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› Strongway 4-Ton Heavy-Duty Double-Gear Hand Cable Puller Instruction Manual

Strongway 3487387

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Model: 3487387

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Strongway 4-Ton Heavy-Duty Double-Gear Hand Cable Puller. Please read and understand all instructions before use to ensure proper function and user safety.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always inspect the cable puller, hooks, and cable for damage before each use. Do not use if any components are worn, bent, or broken.
- Ensure all connections are secure before applying tension.
- Never exceed the rated capacity of 4 tons (8000 lbs).
- Keep hands and body clear of the cable and moving parts during operation.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Do not use the cable puller for lifting people or as a hoist for overhead loads.
- Avoid sudden jerking motions; apply tension smoothly and gradually.
- Be aware of potential recoil if the cable or attachment fails. Stand clear of the line of force.
- Store the cable puller in a dry, secure location away from children and unauthorized users.

PRODUCT OVERVIEW AND COMPONENTS

The Strongway 4-Ton Heavy-Duty Double-Gear Hand Cable Puller is designed for pulling, stretching, and moving heavy objects. It features a robust construction for reliable performance.



Figure 1: Strongway 4-Ton Heavy-Duty Double-Gear Hand Cable Puller. This image shows the complete assembly of the cable puller, including the handle, double-gear mechanism, cable, and hooks.

Key Components:

- **Handle:** Used to operate the ratchet mechanism.
- **Double-Gear Ratchet System:** Provides mechanical advantage for pulling.
- **Cable:** Aircraft-quality steel cable for strength.
- **Hooks:** Three drop-forged steel hooks with spring safety latches for secure attachment.
- **Pawl:** Locking mechanism for the ratchet wheels.

SETUP

1. **Inspect the Puller:** Before each use, thoroughly inspect the cable, hooks, and all mechanical parts for any signs of wear, damage, or corrosion. Ensure the spring safety latches on the hooks operate freely.
2. **Secure Anchor Point:** Attach one hook securely to a strong, immovable anchor point. This could be a tree, a heavy vehicle, or a structural beam. Ensure the anchor point can withstand the intended pulling force.
3. **Attach to Load:** Attach the other hook(s) to the object you intend to pull. Ensure the attachment point on the load is robust and can handle the force without breaking or deforming.
4. **Cable Management:** Ensure the cable is not twisted, kinked, or frayed. Keep the cable as straight as possible between the anchor and the load to maximize efficiency and prevent damage.
5. **Choose Line Configuration:**
 - **Single Line (2-ton capacity, 10.8ft lift):** For lighter loads or longer reach. The cable runs directly from the puller to the load.
 - **Double Line (4-ton capacity, 5.4ft lift):** For heavier loads, providing increased pulling power but reduced cable length. This involves routing the cable through a pulley (often integrated into one of the hooks) and back to an anchor point, effectively doubling the mechanical advantage. Refer to the diagram below for typical double-line setup.



Figure 2: Close-up view of the Strongway cable puller's hooks and cable. This image highlights the drop-forged steel hooks with safety latches and the cable attachment points, crucial for proper setup.

OPERATING INSTRUCTIONS

1. **Engage Ratchet:** Ensure the pawl is correctly engaged with the ratchet wheels.
2. **Apply Tension:** Operate the handle in a back-and-forth motion to gradually pull the cable and apply tension to the load.
3. **Monitor Load and Connections:** Continuously observe the load, anchor points, and all connections for any signs of stress, slippage, or failure.
4. **Release Tension:** To release tension, carefully disengage the pawl. Always maintain control of the handle during release to prevent sudden recoil. Release tension slowly and in a controlled manner.
5. **Repositioning:** If the cable length is insufficient, release tension, reposition the puller closer to the load or anchor, and re-secure before continuing.

Important: Never stand directly in the line of pull. Always stand to the side to avoid injury from a snapping cable or failing connection.

MAINTENANCE

- **Cleaning:** After each use, clean the cable puller to remove dirt, mud, and debris.
- **Lubrication:** Periodically lubricate the moving parts, such as the gears, pawl, and pivot points, with a light machine oil to ensure smooth operation and prevent corrosion.
- **Cable Inspection:** Regularly inspect the cable for frays, kinks, broken strands, or corrosion. Replace the cable immediately if any damage is found.
- **Hook Inspection:** Check hooks for deformation, cracks, or wear. Ensure safety latches are functional.
- **Storage:** Store the cable puller in a clean, dry environment to prevent rust and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Puller not engaging/slipping	Pawl not fully engaged; Worn gears or pawl; Overload	Ensure pawl is fully engaged. Inspect and replace worn parts. Do not exceed rated capacity.
Cable fraying or kinking	Improper use; Overload; Lack of maintenance	Ensure cable is straight during use. Do not overload. Inspect and replace damaged cable.
Difficulty operating handle	Lack of lubrication; Debris in mechanism	Lubricate moving parts. Clean mechanism thoroughly.
Hooks bending or breaking	Overload; Improper attachment	Never exceed rated capacity. Ensure hooks are properly seated and latches are closed. Replace damaged hooks.

SPECIFICATIONS

- **Model Number:** 3487387
- **Pulling Power (Double Line):** 4 Tons (8000 lbs.)
- **Pulling Power (Single Line):** 2 Tons (4000 lbs.)
- **Cable Length (Double Line Lift):** 5.4 ft.
- **Cable Length (Single Line Lift):** 10.8 ft.

- **Cable Diameter:** 13/64 in.
- **Construction:** Rugged integrated steel twin drive ratchet wheels, steel construction, drop-forged steel hooks.
- **Item Weight:** 13 pounds
- **Package Dimensions:** 28 x 5.5 x 4.25 inches

WARRANTY

For warranty information, please refer to the documentation included with your purchase or contact Strongway customer service directly. Warranty terms and conditions may vary.

CUSTOMER SUPPORT

If you have any questions, require assistance, or need to order replacement parts, please contact Strongway customer support. Visit the official Strongway website for contact details or refer to your product packaging.

You can also visit the [Strongway Store on Amazon](#) for more product information.

