

WARN ProVantage II

WARN ProVantage II 72-inch Plow Blade Instruction Manual

Model: ProVantage II (Part Number: 103872)

Brand: WARN

1. INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your WARN ProVantage II 72-inch Plow Blade. Designed for efficient snow and dirt removal, this plow system features a durable design, a winch hook attachment method to reduce rope wear, and a trip mechanism to protect the blade from obstacles. The re-designed blade-pivot mechanism ensures smooth operation, and the entire system is sandblasted and powder-coated for maximum corrosion resistance.

Please read this manual thoroughly before installation and use to ensure safe and effective operation.



Figure 1: WARN ProVantage II 72-inch Plow Blade, front view. This image shows the full width of the black plow blade with its curved design and the lower wear bar.

2. SAFETY INFORMATION

Always prioritize safety when operating any equipment. Failure to follow safety instructions can result in serious injury or property damage.

- **Read All Instructions:** Before assembly, installation, or operation, read and understand all instructions in this manual and any accompanying documentation for your vehicle and plow system.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and sturdy footwear.
- **Vehicle Compatibility:** Ensure the plow system is compatible with your vehicle and that your vehicle's capacity can handle the weight and stress of plowing.

- **Clear Work Area:** Keep bystanders, children, and pets away from the work area during operation.
- **Inspect Before Use:** Before each use, inspect the plow blade, wear bar, skid shoes, and all mounting hardware for damage, wear, or loose fasteners. Replace or tighten as necessary.
- **Operating Speed:** Operate at a safe and controlled speed. Avoid sudden stops or turns.
- **Obstacles:** Be aware of obstacles. The plow features a trip mechanism, but excessive force can still cause damage.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

3. PRODUCT COMPONENTS

The WARN ProVantage II 72-inch Plow Blade includes the following main components:

- 72-inch Plow Blade (steel construction with reinforcing ribs and boxed cross-member)
- Reversible Wear Bar (pre-installed)
- Rotating Skid Shoes (pre-installed)
- Mounting Hardware (specific to blade attachment)

Note: Push tubes and vehicle-specific plow mounts are sold separately and are required for a complete plow system.



Figure 2: Close-up view of the WARN ProVantage II Plow Blade showing the upper mounting holes and the lower wear bar attachment points.



Figure 3: Angled view of the WARN ProVantage II Plow Blade, highlighting its curvature and the robust construction of the steel blade and wear bar.

4. SETUP AND INSTALLATION

The WARN ProVantage II plow blade features pre-assembled components to simplify installation. This blade is compatible with all existing WARN plow mounts and ProVantage II push tubes.

4.1 Required Tools (Not Included)

- Wrenches (appropriate sizes for mounting hardware)
- Torque Wrench
- Safety Glasses and Gloves

4.2 Installation Steps

1. **Prepare Vehicle:** Park your vehicle on a level surface, engage the parking brake, and turn off the engine.
2. **Install Plow Mount:** If not already installed, attach the vehicle-specific WARN plow mount according to its separate instructions.
3. **Attach Push Tubes:** Connect the ProVantage II push tubes to the plow mount as per their instructions.
4. **Connect Plow Blade:** Align the plow blade with the push tubes. Secure the blade to the push tubes using the provided hardware. Ensure all bolts are tightened to the manufacturer's specified torque settings.
5. **Winch Hook Attachment:** Attach your winch hook to the designated attachment point on the plow system. The new design reduces winch rope wear.
6. **Final Inspection:** Double-check all connections and fasteners to ensure they are secure before operating the plow.

5. OPERATING INSTRUCTIONS

Proper operation ensures efficiency and extends the life of your plow blade.

5.1 Pre-Operation Checklist

- Verify all mounting hardware is tight.
- Check the condition of the wear bar and skid shoes.
- Ensure the winch and rope are in good working order.
- Clear the area of any hidden obstacles that could damage the plow or vehicle.

5.2 Plowing Techniques

- **Blade Angle:** Adjust the blade angle as needed for the material being moved. The blade-pivot mechanism allows for smooth adjustments.
- **Blade Height:** The plow blade offers 6 easily adjusted height positions. Adjust the skid shoes to control the plowing depth and prevent digging into the surface.
- **Trip Mechanism:** The integrated trip mechanism allows the blade to trip forward when encountering an obstacle, protecting the plow from damage. After tripping, the blade will return to its operating position.
- **Consistent Speed:** Maintain a consistent, moderate speed for effective plowing. Avoid high speeds, especially when turning or encountering uneven terrain.
- **Overlap Passes:** Overlap each plowing pass slightly to ensure complete coverage.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your WARN ProVantage II Plow Blade.

- **Clean After Use:** After each use, clean the plow blade to remove dirt, snow, salt, or other debris. This helps prevent corrosion.
- **Inspect Wear Bar:** The wear bar is reversible. When one side shows significant wear, unbolt it, flip it, and reattach it to utilize the second edge. Replace the wear bar when both sides are worn.
- **Check Skid Shoes:** Inspect the rotating skid shoes for wear. Replace them if they are excessively worn to maintain proper plowing depth and protect the blade.
- **Lubrication:** Periodically lubricate pivot points and moving parts as recommended by WARN (refer to specific push tube or mount manuals if applicable).
- **Fastener Check:** Regularly check all bolts, nuts, and fasteners for tightness. Tighten to specified torque values as needed.
- **Corrosion Protection:** The blade is sandblasted and powder-coated for corrosion resistance. Touch up any deep scratches or chips in the coating to prevent rust.
- **Storage:** When not in use, store the plow blade in a dry, protected area to prevent exposure to elements.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your plow blade.

Problem	Possible Cause	Solution
Plow blade not tripping over obstacles.	Trip springs are too tight or damaged.	Inspect trip springs for damage. Adjust spring tension if possible (refer to push tube manual). Ensure no debris is jamming the trip mechanism.

Problem	Possible Cause	Solution
Excessive wear on one side of the wear bar.	Uneven ground contact; wear bar not flipped.	Adjust skid shoes for even ground contact. Flip the wear bar to use the unworn edge. Replace if both sides are worn.
Plow blade not lifting or lowering smoothly.	Winch issue; pivot points require lubrication; debris in mechanism.	Check winch operation and rope condition. Lubricate blade pivot points. Clear any debris from the blade-pivot mechanism.
Plow blade digging into the surface.	Skid shoes adjusted too high or worn out.	Lower skid shoes to increase ground clearance. Replace worn skid shoes.

8. SPECIFICATIONS

Feature	Detail
Brand	WARN
Model	ProVantage II
Part Number	103872
Blade Width	72 inches (other sizes available in the ProVantage II series)
Material	Steel with reinforcing ribs and boxed cross-member
Finish	Sandblasted and powder-coated
Wear Bar	Reversible
Blade Height Positions	6 adjustable positions
Item Weight	71 pounds
Product Dimensions	76 x 18 x 6 inches
Country of Origin	Made in the USA




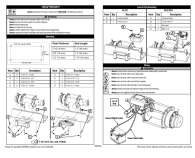


9. WARRANTY AND SUPPORT

For specific warranty information regarding your WARN ProVantage II Plow Blade, please refer to the official warranty documentation provided with your purchase or visit the official WARN Industries website. WARN Industries is committed to providing high-quality powersports accessories.

For technical support, replacement parts, or further assistance, please contact WARN customer service directly. Contact information can typically be found on the WARN website or in your product packaging.

WARN Industries Website: www.warn.com

Related Documents - ProVantage II

	<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 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 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 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>