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> WARN 88900 Medium-Duty Winch Accessory Kit User Manual

WARN 88900

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INTRODUCTION

The WARN 88900 Medium-Duty Winch Accessory Kit is designed to enhance the performance and versatility of your WARN winch system. This kit provides essential tools for safe and effective vehicle recovery and winching operations, suitable for trucks, Jeeps, and SUVs with winch capacities up to 10,000 pounds. Proper understanding and use of these accessories are crucial for safety and optimal performance.



Image: The WARN 88900 Medium-Duty Winch Accessory Kit, showcasing its various components neatly stored within the durable carry bag.

PRODUCT CONTENTS

The WARN 88900 Medium-Duty Winch Accessory Kit includes the following components:

- **20,000 lb Maximum Capacity Snatch Block:** Features a grease port for maintenance.
- **2 inch x 8 feet Tree Trunk Protector:** Rated to 14,000 lb capacity, designed to protect trees and anchor points during winching.
- **2 inch x 30 feet Recovery Strap:** Rated to 14,400 lb capacity, used for vehicle recovery.
- **3/4 inch D-Shackles:** Two units for secure connections.
- **Heavyweight Denier Carry Bag:** For convenient storage and transport of all kit components.

SETUP

Before any winching operation, ensure all components are in good condition and free from damage. Familiarize yourself with each item's function.

1. **Inspect Components:** Before each use, thoroughly inspect the snatch block, tree trunk protector, recovery strap, and D-shackles for any signs of wear, cuts, fraying, deformation, or corrosion. Do not use damaged equipment.
2. **Tree Trunk Protector:** When using a tree as an anchor point, always wrap the tree trunk protector around the tree. This prevents damage to the tree and distributes the load over a wider area, protecting your strap from abrasion. Secure the ends of the tree trunk protector with a D-shackle.
3. **D-Shackles:** Use D-shackles to connect straps, chains, or the snatch block to anchor points or other recovery gear. Ensure the shackle pin is fully threaded and tightened, then back off a quarter turn to prevent it from seizing under load.
4. **Recovery Strap:** The recovery strap is designed for kinetic recovery (snatching) or static pulls. Ensure it is free of knots and twists before use.
5. **Snatch Block:** The snatch block can be used to change the direction of pull or to double the winching power. Open the snatch block, route the winch line through the pulley, and close it securely. Connect it to an anchor point or another recovery strap using a D-shackle.



Image: A winch line properly set up with a snatch block and tree trunk protector for a recovery operation.

OPERATING INSTRUCTIONS

Always prioritize safety during winching operations. Wear appropriate personal protective equipment, including gloves and eye protection. Keep bystanders at a safe distance.

1. **Assess the Situation:** Before beginning, evaluate the recovery scenario. Identify the stuck vehicle's position, potential anchor points, and any obstacles. Plan your pull direction and method.
2. **Prepare the Winch:** Unspool enough winch line to reach your anchor point. Ensure the winch line is not kinked or twisted.
3. **Secure Anchor Point:** Use the tree trunk protector around a sturdy tree or other suitable anchor. Connect a D-shackle to the protector's ends.

4. **Connect Winch Line:** Attach the winch hook to the D-shackle on the anchor point. If using a snatch block, route the winch line through it and connect the hook back to the vehicle or another anchor point, effectively doubling the pulling force.
5. **Clear the Area:** Ensure all personnel are clear of the winch line and the recovery area. Place a dampener (such as a heavy blanket or jacket) over the winch line, midway between the winch and the anchor point, to absorb energy in case of line failure.
6. **Begin Winching:** Operate the winch slowly and steadily. Monitor the winch line, connections, and the vehicle being recovered. Stop immediately if any component shows signs of stress or failure.
7. **Kinetic Recovery (Recovery Strap):** For kinetic recovery, attach the recovery strap to designated recovery points on both vehicles using D-shackles. Ensure there is slack in the strap. The recovering vehicle then drives forward smoothly, using the elasticity of the strap to 'snatch' the stuck vehicle free. Avoid sudden jerks.
8. **After Recovery:** Once the vehicle is free, carefully disconnect all recovery gear. Spool the winch line back onto the drum evenly and under light tension.



Image: A red Jeep Wrangler navigating challenging rocky terrain, illustrating a typical environment where winching accessories are used.

MAINTENANCE

Regular maintenance ensures the longevity and reliability of your winch accessory kit.

- **Cleaning:** After each use, clean all components. Wash straps and tree trunk protectors with mild soap and water, then allow them to air dry completely before storage. Clean D-shackles and the snatch block to remove dirt and debris.
- **Inspection:** Continuously inspect all items for wear, damage, or corrosion. Pay close attention to stitching on straps, the condition of the snatch block pulley, and the threads of D-shackle pins.
- **Snatch Block Lubrication:** The snatch block features a grease port. Periodically lubricate the pulley bearing with appropriate grease to ensure smooth operation.
- **Storage:** Store all components in the provided heavyweight denier carry bag in a dry, cool place, away from direct sunlight and harsh chemicals. Ensure straps are not stored under tension or with kinks.

TROUBLESHOOTING

This section addresses common issues that may arise during the use of your winch accessory kit.

- **Strap Damage (Cuts/Fraying):** If a recovery strap or tree trunk protector shows signs of significant cuts, fraying, or damage to stitching, it must be replaced immediately. Do not attempt to repair damaged straps, as their load-bearing capacity may be compromised.
- **D-Shackle Seizing:** If a D-shackle pin becomes difficult to remove after a heavy pull, it may have seized. Try tapping the shackle body with a hammer (avoiding the pin) to relieve pressure. Always ensure the pin is backed off a quarter turn after tightening to prevent this.

- **Snatch Block Squeaking/Sticking:** This indicates a lack of lubrication. Apply grease through the grease port. If the issue persists, inspect the pulley for damage or foreign objects.
- **Insufficient Pulling Power:** Ensure you are using the snatch block correctly to double your winch's pulling power when needed. Verify that your anchor point is secure and that the winch itself is functioning correctly.
- **Bag Damage:** While the carry bag is durable, excessive force or sharp objects can damage it. If the bag is compromised, consider replacing it to protect your accessories during storage and transport.

SPECIFICATIONS

Feature	Detail
Brand	WARN
Model Number	88900
Item Weight	7 pounds
Product Dimensions	13 x 19 x 6 inches
Snatch Block Capacity	20,000 pounds (maximum)
Tree Trunk Protector Rating	14,000 pounds (capacity)
Recovery Strap Rating	14,400 pounds (capacity)
D-Shackle Size	3/4 inch
Manufacturer Part Number	88900
OEM Part Number	BCSQ88900

WARRANTY INFORMATION

For detailed warranty information regarding the WARN 88900 Medium-Duty Winch Accessory Kit, please refer to the official WARN website or contact WARN customer service directly. Warranty terms and conditions may vary and are subject to the manufacturer's policies at the time of purchase.

SUPPORT

If you require technical assistance, have questions about product usage, or need to report a defective component, please contact WARN customer support. You can typically find contact information, including phone numbers and email addresses, on the official WARN website (www.warn.com).

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