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Sunex Tools 6811

SUNEX TOOLS 6811 3/4 Ton Short Underhoist Stand Instruction Manual

Model: 6811 | Brand: Sunex Tools

1. Introduction

The Sunex Tools 6811 3/4 Ton Short Underhoist Stand is designed to provide stable support for vehicle components during maintenance and repair operations. This stand is specifically engineered for applications where work is performed at "waist and chest high" levels on a two-post vehicle lift, ensuring safety and stability.

Key features include a bearing-mounted spin handle and a self-locking Acme threaded screw for easy and precise height adjustments under load. Its slender and lightweight design facilitates handling in confined spaces, while the 12-inch diameter base enhances overall stability. The contoured saddle is designed to support various component configurations effectively.

2. Safety Information

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

- Always read and understand the entire instruction manual before operating the underhoist stand.
- This stand is designed to **support vehicle components only**. It is not intended to support the entire vehicle or be used as a primary lifting device.
- Ensure the stand is placed on a **flat, level, and solid surface** capable of supporting the load.
- Do not exceed the rated load capacity of 3/4 Ton (1,500 lbs).
- Always center the load on the contoured saddle to prevent tipping.
- Before working under a supported component, ensure the stand is stable and the load is securely seated.
- Keep hands and clothing clear of moving parts during adjustment.
- Inspect the stand for any damage or wear before each use. Do not use if damaged.
- Use appropriate personal protective equipment (PPE) such as safety glasses and gloves.

3. Components Overview

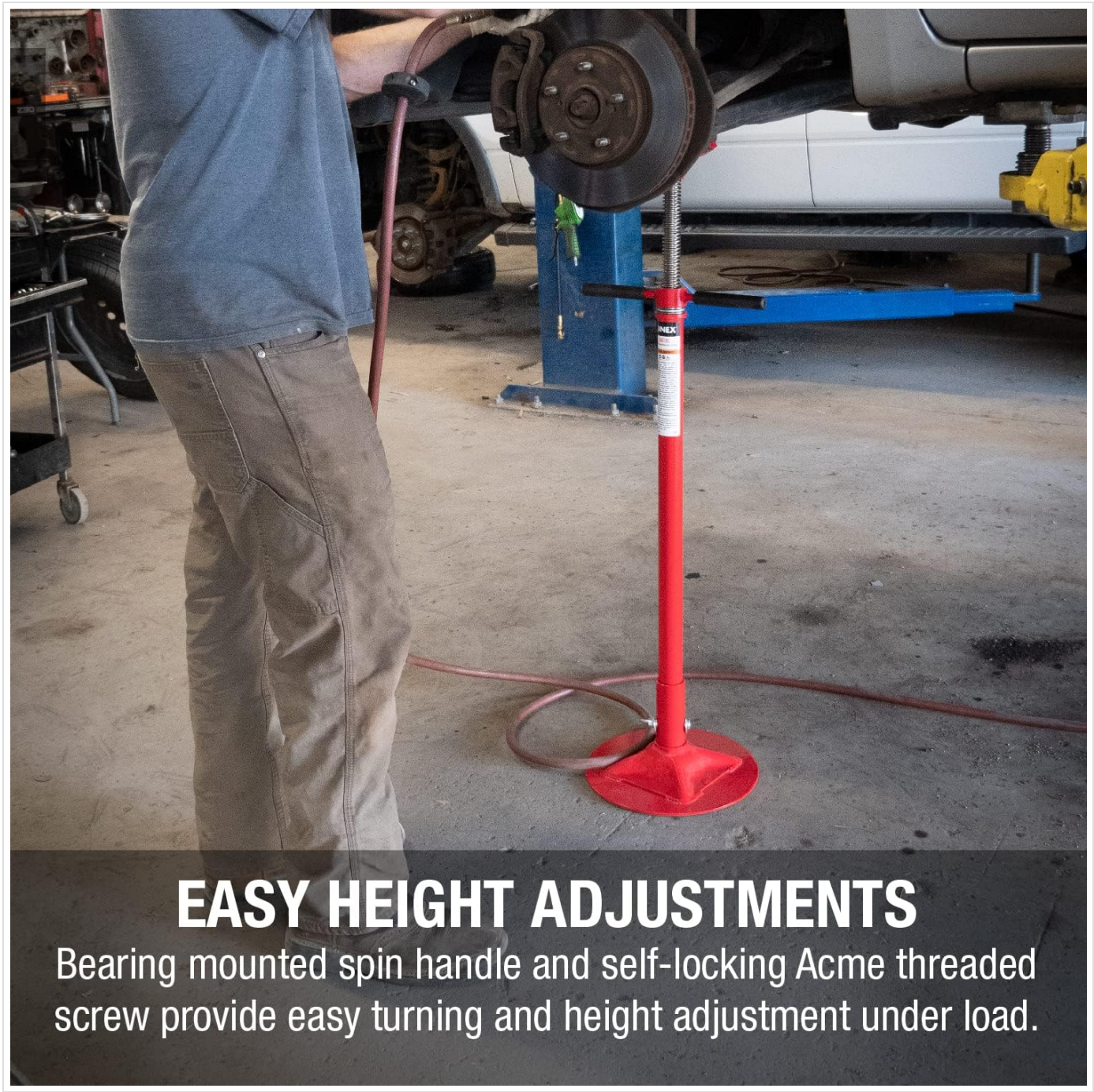
Familiarize yourself with the main components of your Sunex Tools 6811 Underhoist Stand:

Contoured Saddle



The top component designed to cradle and support various vehicle components securely. Its contoured shape helps prevent slippage.

Spin Handle & Acme Threaded Screw



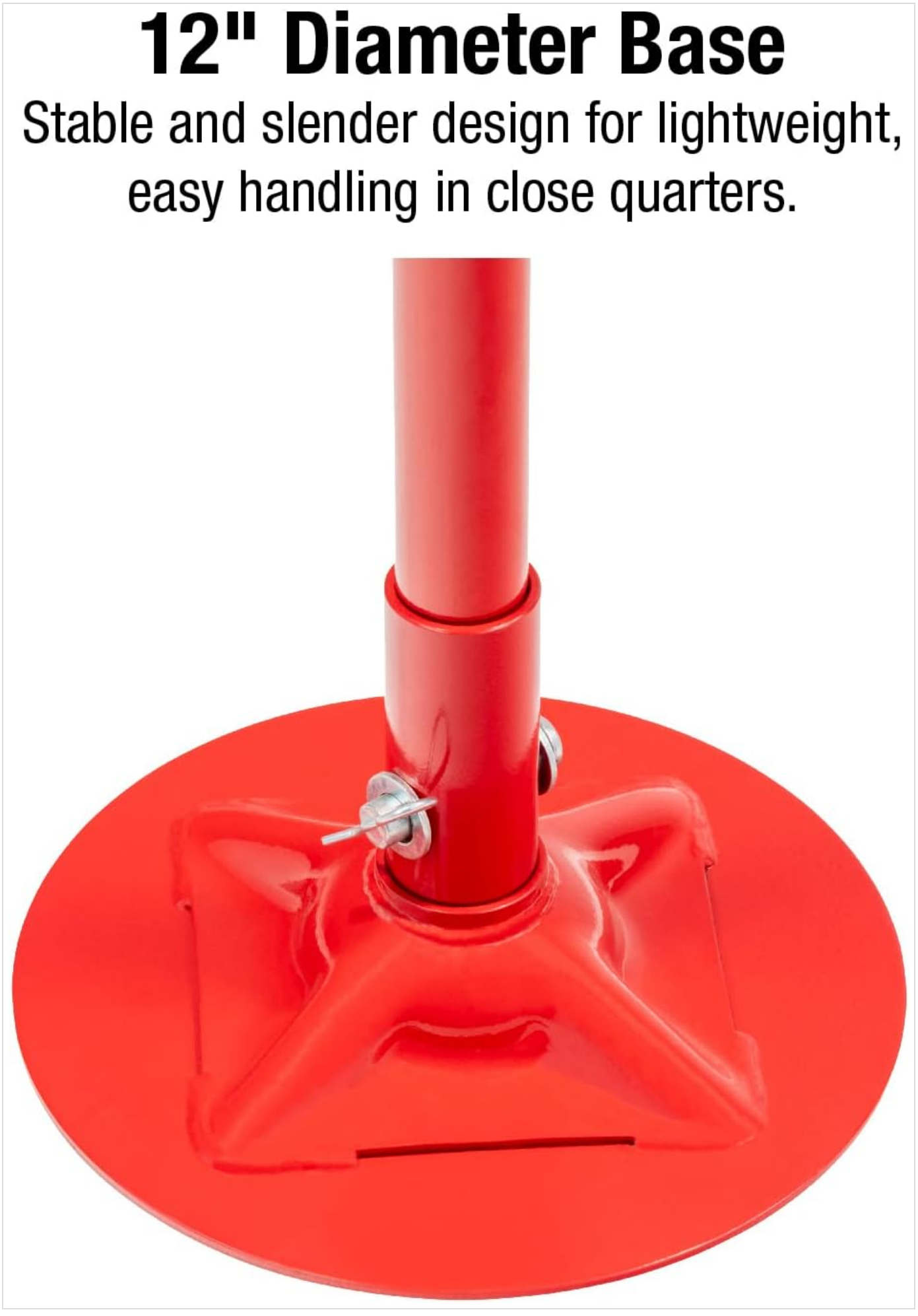
The horizontal bar with grips used to rotate the internal Acme threaded screw, allowing for precise and easy height adjustments even under load. The bearing-mounted design ensures smooth operation.

Main Column & Adjustable Column



The primary vertical support structure. The adjustable column slides within the main column to achieve the desired height, secured by the Acme threaded screw and a locking pin.

12" Diameter Base



The wide, stable base provides excellent support and prevents the stand from tipping. Its design contributes to the stand's

overall stability and ease of handling.

4. Setup and Assembly

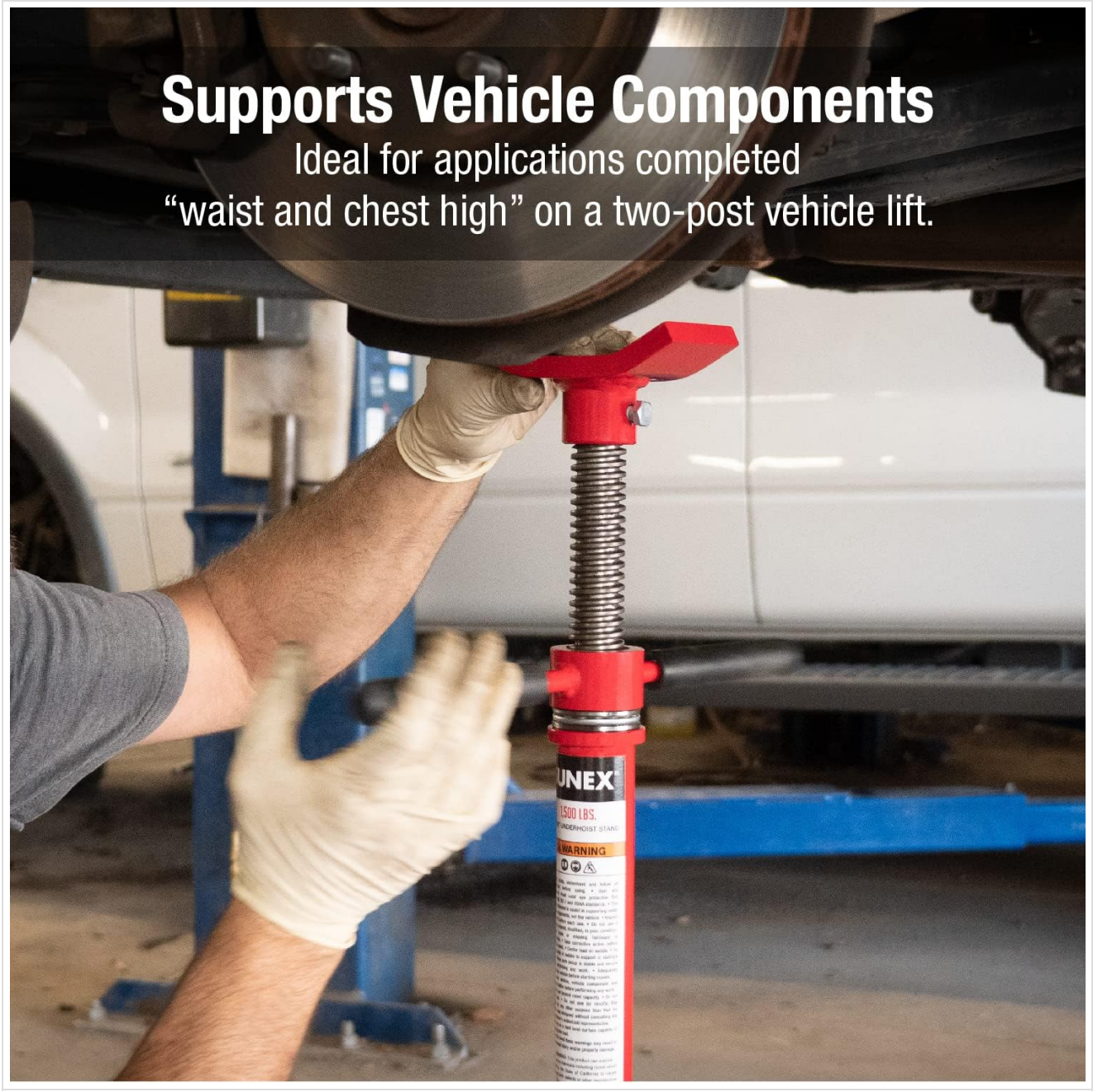
The Sunex Tools 6811 Underhoist Stand typically comes pre-assembled or requires minimal assembly. Follow these steps to prepare your stand for use:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Base Placement:** Place the 12-inch diameter base on a firm, level, and clean surface where the work will be performed. Ensure there are no obstructions or debris that could compromise stability.
3. **Column Assembly (if required):** If the main column is separate from the base, insert it securely into the base. Ensure any locking pins or bolts are properly engaged and tightened.
4. **Saddle Attachment:** Ensure the contoured saddle is securely attached to the adjustable column.
5. **Initial Height Adjustment:** Rotate the spin handle to raise or lower the adjustable column to a suitable starting height for your application.

5. Operating Instructions

Proper operation of the underhoist stand is crucial for safety and effectiveness. Always adhere to the safety guidelines outlined in Section 2.

1. **Prepare the Vehicle:** Ensure the vehicle is securely lifted on a two-post lift or other appropriate lifting equipment. The stand is intended for use when the vehicle components are at "waist and chest high" levels.
2. **Position the Stand:** Carefully position the underhoist stand directly beneath the vehicle component you intend to support. Common components include exhaust systems, transmissions, drive shafts, or suspension parts.
3. **Adjust Height:**



Using the spin handle, slowly raise the contoured saddle until it makes firm contact with the component. The self-locking Acme threaded screw allows for precise adjustments. Ensure the component is centered on the saddle for maximum stability.

4. **Verify Stability:** Before proceeding with work, gently test the stability of the supported component. Ensure there is no wobbling or shifting. The 12-inch diameter base provides extra stability, but proper load centering is essential.
5. **Work Safely:** Once the component is securely supported, you can proceed with your work. Always be mindful of the stand's position and the load it is supporting.
6. **Lowering the Component:** When finished, slowly lower the component by rotating the spin handle counter-clockwise. Once the component is no longer supported by the stand, carefully remove the stand from beneath the vehicle.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your underhoist stand.

- **Cleaning:** Keep the stand clean and free of dirt, grease, and debris. Wipe down surfaces with a clean cloth after each use.
- **Lubrication:** Periodically apply a light coat of general-purpose grease or oil to the Acme threaded screw and any

other moving parts to ensure smooth operation and prevent corrosion.

- **Inspection:** Before each use, inspect the stand for:
  - Cracks, bends, or damage to the frame, base, or saddle.
  - Wear or damage to the Acme threaded screw or spin handle.
  - Loose or missing fasteners.
  - Any signs of corrosion.

  If any damage is found, do not use the stand. Contact Sunex Tools for repair or replacement parts.
- **Storage:** Store the stand in a dry, clean area, away from extreme temperatures and corrosive materials.

7. Troubleshooting

This section addresses common issues you might encounter with your underhoist stand.

Problem	Possible Cause	Solution
Stand is unstable or wobbles.	Uneven surface. Load not centered on saddle. Exceeding load capacity.	Relocate stand to a flat, level, solid surface. Adjust component position to center load on saddle. Ensure load does not exceed 1,500 lbs (3/4 Ton).
Difficulty adjusting height.	Acme screw is dry or dirty. Screw threads are damaged. Excessive load.	Clean and lubricate the Acme threaded screw. Inspect screw for damage; if damaged, discontinue use and seek professional repair. Reduce load if exceeding capacity.
Stand appears damaged.	Impact or overload. Corrosion.	Do not use a damaged stand. Contact Sunex Tools for inspection, repair, or replacement.

8. Specifications

Attribute	Detail
Model Number	6811
Brand	Sunex Tools
Load Capacity	3/4 Ton (1,500 lbs / 680 kg)
Color	Red
Item Dimensions (L x W x H)	12 x 12.9 x 35.25 inches (30.5 x 32.8 x 89.5 cm)
Item Weight	29.3 pounds (13.3 kg)
Base Diameter	12 inches

9. Warranty Information

The Sunex Tools 6811 3/4 Ton Short Underhoist Stand comes with a**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

The warranty does not cover damage resulting from misuse, abuse, alteration, improper maintenance, or normal wear and tear. For specific warranty terms and conditions, please refer to the official Sunex Tools warranty policy or contact customer support.

10. Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Sunex Tools customer support.

Visit the official Sunex Tools website for the most up-to-date contact information and support resources. When contacting support, please have your product model number (6811) and purchase information readily available.

Note: Contact information is subject to change. Please refer to the manufacturer's official website for current details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question