LEIMO KPARTS 2-Ton Come Along Winch Power Puller

LEIMO KPARTS 2-Ton Come Along Winch Power Puller Instruction Manual

Model: 2-Ton Come Along Winch Power Puller

1. Introduction

This manual provides essential information for the safe and effective use of your LEIMO KPARTS 2-Ton Come Along Winch Power Puller. Please read these instructions thoroughly before operating the device to ensure proper function and to prevent injury or damage.

2. Safety Information

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

- Always inspect the puller, cable, and hooks for damage or wear before each use. Do not use if any components are compromised.
- Ensure the load does not exceed the rated pulling or lifting capacity of the device.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Keep hands and body clear of the cable, hooks, and moving parts during operation.
- Never stand in the direct line of pull. If the cable or hook fails, it can recoil with extreme force.
- Secure the anchor point firmly. It must be capable of withstanding the full load.
- Do not use the puller for overhead lifting of people or loads over occupied areas.
- Avoid sudden jerking motions. Apply force smoothly and gradually.
- Ensure the load is stable and balanced before and during movement.
- Do not modify the puller or its components.
- Store the puller in a clean, dry place away from corrosive materials.

3. Product Overview and Components

The LEIMO KPARTS 2-Ton Come Along Winch Power Puller is a heavy-duty tool designed for pulling,

lowering, and stretching tasks. It features a robust construction with dual gears for efficient operation.

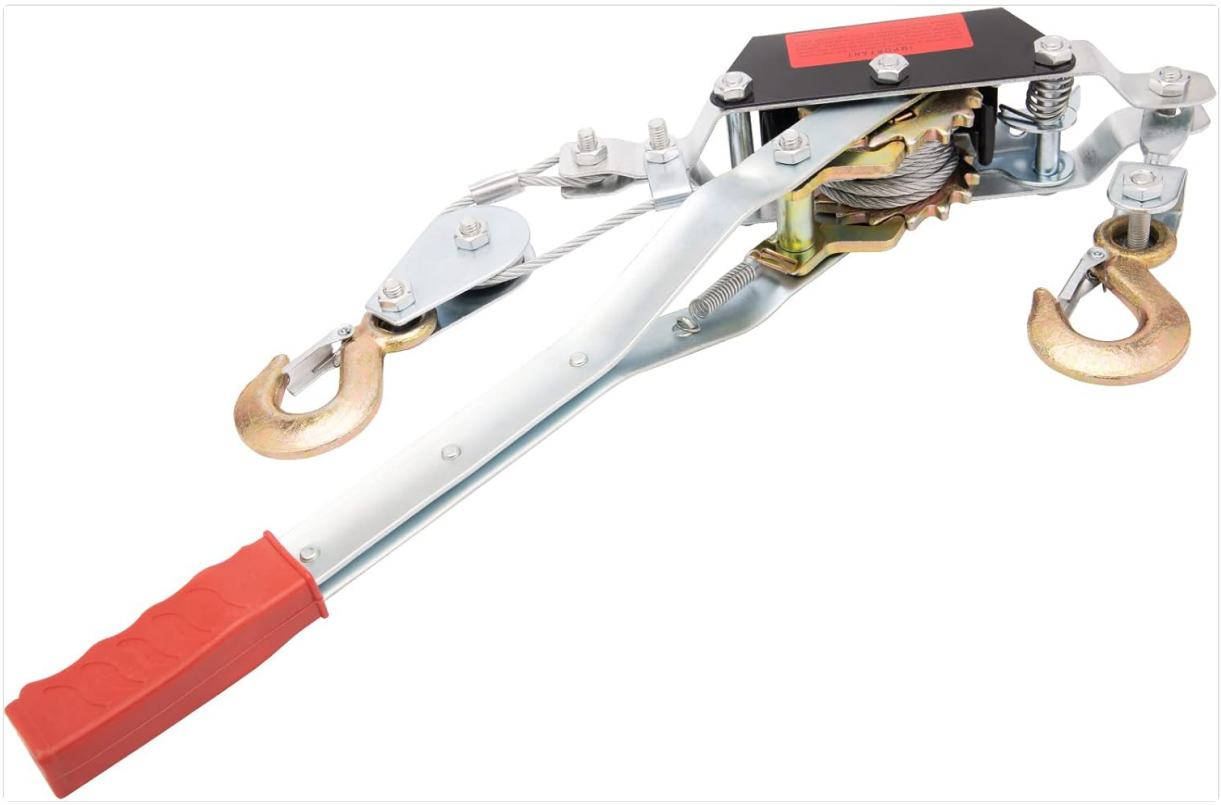

Figure 1: Overall view of the LEIMO KPARTS 2-Ton Come Along Winch Power Puller, showcasing its main components including the handle, cable, and hooks.

Key Components:

- **Handle:** 17-inch high-leverage steel ratchet handle with a cushioned nonslip grip for comfortable and efficient operation.
- **Dual Gears:** Designed to distribute even pulling force, enhancing efficiency and reducing effort.
- **Cable:** 3/16-inch aircraft-grade steel cable, providing strength and durability.
- **Hooks:** Two drop-forged steel safety hooks with spring latches to ensure secure attachment to anchor points and loads.
- **Automatic Notch-at-a-Time Let-Down Release:** Allows for controlled and gradual release of tension.

Figure 2: Detailed view of the dual gear mechanism and the steel cable wound around the drum, highlighting the robust construction.

Figure 3: Close-up of one of the drop-forged steel safety hooks, featuring a spring latch for secure attachment.

4. Setup

Before operating the power puller, ensure all safety precautions are understood and followed.

1. **Inspect the Unit:** Visually check the entire puller for any signs of damage, corrosion, or wear on the cable, hooks, gears, and housing.
2. **Identify Anchor Points:** Select a secure and stable anchor point for the puller. This could be a tree, a vehicle frame, or a structural beam, ensuring it can withstand the intended load.
3. **Attach Puller to Anchor:** Securely attach one of the puller's hooks to the chosen anchor point. Ensure the spring latch is fully closed.
4. **Attach to Load:** Extend the cable and attach the other hook to the item you intend to pull or move. Again, ensure the spring latch is fully closed.
5. **Clear the Area:** Ensure no personnel or obstructions are in the path of the load or in the line of pull.

5. Operating Instructions

Follow these steps for safe and effective operation of your power puller.

1. **Engage Ratchet:** With the puller and load securely attached, begin operating the handle in a pumping motion. The dual gears and double locking pawl will engage, pulling the cable and moving the load.
2. **Controlled Pulling:** Apply steady, even pressure to the handle. Avoid sudden, forceful movements. The dual gear system allows for one-handed operation for many tasks.
3. **Monitor Load and Cable:** Continuously observe the load, cable, and anchor points for any signs of stress or slippage.
4. **Releasing Tension:** To release tension and lower the load, carefully engage the automatic notch-at-a-time let-down release mechanism. This allows for controlled, gradual unwinding of the cable. Never release tension abruptly.
5. **Disassembly:** Once the task is complete and all tension is released, detach the hooks from the load and anchor point.

Figure 4: Examples of wide applications for the power puller, such as vehicle recovery, moving logs, and general pulling tasks in workshops or on farms.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your power puller.

- **Cleaning:** After each use, clean the puller to remove dirt, mud, and debris. A damp cloth is usually sufficient.
- **Lubrication:** Periodically apply a light lubricant to the moving parts, such as the gears, pawls, and cable drum, to ensure smooth operation and prevent rust.
- **Inspection:** Regularly inspect the cable for fraying, kinks, or broken strands. Check hooks for deformation, cracks, or worn latches. Inspect the housing for bends or damage. Replace any damaged components immediately.
- **Storage:** Store the puller in a dry environment to prevent corrosion. The galvanized finish provides protection against weather and elements, but proper storage is still recommended.

7. Troubleshooting

If you encounter issues with your power puller, consider the following common problems and solutions:

- **Cable Not Extending/Retracting Smoothly:**
  - Check for kinks or tangles in the cable.
  - Ensure the release mechanism is fully disengaged or engaged as required.
  - Lubricate the cable and drum if dry.
- **Handle Jams or Slips:**
  - Inspect the gears and pawls for debris or damage. Clean and lubricate if necessary.
  - Ensure the load is within the rated capacity. Overloading can cause slippage.
- **Hooks Not Securing:**
  - Check if the spring latches are functioning correctly and are not bent or obstructed.
  - Ensure the anchor point or load attachment point is suitable for the hook.

If problems persist, discontinue use and contact customer support.

8. Specifications

Refer to the following specifications for your LEIMO KPARTS 2-Ton Come Along Winch Power Puller:

Feature	Specification
Pulling Capacity	4000 lbs (2 Tons)
Lifting Capacity	2000 lbs (1 Ton)
Cable Diameter	3/16 inches (4.5mm) aircraft-grade steel
Number of Hooks	2 (5/16 inch drop-forged steel with spring latch)
Handle Length	17 inches
Construction Material	Hardened all-steel with corrosion & rust resistant galvanized finish
Overall Length (approx.)	51.1 inches (130 cm)

Feature	Specification
Weight	4.89 pounds

Figure 5: Dimensional diagram illustrating the approximate length of the puller and the diameter of the cable.

9. Warranty and Support

For warranty information or any questions regarding your LEIMO KPARTS 2-Ton Come Along Winch Power Puller, please contact the manufacturer directly. You can reach customer support by email for assistance.