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WARN 103254

WARN VR EVO 12 Electric Winch (Model 103254) - User Instruction Manual

Brand: WARN | Model: 103254

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your WARN VR EVO 12 Electric Winch. Please read this manual thoroughly before attempting to install or operate the winch. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your product.



Figure 1: WARN VR EVO 12 Electric Winch with steel cable and hook.

2. SAFETY INFORMATION

WARNING: Improper installation or operation of this winch can result in serious injury or property damage. Always follow all safety precautions and instructions.

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection, when operating the winch.
- Ensure the winch is securely mounted to a compatible bumper or mounting plate on your vehicle.
- Never exceed the rated pulling capacity of the winch.
- Keep hands and clothing clear of the wire rope, fairlead, and drum during operation.
- Inspect the wire rope for frays, kinks, or damage before each use. Replace damaged rope immediately.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PRODUCT OVERVIEW & COMPONENTS

The WARN VR EVO 12 Winch is a standard-duty electric winch designed for reliable vehicle recovery. Key components include:

- **Winch Assembly:** Main unit housing the motor, gear train, and drum.
- **Steel Cable Wire Rope:** 3/8" diameter x 85' length, pre-spoiled on the drum.
- **Wired Remote Control:** For safe operation from a distance.
- **Control Pack:** Houses the high-performance Albright contactor, can be relocated for low-profile installations.
- **Fairlead:** Guides the wire rope onto the drum.
- **Hook:** Heavy-duty hook for attachment to recovery points.



Figure 2: Winch unit with wired remote control and power cables.

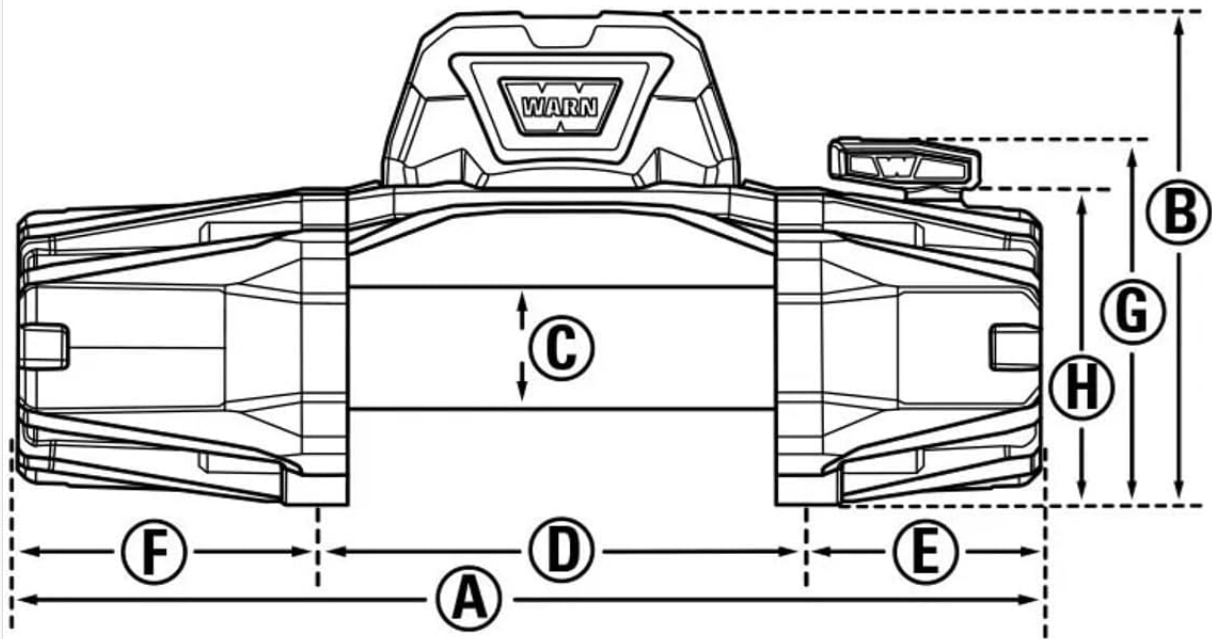


Figure 3: Close-up view of the winch showing the steel cable and hook.

4. SPECIFICATIONS

Specification	Value
Model Number	103254
Pulling Capacity	12,000 lb (6 Ton)
Voltage	12V DC
Wire Rope Diameter	3/8 inches
Wire Rope Length	85 feet
Motor Type	Series-wound
Gear Train	Planetary
Waterproof Rating	IP68
Item Weight	90.8 pounds
Product Dimensions	21 x 6.3 x 10.1 inches

DIMENSIONS



A 21.02" (534mm)

E 4.84" (123mm)

B 10.08" (256mm)

F 6.18" (157mm)

C 2.54" (64mm)

G 7.5" (191.4mm)

D 10" (254mm)

H 6.79" (172.4mm)

Mounting bolt pattern: 10.0" x 4.5" (254mm x 114.3mm)

Figure 4: Detailed dimensions of the WARN VR EVO 12 Winch.

5. SETUP & INSTALLATION

The WARN VR EVO 12 Winch requires a compatible bumper or mounting plate for proper installation on your vehicle. The winch comes with pre-installed wires for convenience. Ensure all connections are secure and correctly routed.

- **Mounting:** Secure the winch to your vehicle's mounting surface using appropriate hardware. Refer to your vehicle's specific mounting instructions.
- **Wiring:** Connect the power cables to your vehicle's battery. Ensure red cables connect to positive terminals and black cables connect to negative/ground terminals. The control pack can be relocated for low-profile installations if needed.
- **Remote Connection:** The winch supports both wired and wireless remote control options. Plug the wired remote directly into the designated port on the winch.

6. OPERATING INSTRUCTIONS

Familiarize yourself with the winch controls and functions before operation.

- **Free Spool:** To manually pull out the wire rope, disengage the clutch mechanism. This allows the drum to rotate freely.
- **Engage Clutch:** To begin winching, engage the clutch mechanism. This locks the drum to the gear train.
- **Remote Control:** Use the wired remote to control the 'IN' (winch in) and 'OUT' (winch out) functions. Always maintain a safe distance from the winch and wire rope during operation.
- **Winching Procedure:** Extend the wire rope to the anchor point, secure the hook, and ensure the vehicle is properly positioned. Begin winching in short, controlled bursts, monitoring the load and the winch's performance.

Video 1: Official WARN VR Winch overview, demonstrating key features and operation. (Source: Warn Industries)

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your WARN VR EVO 12 Winch.

- **Inspection:** Periodically inspect the wire rope, hook, fairlead, and all electrical connections for wear or damage.
- **Cleaning:** Clean the winch and components after use, especially after exposure to mud, water, or corrosive elements. The IP68 rating provides excellent protection against water and dust.
- **Lubrication:** Refer to the detailed operator's manual for specific lubrication requirements and intervals.

8. TROUBLESHOOTING

If you encounter issues with your winch, consider the following common troubleshooting steps:

- **Winch Not Operating:** Check all electrical connections, including battery terminals and remote control connections. Ensure the vehicle's battery is adequately charged.
- **Slow Line Speed:** This may indicate a low battery charge or excessive load. Reduce the load or ensure the battery is fully charged.
- **Unusual Noises:** Stop operation immediately and inspect the winch for any obstructions or mechanical issues.


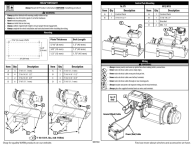

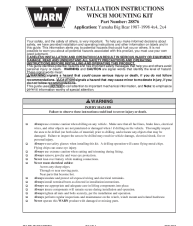

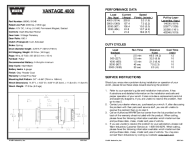
For more detailed troubleshooting, please consult the full operator's manual provided with your product.

9. WARRANTY INFORMATION

The WARN VR EVO 12 Electric Winch comes with a limited lifetime warranty for mechanical parts and a 7-year warranty on the electrical components. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the official WARN website.

10. SUPPORT

For technical assistance, parts, or service, please contact WARN customer support. Refer to the contact information provided in your product packaging or on the official WARN website.

	<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 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>
	<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 Winch Mounting Kit 28876 Installation Instructions for Yamaha Big Bear</p> <p>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.</p>
	<p>WARN 2019-2020 Product and Application Guide for Trucks, SUVs, and Powersports</p> <p>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.</p>
	<p>WARN VANTAGE 4000 Winch: Specifications, Performance, and Service Guide</p> <p>Comprehensive guide for the WARN VANTAGE 4000 winch, including detailed specifications, performance data, duty cycles, service instructions, and available kits. Learn about its 4000 lbs pulling capacity and 12V DC operation.</p>