

## Werner PJ-100

# Werner PJ-100 Aluminum Pump Jack Instruction Manual

Model: PJ-100 | Brand: Werner

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the Werner PJ-100 Aluminum Pump Jack. It is crucial to read and understand all instructions and safety warnings before assembly, operation, or maintenance of this equipment. Proper use ensures safety and extends the lifespan of the product.

## 2. SAFETY INFORMATION

Working with pump jacks and at elevated heights involves inherent risks. Adherence to safety protocols is paramount to prevent injury or property damage. Always follow these general safety guidelines:

- **Pre-Use Inspection:** Before each use, thoroughly inspect all pump jack components, vertical poles, and staging planks for any signs of damage, wear, corrosion, or deformation. Do not use damaged equipment.
- **Stable Foundation:** Ensure the work area provides a stable, level, and firm foundation for the vertical support poles. Uneven or unstable ground can lead to system failure.
- **Load Capacity:** Never exceed the maximum load capacity specified for the Werner PJ-100 pump jack or the entire staging system. Overloading can cause structural failure.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including hard hats, safety glasses, and fall protection harnesses, when working on or around pump jack scaffolding.
- **Clear Work Area:** Keep the work area clear of debris, tools, and other obstructions that could cause tripping hazards or interfere with operation.
- **Weather Conditions:** Do not use pump jack scaffolding in adverse weather conditions such as high winds, heavy rain, or ice, which can compromise stability and user safety.
- **Electrical Hazards:** Maintain a safe distance from power lines and other electrical hazards. Aluminum is a conductor of electricity.

- **Proper Installation:** Ensure all components are installed and secured according to manufacturer instructions. Verify all locking mechanisms are fully engaged before use.

### 3. COMPONENTS

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The Werner PJ-100 Aluminum Pump Jack system typically consists of the following primary components:

- **Pump Jack Unit:** The main mechanism that attaches to the vertical pole and supports the staging plank, allowing for vertical adjustment.
- **Vertical Support Poles:** Aluminum poles that provide the vertical structure for the pump jack units.
- **Staging Planks:** Work platforms that rest on the pump jack units.
- **Bracing and Fasteners:** Additional components like chains, pins, and braces used for securing the system.

### 4. SETUP INSTRUCTIONS

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Follow these steps for the correct and safe setup of the Werner PJ-100 Aluminum Pump Jack system:

1. **Inspect All Components:** Before beginning assembly, carefully inspect all parts of the pump jack, vertical poles, and planks for any damage or defects. Do not proceed with assembly if any component is compromised.
2. **Prepare the Work Site:** Clear the area where the pump jack system will be erected. Ensure the ground is firm, level, and capable of supporting the weight of the system, workers, and materials.
3. **Install Vertical Poles:** Securely install the vertical support poles. These poles must be plumb (perfectly vertical) and adequately braced to prevent movement. Refer to specific pole manufacturer instructions for proper installation and bracing techniques.



Image: Two workers installing a Werner pump jack unit onto a vertical support pole, ensuring proper alignment and secure attachment.

4. **Attach Pump Jack Units:** Mount the PJ-100 pump jack units onto the installed vertical poles. Ensure the units slide freely but are securely engaged with the pole's features. Engage all locking mechanisms, pins, and chains as per the design to prevent accidental dislodgement.



Image: A close-up view of the Werner PJ-100 Aluminum Pump Jack unit securely attached to a vertical pole, ready for plank installation.





Image: A worker securing a chain on the pump jack unit, demonstrating a critical step in ensuring the stability and safety of the assembly.

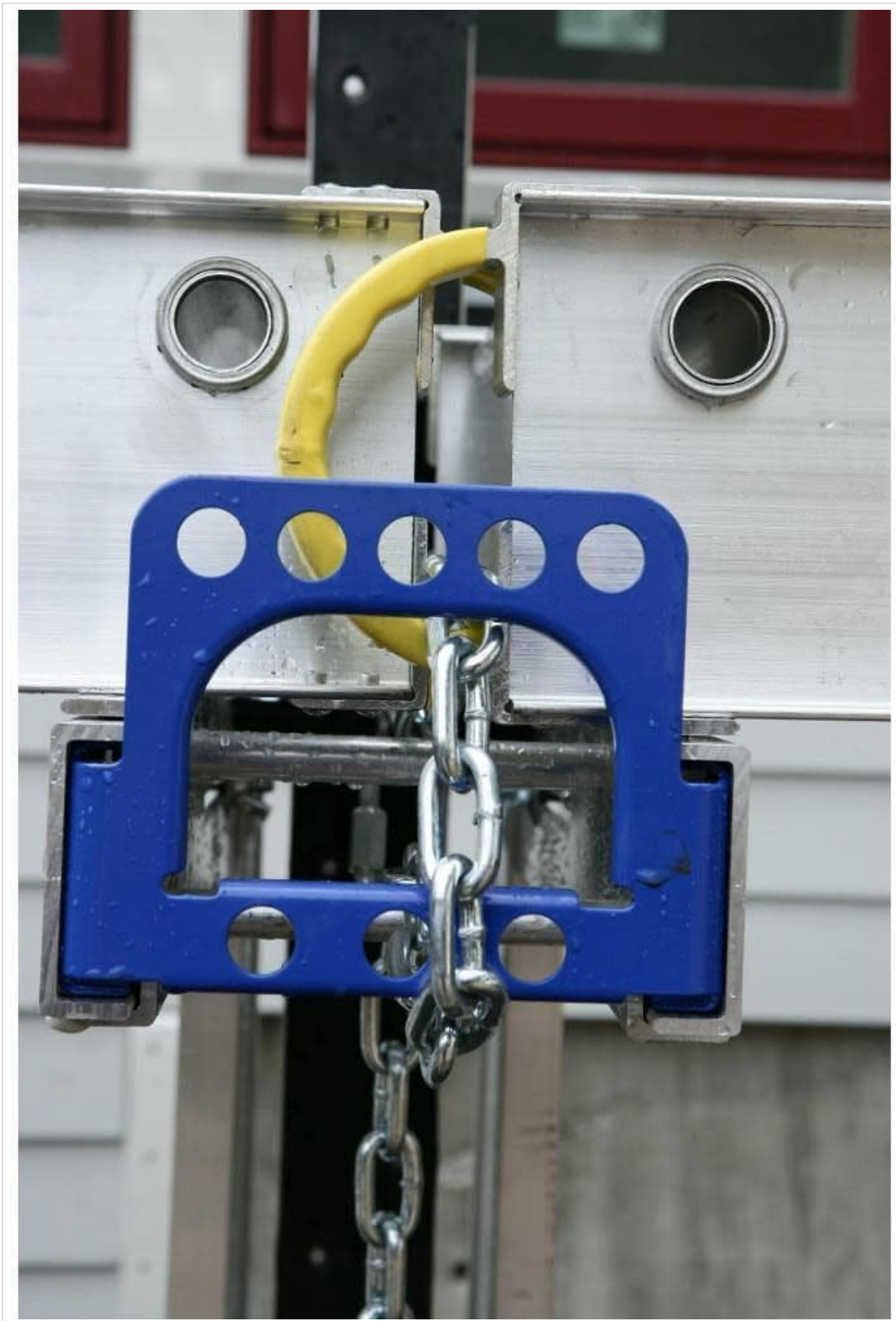


Image: A detailed view of the chain connection point on the pump jack, highlighting the secure fastening mechanism.

5. **Install Staging Planks:** Carefully place the staging planks onto the pump jack brackets. Ensure the planks are properly seated, centered, and secured to prevent any movement or dislodgement during use. Use appropriate plank retainers if required.



Image: Two workers carefully positioning a long staging plank onto two installed pump jack units, ensuring even distribution and secure placement.





Image: A fully assembled Werner pump jack system with a staging plank securely in place, demonstrating a ready-to-use setup.

6. **Final System Check:** Before allowing anyone onto the platform, perform a comprehensive final check. Verify all connections, locking pins, braces, and the overall stability of the entire pump jack system. Ensure the platform is level.

## 5. OPERATING INSTRUCTIONS

The Werner PJ-100 pump jack is designed for controlled vertical adjustment of staging planks. Follow these guidelines for safe operation:



- **Raising the Platform:** To raise the platform, operate the pump handle in a controlled, steady, and rhythmic motion. Ensure both pump jacks are operated simultaneously and evenly to maintain a level platform.
- **Lowering the Platform:** To lower the platform, carefully engage the release mechanism while controlling the descent with the pump handle. Lower both pump jacks simultaneously and evenly.
- **Load Management:** Never attempt to adjust the height of the platform with personnel or excessive load on it. The platform should be clear of workers and heavy materials during height adjustments.
- **Maintain Balance:** Always maintain proper balance and stability on the platform. Avoid sudden movements or shifting of heavy loads.
- **Regular Checks During Use:** Periodically check the stability of the entire system, including pole bracing and plank security, during extended periods of use.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and safe operation of your Werner PJ-100 Aluminum Pump Jack:

- **Cleaning:** Keep the pump jack units and poles free from dirt, debris, paint, and other foreign materials. Clean with a damp cloth and mild detergent. Avoid harsh chemicals that could damage the aluminum or moving parts.
- **Lubrication:** Periodically apply a suitable lubricant to all moving parts, such as the pump mechanism, gears, and locking pins, to ensure smooth operation and prevent corrosion.
- **Detailed Inspection:** Conduct thorough inspections before and after each use. Pay close attention to:
  - Bent, cracked, or corroded components.
  - Loose or missing fasteners, pins, or chains.
  - Wear on the pump mechanism or locking teeth.

Replace any damaged or worn parts immediately with genuine Werner replacement parts.

- **Storage:** Store the pump jack units, poles, and planks in a dry, protected area when not in use. This prevents exposure to elements that can cause corrosion or damage.

## 7. TROUBLESHOOTING

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If you encounter issues with your Werner PJ-100 Pump Jack, consider the following troubleshooting steps:

- **Difficulty Pumping or Adjusting Height:**
  - Check for any obstructions in the pump mechanism or along the vertical pole.
  - Ensure all moving parts are adequately lubricated.
  - Inspect for bent or damaged components that might be impeding movement.
- **Uneven Platform:**
  - Verify that both pump jacks are operating correctly and are adjusted to the exact same height.
  - Re-check the plumbness and stability of the vertical poles.
  - Ensure the staging plank is properly seated and secured on both pump jacks.
- **Locking Mechanism Not Engaging Securely:**
  - Immediately cease use if the locking mechanism does not engage firmly.

- Inspect the locking teeth and pawls for wear, damage, or debris.
- Do not attempt to force the mechanism. Replace damaged parts.

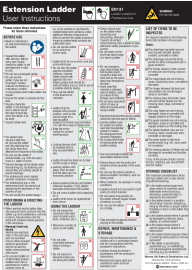
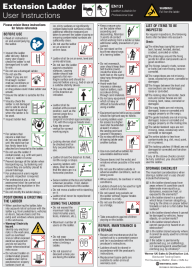
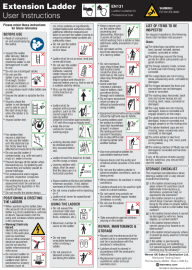


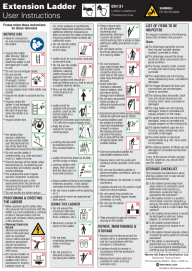
If issues persist or you are uncertain about the safety of the equipment, discontinue use and contact a qualified technician or the manufacturer for assistance.

## 8. SPECIFICATIONS

Feature	Detail
Manufacturer	Werner Co
Part Number	PJ-100
Item Weight	32 pounds
Package Dimensions	28.5 x 23.5 x 9.8 inches
Item Model Number	PJ-100
Material	Aluminum
Item Package Quantity	1
Date First Available	June 11, 2007

## 9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts for your Werner PJ-100 Aluminum Pump Jack, please contact Werner Co directly. Refer to the official Werner website or product packaging for the most current contact information and support resources.

	<p><a href="#">Werner Extension Ladder User Instructions and Safety Guide</a></p> <p>Comprehensive user instructions and safety guidelines for Werner Extension Ladders, covering safe use, positioning, maintenance, and inspection. Compliant with EN131 standards.</p>
	<p><a href="#">Werner Extension Ladder User Instructions and Safety Guide   EN131 Professional Use</a></p> <p>Comprehensive user instructions and safety guidelines for Werner EN131 professional extension ladders, covering safe use, positioning, maintenance, and inspection.</p>
	<p><a href="#">Werner Extension Ladder User Instructions &amp; Safety Guide</a></p> <p>Comprehensive user instructions and safety guidelines for Werner EN131 professional extension ladders. Covers pre-use checks, positioning, safe usage, repair, maintenance, and storage.</p>
	<p><a href="#">Werner LEANSAFE X3 Instruction Manual and Safety Guide</a></p> <p>Detailed instruction manual for the Werner LEANSAFE X3 multi-purpose combination ladder, covering safe usage, setup, maintenance, and safety guidelines.</p>
	<p><a href="#">Werner Telescopic Multi-Purpose Ladder Instruction Manual</a></p> <p>This manual provides essential safety instructions, setup guidelines, maintenance procedures, and transportation advice for the Werner telescopic multi-purpose ladder (PN125972). Learn how to use the ladder safely for various tasks.</p>
	<p><a href="#">Werner Extension Ladder User Instructions and Safety Guide</a></p> <p>Comprehensive user instructions and safety guidelines for Werner extension ladders, covering before use, positioning, erection, usage, maintenance, and storage. Includes EN131 compliance information.</p>



