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Garvee PPG_33EY8PSU-S703c

Garvee Hydraulic Lawn Mower Lift Jack User Manual

Model: PPG_33EY8PSU-S703c

1. Important Safety Information

Read and understand all safety warnings and instructions before operating this hydraulic lift jack. Failure to follow these instructions may result in serious injury or property damage. Keep this manual for future reference.

- **Maximum Load Capacity:** Do not exceed the maximum load capacity of 550 lbs (250 kgs).
- **Stable Surface:** Always operate the lift on a hard, level, and stable surface.
- **Secure Load:** Ensure the lawn mower or tractor is properly centered and secured on the lift saddles before raising.
- **Safety Lock:** Always engage the safety lock mechanism once the desired height is reached. Never work under a load supported only by the hydraulic cylinder.
- **Clear Area:** Keep hands, feet, and other body parts clear of moving parts during operation.
- **Children and Pets:** Keep children and pets away from the lift during operation.
- **Maintenance:** Regularly inspect the lift for any signs of damage or wear. Do not use if damaged.

2. Product Overview

The Garvee Hydraulic Lawn Mower Lift Jack is designed for safe and efficient lifting of zero-turn mowers, riding mowers, and lawn tractors for maintenance and repairs. Constructed from reinforced Q235 steel, it offers reliable performance and a lifting height of up to 23 inches. Its adjustable wheel span accommodates various machine sizes, and the ergonomic design ensures ease of use.



Figure 2.1: Garvee Hydraulic Lawn Mower Lift Jack with adjustable height and application examples.

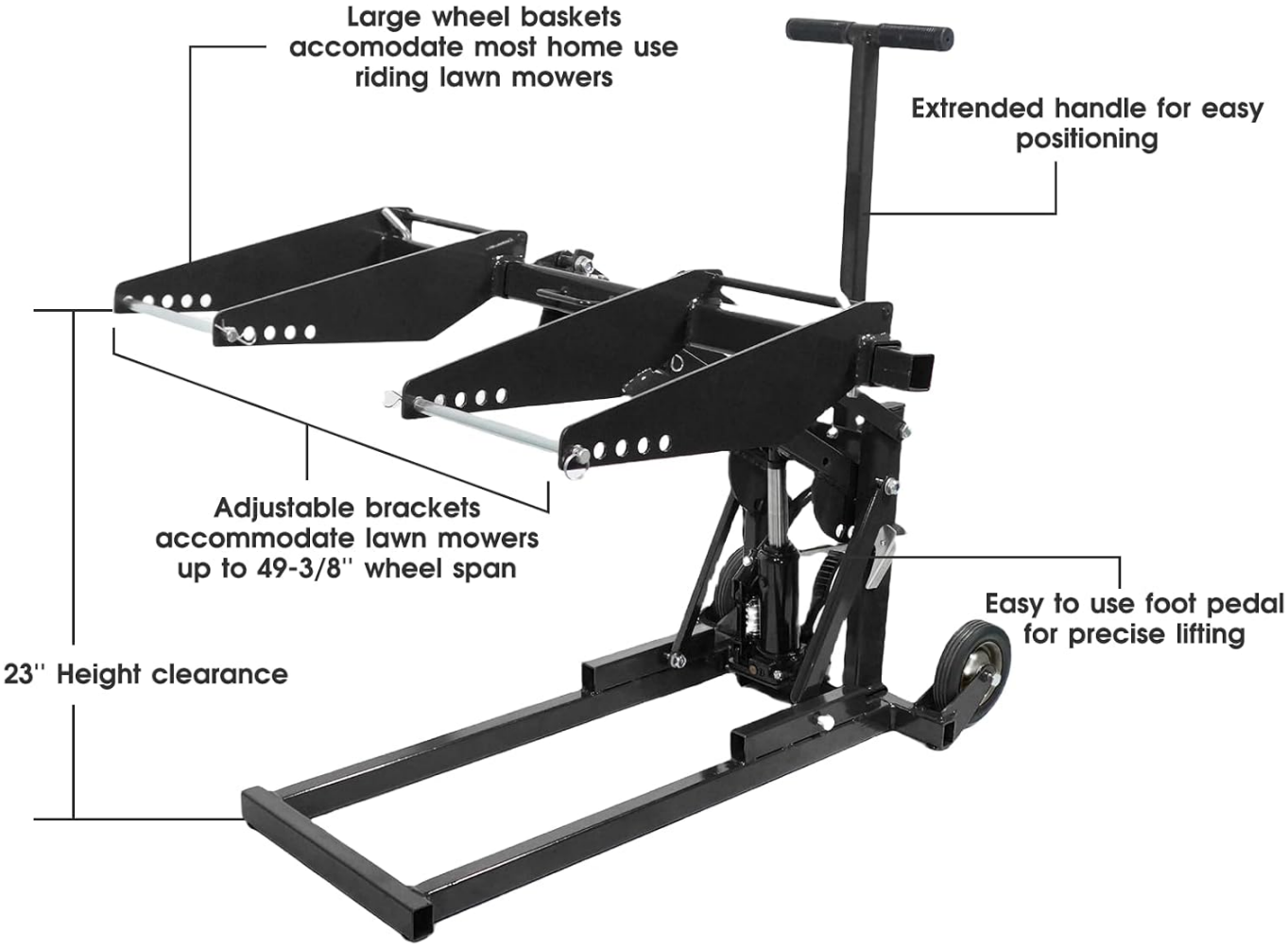

Figure 2.2: Key features and dimensions of the lift jack.

3. Assembly Instructions

The following steps detail the assembly process for your Garvee Hydraulic Lawn Mower Lift Jack. Refer to the assembly video for visual guidance. Ensure all bolts are tightened securely during installation.

▶ **Watch video online**
Lawn mower lift jack

Video 3.1: Assembly guide for the Garvee Hydraulic Lawn Mower Lift Jack.

3.1. Step-by-Step Assembly

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify all components are present according to the parts list (refer to video 0:02-0:04).
2. **Assemble Base and Post:** Attach the main post to the base frame using the provided M12x90 bolts, washers, and lock nuts (refer to video 0:05-0:12). Ensure a secure connection.
3. **Install Hydraulic Pump:** Position the hydraulic pump unit into its designated slot on the main frame. Secure it using the pin and R-pins (refer to video 0:13-0:22).
4. **Attach Wheels:** Install the 6-inch wheels to the base using the M12x70 bolts, washers, and lock nuts (refer to video 0:23-0:36). Apply lubricant if necessary for smooth rotation.
5. **Connect Lifting Arm A:** Attach Lifting Arm A to the main assembly using the pin and supports. Secure with bolts, washers, and lock nuts (refer to video 0:37-1:26).
6. **Secure Pump to Lifting Arm:** Insert the pin through the top of the hydraulic pump and the corresponding hole in Lifting Arm A. Secure with circlip pliers and rings (refer to video 1:27-1:40).
7. **Connect Lifting Arm B:** Attach Lifting Arm B to the main assembly using the provided bolts, washers, and lock nuts. Ensure the connector and tubes are correctly aligned (refer to video 1:41-2:38).
8. **Install Long Tube:** Insert the long tube through the designated holes in the lifting arms and secure it with pins and R-pins (refer to video 2:39-3:17).
9. **Attach Foot Pedal:** Connect the foot pedal to its pivot point on the base frame using the appropriate bolt and nut (refer to video 3:18-3:24).
10. **Install Handle:** Attach the handle to the top of the main post using the M8x50 bolts, washers, and lock nuts. Place the rubber caps on top (refer to video 3:39-4:09).
11. **Final Checks:** Ensure all connections are tight and the lift operates smoothly before first use.

4. Operating Instructions

4.1. Preparing for Lift

- Position the lift jack on a firm, level surface.
- Ensure the area around the lift is clear of obstructions and personnel.
- Adjust the wheel span of the lift saddles to match the width of your mower's wheels.
- Carefully roll the mower onto the lift saddles, ensuring it is centered and stable.

4.2. Lifting the Mower

1. With the mower securely on the saddles, press the foot pedal repeatedly to activate the hydraulic pump and raise the lift.
2. Raise the mower to the desired working height.
3. Once the desired height is reached, engage the safety lock mechanism. The safety lock must remain vertical and in the working position (refer to video 4:10-4:48). This is crucial for safety and prevents accidental lowering.
4. Before working under the mower, double-check that the safety lock is fully engaged and the lift is stable.

4.3. Lowering the Mower

1. Ensure no one is under or near the mower.
2. To lower the mower, pull up the safety lock to make it parallel to the ground, allowing the machine to depressurize and descend (refer to video 4:10-4:48).
3. The mower will slowly descend. Guide it carefully off the lift once it reaches the ground.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your Garvee Hydraulic Lawn Mower Lift Jack.

- **Cleaning:** Wipe down the lift after each use to remove dirt, grass, and debris. Use a damp cloth and mild detergent if necessary.
- **Lubrication:** Periodically lubricate all pivot points and moving parts with a general-purpose grease or oil to ensure smooth operation and prevent rust.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. If low, refill with a high-quality hydraulic jack oil. Consult a professional if you notice leaks or performance issues.
- **Inspection:** Before each use, inspect the entire lift for any signs of damage, cracks, bends, or loose fasteners. Pay close attention to welds, pins, and the hydraulic cylinder. Replace any damaged parts immediately.
- **Storage:** Store the lift in a dry, clean area when not in use to prevent corrosion. Lower the lift completely before storage.

6. Troubleshooting

If you encounter issues with your lift jack, refer to the following common problems and solutions:

- **Lift does not raise:**
  - Check hydraulic fluid level and refill if necessary.
  - Ensure the release valve is fully closed.
  - Verify no air is trapped in the hydraulic system (may require bleeding, consult a professional).
- **Lift raises slowly or unevenly:**
  - Check hydraulic fluid level.
  - Inspect for bent or damaged components that may be causing friction.
- **Lift descends unexpectedly:**
  - Ensure the release valve is fully closed.
  - Check for hydraulic fluid leaks. Do not use if leaks are present.
  - Verify the safety lock is properly engaged when working under a raised load.
- **Excessive noise during operation:**
  - Lubricate moving parts.
  - Check for loose fasteners and tighten as needed.

If problems persist after attempting these solutions, contact Garvee customer support for assistance.

7. Specifications

Feature	Specification
Brand	Garvee
Model Number	PPG_33EY8PSU-S703c
Material	Alloy Steel
Color	Black
Power Source	Hydraulic Powered
Operation Mode	Manual
Maximum Load Capacity	550 LBS (250 KGS)
Maximum Lifting Height	Up to 23 inches
Adjustable Wheel Span	Up to 49-3/8 inches
Item Weight	114.24 Pounds
Product Dimensions (D x W x H)	41.34"D x 21.65"W x 7.48"H
Assembly Required	Yes

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