

WARN ProVantage II (Model 103754)

WARN ProVantage II Plow Blade 54-inch Instruction Manual

Model: ProVantage II (Model 103754)

Brand: WARN

1. INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your WARN ProVantage II 54-inch Plow Blade. Designed for efficient snow and dirt removal, the ProVantage II plow system features a durable design and enhanced functionalities to assist in various tasks. Please read this manual thoroughly before installation and use to ensure safe and effective operation.

2. SAFETY INFORMATION

Always prioritize safety when operating the plow system. Failure to follow safety guidelines can result in serious injury or property damage.

- **Read All Instructions:** Before assembly or operation, read and understand all instructions in this manual and any accompanying vehicle manuals.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and sturdy footwear.
- **Inspect Equipment:** Before each use, inspect the plow blade, mounting hardware, and vehicle for any signs of wear, damage, or loose components.
- **Clear Area:** Ensure the work area is clear of bystanders, pets, and obstacles before operating the plow.
- **Operate Responsibly:** Do not operate the plow under the influence of alcohol or drugs. Maintain a safe speed and be aware of changing terrain conditions.
- **Avoid Overloading:** The plow system includes a trip mechanism to protect against damage from obstacles or overloading. Do not intentionally overload the plow.

3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly:

- WARN ProVantage II 54-inch Plow Blade

Note: Additional components such as push tubes and vehicle-specific mounts are sold separately and are required for a complete plow system.

4. SETUP AND INSTALLATION

The WARN ProVantage II plow system is designed for straightforward installation, with many components pre-assembled to reduce setup time.

4.1. Component Compatibility

The ProVantage II plow blades are compatible with all existing WARN plow mounts and push tubes. Ensure you have the correct push tubes for your blade size (50, 54, 60, 66, or 72-inch) and a compatible vehicle mount.

4.2. Winch Hook Attachment

The system features an all-new winch hook attachment method designed to reduce winch rope wear. Follow the specific instructions provided with your winch and plow system for secure attachment.

4.3. Blade-Pivot Mechanism

The re-designed blade-pivot mechanism ensures smooth operation and enhanced robustness. During installation, ensure all pivot points are clean and move freely.



Figure 1: The WARN ProVantage II Plow System, showing the blade assembly and included springs. This image illustrates the overall structure of the plow blade and its attachment points, ready for integration with push tubes and a vehicle mount.

5. OPERATING INSTRUCTIONS

Proper operation of your WARN ProVantage II plow blade will ensure efficient performance and longevity.

5.1. Blade Height Adjustment

The plow blade offers 6 easily adjusted blade height positions. To adjust the blade height, locate the adjustment pins or levers and set the blade to the desired operating height. Ensure both sides are adjusted evenly for optimal performance.

5.2. Trip Mechanism

The integrated trip mechanism allows the blade to trip forward when it encounters an obstacle or is overloaded. This feature protects the plow from damage. After tripping, the blade will return to its operating position once the obstacle is cleared or the load is reduced.

5.3. Reversible Wear Bar

The plow blade is equipped with a reversible wear bar. When one side of the wear bar shows significant wear, it can be flipped to utilize the other side, effectively doubling its service life. Refer to the maintenance section for instructions on replacing or reversing the wear bar.

5.4. Rotating Skid Shoes

Rotating skid shoes are designed to move and pivot over various surfaces, increasing their wear life and allowing for smoother operation over uneven terrain.



Figure 2: A direct front view of the WARN ProVantage II 54-inch Plow Blade, highlighting its robust construction and the curvature designed for efficient material movement. This image shows the main surface of the blade.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your WARN ProVantage II plow blade.

- **Cleaning:** After each use, especially when plowing snow or corrosive materials, clean the blade thoroughly to prevent rust and buildup.
- **Inspection:** Periodically inspect all bolts, nuts, and fasteners for tightness. Check for any signs of wear or damage on the blade, wear bar, skid shoes, and pivot points.
- **Wear Bar:** Monitor the wear bar for excessive wear. When one edge is worn, reverse it to extend its life. Replace the wear bar when both edges are worn down.
- **Corrosion Protection:** The blade is sandblasted and powder-coated for extreme durability and corrosion resistance. Avoid scratching or damaging this coating to maintain its protective properties. Touch up any deep scratches with appropriate rust-inhibiting paint.
- **Lubrication:** Lubricate pivot points and moving parts as recommended in your vehicle's or plow system's specific instructions.



Figure 3: An angled view of the underside of the WARN ProVantage II Plow Blade, showcasing the reinforcing ribs and the massive boxed cross-member that contribute to its strength and durability. This perspective also highlights the attachment points for the wear bar and skid shoes.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your plow blade. For problems not listed here, contact WARN customer support.

- **Plow Not Lifting/Lowering Properly:** Check the winch operation and ensure all cables and connections are secure. Inspect the plow's pivot points for obstructions or damage.
- **Uneven Plowing:** Verify that the blade height adjustment is even on both sides. Check for bent or damaged skid shoes or an unevenly worn wear bar.
- **Blade Not Tripping:** Ensure the trip springs are properly tensioned and not damaged. Clear any debris that might be preventing the trip mechanism from engaging.
- **Excessive Wear on Wear Bar/Skid Shoes:** This is normal wear and tear. Ensure the wear bar is reversed when one side is worn. Replace components as needed.

8. SPECIFICATIONS

Brand	WARN
Model	ProVantage II
Item Model Number	103754
Item Weight	56.9 pounds

Product Dimensions	57 x 18 x 6 inches
Manufacturer Part Number	103754
ASIN	B0D2YX97RH
Date First Available	April 29, 2024

9. WARRANTY AND SUPPORT



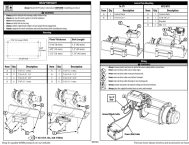

For warranty information, please refer to the documentation included with your purchase or visit the official WARN website. For technical assistance, replacement parts, or further inquiries, please contact WARN customer support directly.

Manufacturer: WARN

Website: [Visit the WARN Store on Amazon](#)

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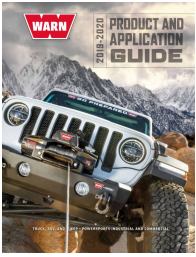
Related Documents - ProVantage II (Model 103754)

	<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 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 Bumper Kit 87732 Installation Instructions for 2012 Honda Foreman 500</p> <p>Comprehensive installation guide for the WARN Bumper Kit (Part Number 87732) designed for the 2012 Honda Foreman 500. Includes safety precautions, parts list, tools, torque specs, and maintenance tips.</p>



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