

BILT HARD PLA

BILT HARD 10000 LBS Two Post Clearfloor Automotive Vehicle Lift User Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your BILT HARD 10000 LBS Two Post Clearfloor Automotive Vehicle Lift. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The BILT HARD 10000 LBS Two Post Clearfloor Automotive Vehicle Lift is designed for lifting vehicles up to 10,000 pounds, providing clear under-vehicle access for maintenance and repairs. It features a robust hydraulic system and a fixed top beam for stability.

SAFETY INFORMATION

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

- Ensure the lift is installed on a level, solid concrete foundation capable of supporting the lift's weight and maximum load.
- Only qualified personnel should install, operate, and maintain this equipment.
- Always wear appropriate personal protective equipment (PPE) including safety glasses and steel-toed boots.
- Never exceed the maximum rated load capacity of 10,000 lbs (4.5 tons).
- Before lifting, ensure the vehicle is centered and stable on the lift arms. Use proper lifting points as specified by the vehicle manufacturer.
- Always engage the safety locks before working under a lifted vehicle.
- Keep hands and feet clear of moving parts during operation.
- Do not operate the lift if any part is damaged or malfunctioning.
- Ensure adequate clearance around the lift for safe operation and vehicle movement.

WIDE APPLICATION

The 2-post car lift is a useful tool for car repair garages, car manufacturing workshops, etc.

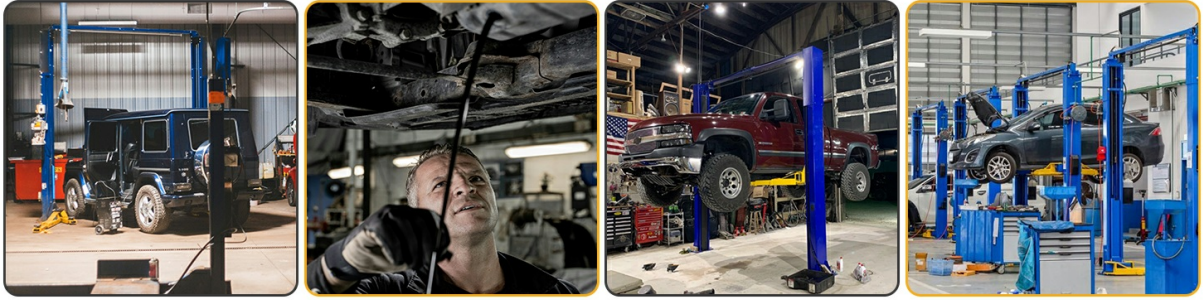


Image: The lift features advanced safety sensors to prevent over-lifting, drops, and uneven lowering, enhancing operational safety.

SETUP AND INSTALLATION

Proper installation is critical for the safe and reliable operation of your BILT HARD Two Post Car Lift. It is recommended that installation be performed by experienced professionals.

Site Requirements

- **Foundation:** A level concrete slab, minimum 6 inches thick, with a minimum compressive strength of 3000 PSI.
- **Overhead Clearance:** Ensure sufficient overhead clearance for the lift's maximum height and the vehicles being lifted. The lift has an overall height of 146.46 inches.
- **Electrical Supply:** A dedicated 220V, 60HZ, 1-phase power supply with a 3HP motor.

Assembly Steps (General Overview)

1. Unpack all components and verify against the packing list.
2. Position the columns according to the specified dimensions, ensuring the fixed top beam can be securely installed. The overall width is 137.64 inches, with a drive-through width of 103.07 inches.
3. Anchor the columns to the concrete floor using appropriate anchor bolts.
4. Install the overhead beam, ensuring all cables and hydraulic lines are routed correctly.
5. Connect the hydraulic power unit and fill with recommended hydraulic fluid.
6. Install the lift arms and ensure they move freely and engage the safety locks properly.
7. Perform initial system checks and bleed the hydraulic system as per detailed instructions provided in the full manual.

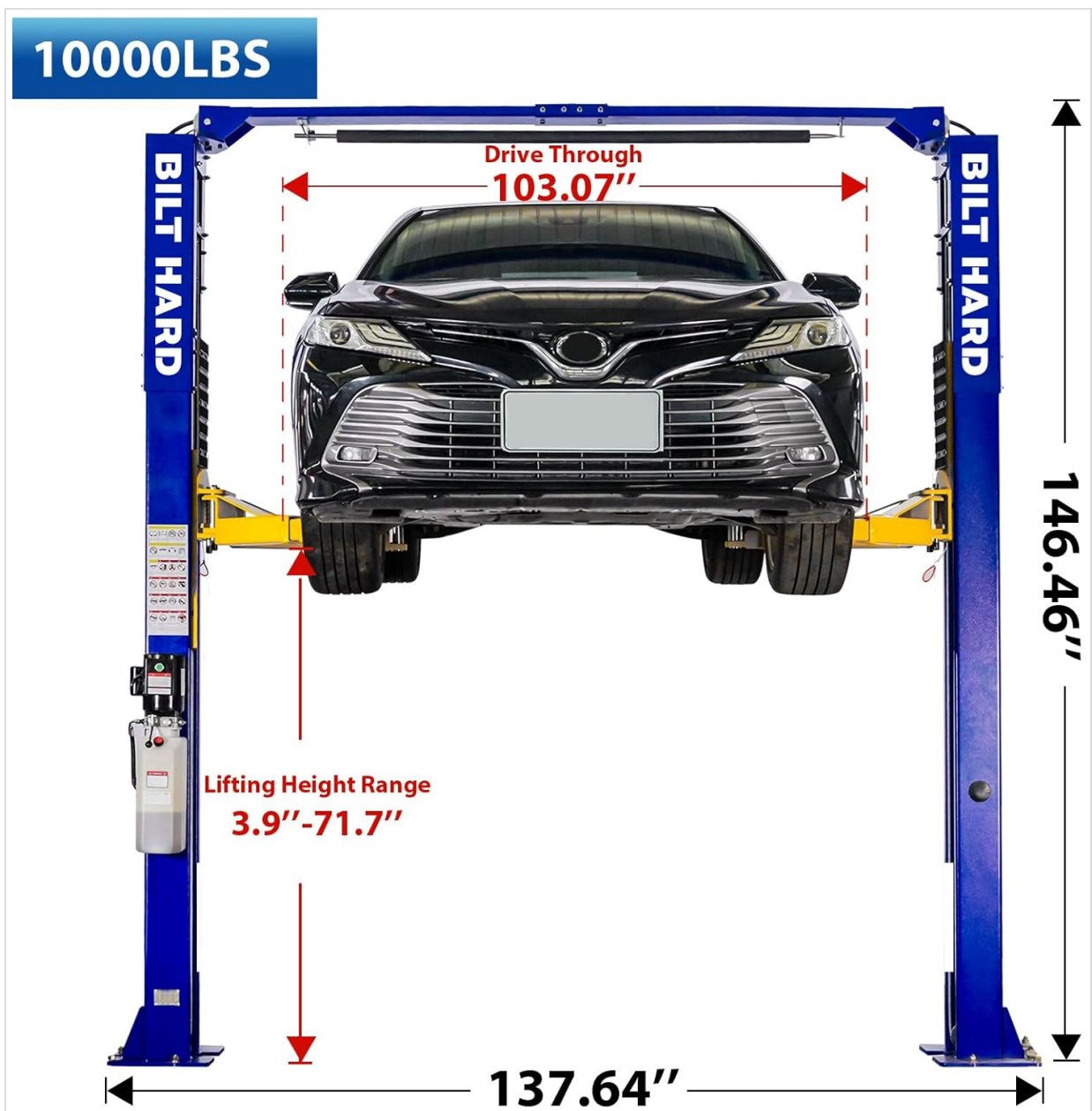
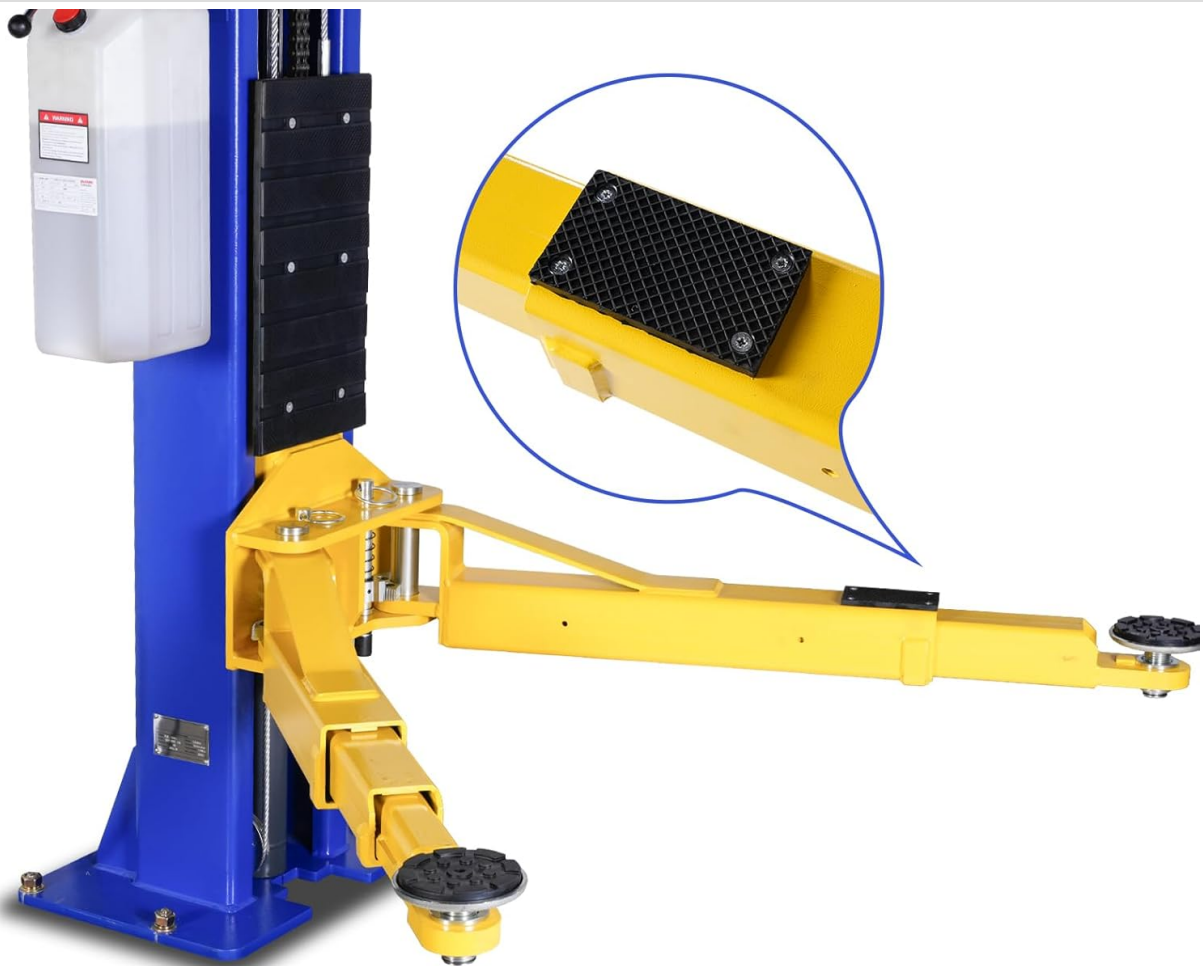


Image: Detailed dimensions of the BILT HARD Two Post Car Lift, showing overall width, height, and drive-through clearance.



Safely lift vehicles weighing up to 10000 Lbs

Image: Close-up view of a lift arm with an adjustable pad, designed to safely support vehicle undercarriages.

Your browser does not support the video tag.

Video: This video demonstrates the installation process for a 10000lbs 2 Post Car Overhead Car Lift. While it may not be the exact BILT HARD model, it provides a general overview of the steps involved in setting up a similar overhead two-post lift.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your BILT HARD Two Post Car Lift.

Lifting a Vehicle

1. **Prepare the Vehicle:** Drive the vehicle onto the lift, ensuring it is centered between the columns. The lift's clear-floor design allows for easy positioning.
2. **Position Lift Arms:** Swing the lift arms into position under the vehicle's designated lifting points. Adjust the pads to make firm contact with the vehicle's frame or pinch welds. Ensure the automatic arm restraints engage.
3. **Initial Lift:** Press the "UP" button on the power unit to slowly raise the vehicle a few inches off the ground.
4. **Check Stability:** Carefully check that the vehicle is stable and securely supported on all four pads. If not, lower the vehicle and reposition the arms.
5. **Raise to Desired Height:** Continue to raise the vehicle to the desired working height. The lift has a lifting

height range of 3.9 to 71.7 inches.

6. **Engage Safety Locks:** Once at the desired height, lower the vehicle slightly until the safety locks engage. This transfers the load from the hydraulic system to the mechanical locks, ensuring safety. The lift features a 2-point safety lock release system.

Lowering a Vehicle

1. **Clear Area:** Ensure no tools, personnel, or obstructions are under or around the vehicle.
2. **Raise Slightly:** Press the "UP" button to slightly raise the vehicle, disengaging the safety locks.
3. **Release Safety Locks:** Activate the single-point safety lock release mechanism.
4. **Lower Vehicle:** Press the "DOWN" lever or button to slowly lower the vehicle to the ground. Monitor the vehicle's descent.
5. **Remove Arms:** Once the vehicle is fully on the ground, swing the lift arms clear before driving the vehicle off the lift.



Image: A white minivan safely lifted by the BILT HARD Two Post Car Lift, demonstrating its capacity for larger vehicles.



Image: A black sedan lifted by the BILT HARD Two Post Car Lift, showcasing the lift's versatility for various vehicle types.

Your browser does not support the video tag.

Video: This video demonstrates the operation of a BILT HARD 10,000lbs Overhead 2 Post Car Lift, showing the lifting and lowering process.

MAINTENANCE

Regular maintenance is essential to ensure the longevity and safe operation of your BILT HARD Two Post Car Lift.

Daily Checks

- Inspect all cables and chains for wear, fraying, or damage.
- Check hydraulic hoses for leaks or damage.
- Verify that safety locks engage and disengage properly.
- Ensure lift arm restraints are functioning correctly.

Weekly Checks

- Check hydraulic fluid level and top off if necessary. Use recommended hydraulic fluid.
- Lubricate all pivot points, rollers, and sliding surfaces with appropriate grease.
- Inspect anchor bolts for tightness.

Monthly Checks

- Inspect all electrical connections for corrosion or damage.
- Check for proper synchronization of lifting carriages.
- Clean the power unit and surrounding area.

Always refer to the detailed maintenance schedule in the complete product manual for specific lubrication points and intervals.



Image: A detailed view of the hydraulic power unit and the robust chain drive system, key components requiring regular inspection and maintenance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your BILT HARD Two Post Car Lift. For more complex problems, contact qualified service personnel.

Common Issues and Solutions

Problem	Possible Cause	Solution
Lift does not raise	No power, low hydraulic fluid, motor issue, clogged filter.	Check power supply and circuit breaker. Verify hydraulic fluid level. Inspect motor and filter.
Lift raises slowly or unevenly	Low hydraulic fluid, air in system, worn pump, uneven load.	Check fluid level. Bleed air from the system. Ensure vehicle is centered. Inspect pump.
Lift does not lower	Safety locks engaged, lowering valve stuck, hydraulic pressure issue.	Ensure safety locks are fully disengaged. Check lowering valve. Consult manual for hydraulic system checks.
Unusual noises during operation	Lack of lubrication, loose components, worn bearings.	Lubricate all moving parts. Inspect for loose bolts or worn components.

Always disconnect power to the lift before attempting any repairs or maintenance.

SPECIFICATIONS

Key technical specifications for the BILT HARD 10000 LBS Two Post Clearfloor Automotive Vehicle Lift.

Specification	Value
Model	PLA
Load Capacity	10,000 lbs (4.5 Tons)
Motor Power	3 HP
Phase	1 PH
Voltage	220V
Frequency	60 HZ
Overall Width	137.64 inches
Overall Height	146.46 inches
Drive-Through Width	103.07 inches
Lifting Height Range	3.9 - 71.7 inches
Material	Alloy Steel
Vehicle Service Type	Car, Sport Utility Vehicle, Truck

WARRANTY AND SUPPORT

For specific warranty details regarding your BILT HARD Two Post Car Lift, please refer to the warranty card included with your product or contact BILT HARD customer service directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

For technical assistance, parts inquiries, or any operational questions not covered in this manual, please contact BILT HARD customer support. Have your model number (PLA) and purchase date available when contacting support.

Manufacturer: BILT HARD