

LiftMaster 6490

LiftMaster 3 Ton Heavy Duty Ultra Low Profile Steel Floor Jack

Model: 6490

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your LiftMaster 3 Ton Heavy Duty Ultra Low Profile Steel Floor Jack. Designed for automotive lifting tasks, this jack features a robust steel construction, a low-profile design for accessing vehicles with minimal ground clearance, and a dual pump system for efficient lifting.

Please read this manual thoroughly before using the jack to ensure proper understanding of its functions and safety precautions.

2. SAFETY INFORMATION

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

- Always use the jack on a hard, level surface. Avoid uneven ground.
- Never exceed the rated load capacity of 3 tons.
- Always use appropriate jack stands to support the vehicle after lifting. The floor jack is a lifting device only, not a vehicle support device.
- Ensure the vehicle is in park (automatic) or in gear (manual) with the parking brake engaged before lifting. Block wheels that are not being lifted.
- Center the load on the saddle of the jack. Off-center loads can cause instability.
- Keep hands and feet clear of moving parts and the vehicle during lifting and lowering.
- Do not modify the jack or use it for purposes other than its intended use.
- Inspect the jack before each use for any signs of damage, leaks, or wear. Do not use if damaged.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your LiftMaster Floor Jack:

- **Lifting Arm:** The main arm that raises and lowers.
- **Saddle:** The padded contact point that supports the vehicle. Features a strengthened rubber pad for better protection and friction.
- **Handle:** Two-piece knurled steel handle for a sure grip, used for pumping and releasing the jack. Equipped with a foam bumper to prevent damage to the vehicle.
- **Release Valve:** Controls the lowering speed of the jack.
- **Wheels:** Front and rear wheels for maneuverability.
- **Dual Pump System:** Internal hydraulic mechanism for quick and efficient lifting.



Figure 3.1: LiftMaster 3 Ton Floor Jack in its lowest position, highlighting its ultra-low profile for easy placement under vehicles.

4. SETUP

1. **Unpacking:** Carefully remove the floor jack and all components from the packaging. Inspect for any shipping damage.
2. **Handle Assembly:** Insert the lower handle section into the handle socket on the jack. Align the holes and secure it with the provided pin or bolt. Then, insert the upper handle section into the lower section, ensuring it clicks into place or is secured as per instructions. The two-piece knurled steel handle is designed for a secure grip.

3. **Bleeding the Hydraulic System (Initial Use):**

- Turn the release valve counter-clockwise to fully open it.
- Pump the handle fully up and down 10-15 times to remove any air from the hydraulic system.
- Turn the release valve clockwise to close it. The jack should now lift smoothly.

5. **OPERATING INSTRUCTIONS**

5.1. **Lifting a Vehicle**

1. **Prepare the Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and place the transmission in park (automatic) or the lowest gear (manual). Block the wheels that will remain on the ground.
2. **Position the Jack:** Locate the vehicle's manufacturer-recommended lifting points. Slide the ultra-low profile floor jack under the vehicle, ensuring the saddle is centered directly under the lifting point. The 3-inch low profile allows for easy placement under lowered vehicles.
3. **Close Release Valve:** Turn the handle clockwise until the release valve is fully closed.
4. **Lift the Vehicle:** Pump the handle up and down to raise the vehicle. The dual pump system lifts saves efforts and pumps, providing quick elevation. Continue pumping until the vehicle reaches the desired height.
5. **Secure with Jack Stands:** Immediately place appropriately rated jack stands under the vehicle's designated support points. Slowly lower the vehicle onto the jack stands by gradually turning the release valve counter-clockwise. Ensure the vehicle is securely resting on the jack stands before performing any work.
6. **Remove Jack:** Once the vehicle is safely supported by jack stands, fully lower the floor jack and remove it from under the vehicle.



Figure 5.1: The floor jack with its lifting arm partially extended, demonstrating its readiness for operation.



Figure 5.2: The floor jack with its lifting arm fully extended, illustrating the maximum lifting height achievable.

5.2. Lowering a Vehicle

1. **Prepare for Lowering:** Ensure the area around the vehicle is clear.
2. **Raise Slightly:** If the vehicle is on jack stands, use the floor jack to lift the vehicle slightly off the jack stands.
3. **Remove Jack Stands:** Carefully remove the jack stands from under the vehicle.
4. **Lower Vehicle:** Slowly turn the release valve counter-clockwise to gradually lower the vehicle to the ground. Do not open the valve too quickly, as this can cause the vehicle to drop rapidly.
5. **Remove Jack:** Once the vehicle is fully on the ground, fully lower the jack and remove it.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your LiftMaster Floor Jack.

- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down the hydraulic ram and other moving parts after each use.
- **Lubrication:** Periodically lubricate all pivot points and moving parts with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level periodically. If low, add high-quality hydraulic jack oil. Do not use brake fluid or other types of oil. Refer to the manufacturer's guidelines for specific fluid type and capacity.
- **Storage:** Store the jack in a clean, dry place with the ram fully retracted to prevent corrosion and extend seal life.
- **Inspection:** Before each use, inspect the jack for any signs of damage, such as bent components, cracks, or hydraulic fluid leaks. Check the condition of the strengthened rubber pad.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load.	Release valve open; Low hydraulic fluid; Air in system; Overload.	Close release valve fully; Check/add fluid; Bleed air from system (refer to Setup section); Do not exceed 3-ton capacity.
Jack lifts slowly or erratically.	Low hydraulic fluid; Air in system; Worn seals.	Check/add fluid; Bleed air from system; Contact LiftMaster customer support for seal replacement.
Jack loses pressure and lowers.	Release valve not fully closed; Leaking seals; Overload.	Ensure valve is fully closed; Contact LiftMaster customer support for seal replacement; Do not exceed 3-ton capacity.

For issues not listed above or if solutions do not resolve the problem, please contact LiftMaster customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	6490
Load Capacity	3 tons
Maximum Lifting Height	19.7 Inches
Minimum Height (Low Profile)	3 inches
Item Dimensions (L x W x H)	31 x 15 x 6.5 inches
Item Weight	72.6 pounds
Material	Steel
Color	Silver, Blue

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact LiftMaster customer support directly. Keep your proof of purchase for warranty claims.

If you require technical assistance, have questions about your product, or need to order replacement parts, please contact LiftMaster customer service through their official website or the contact information provided in your product packaging.