5.91 inches

WARRANTY AND SUPPORT

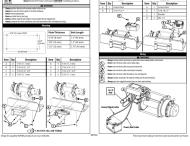
WARN products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official WARN website. For technical support, parts, or service, please contact WARN customer service directly. Always provide your product model number (101045) and serial number when seeking support.

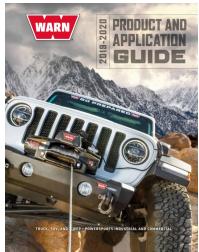
Note: No official product video URLs were provided in the product data, therefore no videos could be embedded in this manual.

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For more information, visit www.warn.com

Related Documents - 101045

	<p>WARN Industries 2007-08 Off-Road Products and Application Guide</p> <p>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.</p>
	<p>WARN 2021-2022 Product and Application Guide - Winches, Bumpers, and Accessories</p> <p>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.</p>
	<p>WARN Heavyweight Winch Installation Guide: 16.5Ti & M12/M15</p> <p>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.</p>



[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.