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IRONMAX HYL-4532-AT

IRONMAX HYL-4532-AT Steel Hydraulic Motorcycle Lift Jack Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your IRONMAX HYL-4532-AT Steel Hydraulic Motorcycle Lift Jack. Designed for versatility, this lift jack offers a 1500 lbs capacity, making it suitable for various motorcycles, ATVs, tractors, and dirt bikes. Its foot-operated hydraulic system and safety locking mechanism ensure secure and convenient lifting for maintenance tasks.

Key Features:

- **Wide Application:** Suitable for motorcycles, ATVs, tractors, touring bikes, personal watercraft, snowmobiles, and industrial repairs.
- **3-Position Safety Locking Mechanism:** Ensures stability and safety at different lifted angles.
- **Easy-to-Operate Manual Lift:** Foot pump pedal for hydraulic operation.
- **Premium and Durable Material:** Heavy-duty steel frame with anti-slip textured rubber pads.
- **Convenient for Moving & Storage:** Equipped with normal and universal wheels, plus an easy-to-grasp T-shape handle.

2. Safety Information

Always prioritize safety when operating the hydraulic lift jack. Failure to follow these warnings and instructions can result in serious injury or damage to property.

- Read and understand the entire instruction manual before assembly, installation, operation, or servicing this product.
- Do not exceed the maximum rated capacity of 1500 lbs.
- Ensure the motorcycle or vehicle is properly balanced and secured on the lift platform before lifting.
- Always engage the safety locking mechanism once the desired height is reached.
- Use on a hard, level surface. Avoid uneven or soft ground.
- Keep hands and feet clear of moving parts during operation.
- Do not modify the lift jack. Use only manufacturer-approved replacement parts.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.

3. What's in the Box

Verify that all components are present before beginning assembly:

- 1 x Motorcycle Lift Jack
- 1 x Instruction Manual

Note: Additional small parts like bolts, nuts, and pins for assembly are included with the main unit.

4. Setup

The IRONMAX HYL-4532-AT Hydraulic Motorcycle Lift Jack comes mostly pre-assembled. Minor assembly is required to attach the handle and ensure the hydraulic unit is correctly positioned.

1. **Attach the Handle:** Insert the handle into the designated slot on the hydraulic unit and secure it with the provided bolt and nut.
2. **Secure Hydraulic Unit:** Ensure the hydraulic unit is firmly seated and secured within the lift's frame using the provided fasteners.
3. **Check Wheels:** Verify that all four wheels (2 normal, 2 universal) are securely attached to the base for proper mobility.



Figure 4.1: The IRONMAX Steel Hydraulic Motorcycle Lift Jack in its assembled state.

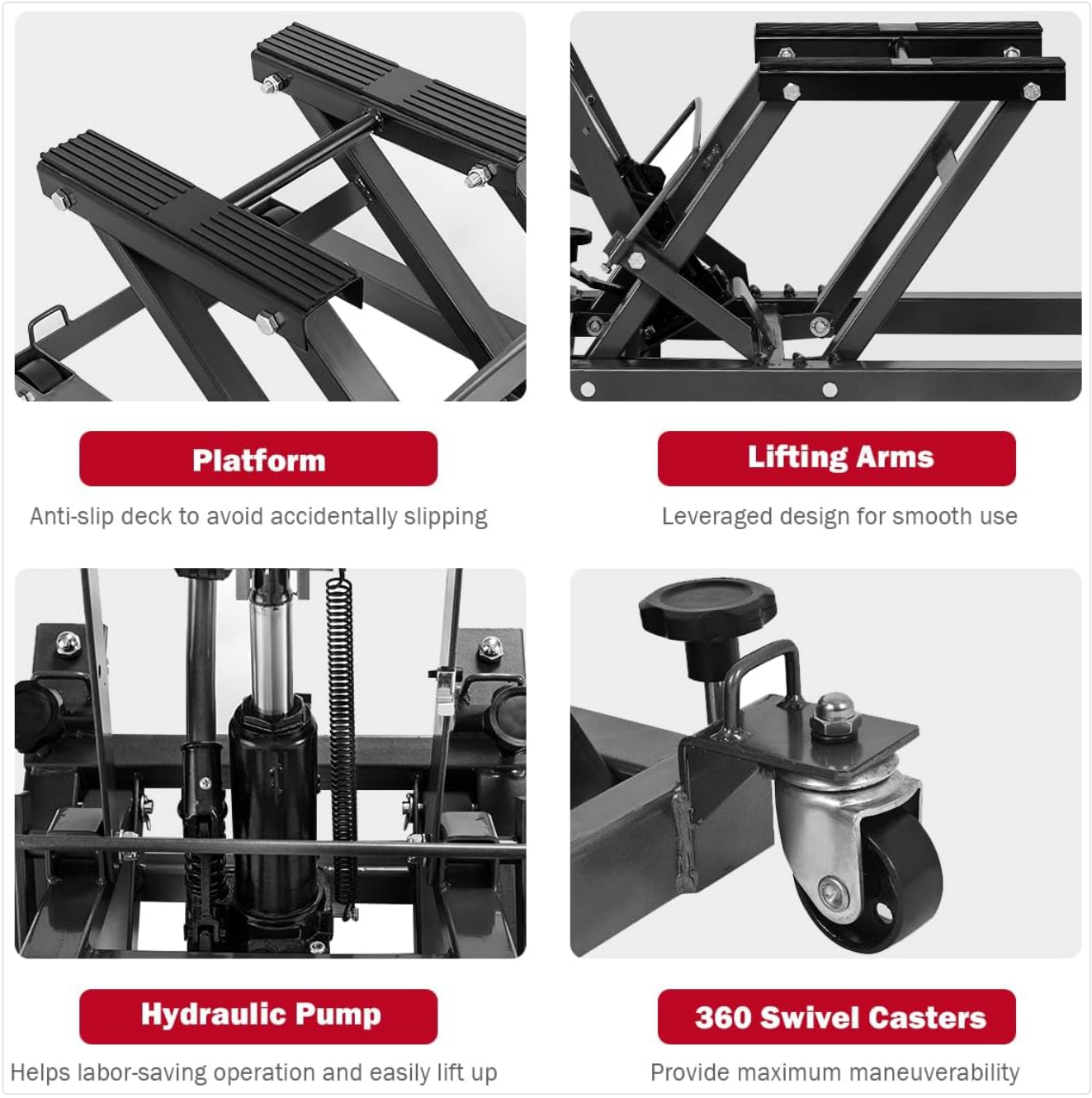


Figure 4.2: Key components of the lift jack, including the anti-slip platform, lifting arms, hydraulic pump, and 360-degree swivel casters.

Setup Video Guide:

Your browser does not support the video tag. Please update your browser to view this content.

Video 4.1: Detailed assembly instructions for the Hydraulic Motorcycle Lift Jack. This video demonstrates the step-by-step process of putting together the lift jack, including attaching the handle and securing the hydraulic components.

5. Operating Instructions

Follow these steps to safely lift, secure, and lower your motorcycle or ATV using the IRONMAX Hydraulic Lift Jack.

1. **Position the Lift:** Roll the lift jack underneath the center of your motorcycle or ATV, ensuring the anti-slip rubber pads are directly beneath a stable part of the vehicle's frame.
2. **Lift the Vehicle:** Repeatedly press the foot pump pedal with your foot to raise the lift. The hydraulic mechanism will elevate the vehicle smoothly.
3. **Engage Safety Lock:** Once the desired height (between 5.5" to 17") is reached, engage the 3-position safety

locking mechanism to prevent accidental lowering.

4. **Lower the Vehicle:** To lower, disengage the safety lock and slowly release the hydraulic pressure using the appropriate lever or valve. Guide the vehicle down gently.



Figure 5.1: A motorcycle positioned on the lift jack, ready for maintenance. The lift provides stable elevation for various tasks.

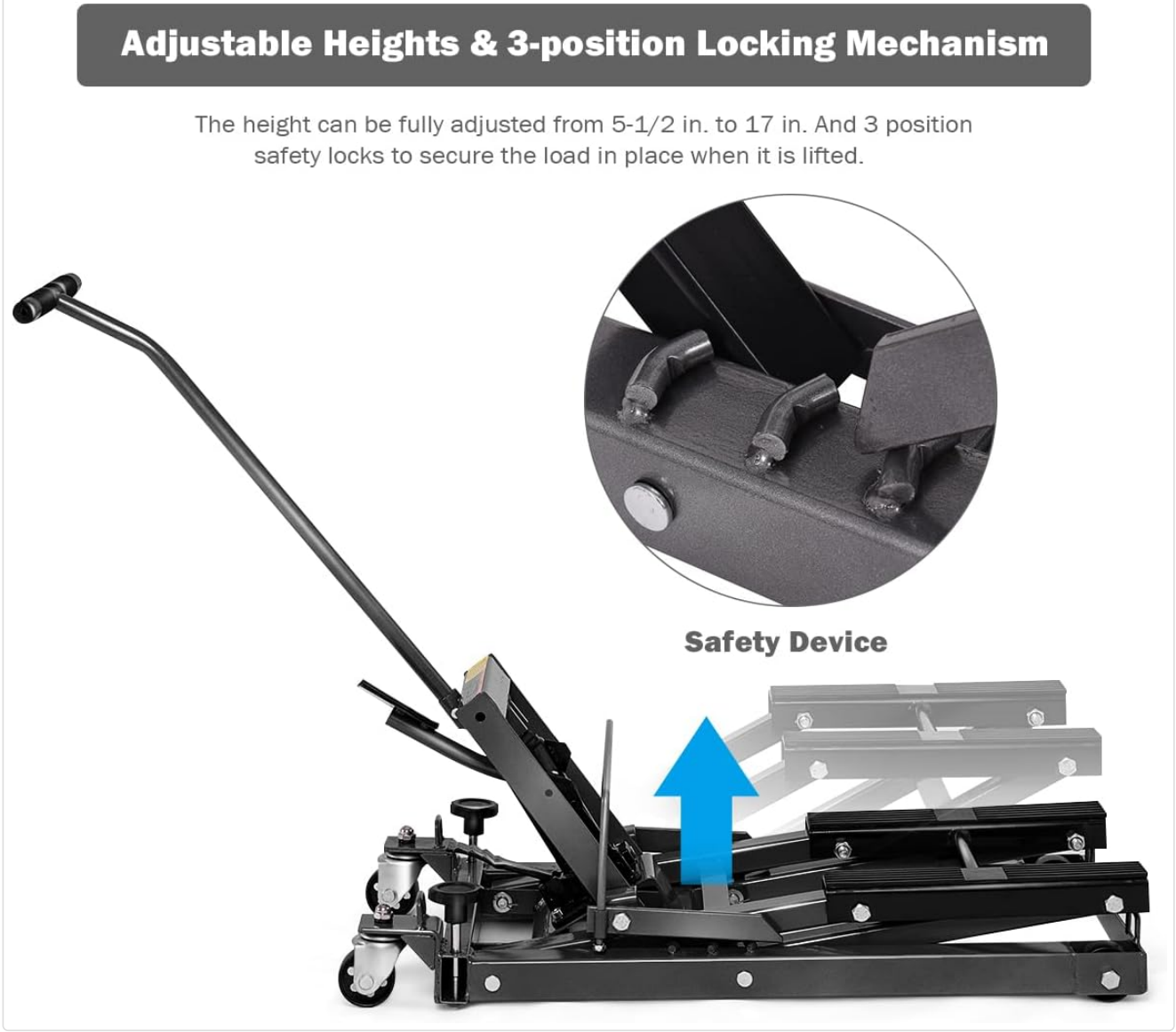


Figure 5.2: Illustration of the adjustable height range and the crucial 3-position safety locking mechanism for secure operation.



Figure 5.3: Close-up of the T-shape handle for maneuvering and the foot pedal for hydraulic lifting, highlighting user-friendly design.

Operation Video Guide:

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Video 5.1: A brief guidance video demonstrating the operation of the 1500LBS Hydraulic Motorcycle Lift Jack, including lifting and lowering procedures.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your IRONMAX Hydraulic Lift Jack.

- **Cleaning:** Keep the lift clean from dirt, grease, and debris. Use a damp cloth for cleaning.
- **Lubrication:** Periodically lubricate all pivot points and moving parts with appropriate grease or oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. Top up if necessary with hydraulic jack oil. Refer to the manufacturer's recommendations for fluid type.
- **Inspection:** Before each use, inspect the lift for any signs of damage, wear, or loose fasteners. Pay close attention to the frame, lifting arms, and hydraulic cylinder.

- **Storage:** Store the lift in a dry, clean area. When not in use, lower the lift completely to its minimum height.

7. Troubleshooting

Below are common issues and their potential solutions:

Problem	Possible Cause	Solution
Lift does not raise	Low hydraulic fluid level Air in hydraulic system Release valve open	Check and refill hydraulic fluid Bleed air from the system (refer to hydraulic unit instructions) Ensure release valve is fully closed
Lift loses pressure/lowers slowly	Leaking hydraulic fluid Faulty seals Overload	Inspect for leaks and repair Contact customer support for seal replacement Do not exceed 1500 lbs capacity
Lift is unstable	Uneven surface Vehicle not centered Safety lock not engaged	Use on a hard, level surface Reposition vehicle centrally on pads Engage safety lock after lifting

8. Specifications

Feature	Detail
Brand	IRONMAX
Model Number	HYL-4532-AT
Load Capacity	1500 Pounds
Material	Alloy Steel
Lifting Range	5.5" to 17"
Product Dimensions (L x W x H)	32.5 x 16 x 5.5 inches (folded)
Item Weight	61 pounds
Vehicle Service Type	ATV, Snowmobile, Utility Terra
UPC	798470104785



Figure 8.1: Visual representation of the product dimensions and key specifications.

9. Warranty & Support

For warranty information, technical support, or to inquire about replacement parts, please refer to the contact details provided with your purchase documentation or visit the official IRONMAX website.

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