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Performance Tool W1614

Performance Tool W1614 2 Ton (4,000 lbs.) Capacity Floor Jack User Manual

Model: W1614

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Performance Tool W1614 2 Ton (4,000 lbs.) Capacity Floor Jack. Designed for heavy-duty lifting tasks, this floor jack is constructed from durable steel and features swivel rear casters for easy positioning. It has a maximum lifting capacity of 4,000 pounds and can reach a maximum height of 15 inches.



SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always read and understand all instructions and warnings before using this floor jack. Failure to follow these instructions may result in serious injury or property damage.

- **Use on Hard, Level Surface:** Always operate the jack on a hard, level surface capable of supporting the load.
- **Use Jack Stands:** This floor jack is a lifting device only. Immediately after lifting, support the vehicle with appropriate jack stands. Do not work under a vehicle supported only by a floor jack.
- **Do Not Exceed Rated Capacity:** Never exceed the 4,000 lbs. (2 Ton) rated capacity of this jack.
- **Center Load on Saddle:** Ensure the load is centered on the jack saddle to prevent slipping.
- **Chock Wheels:** Always chock the wheels that are not being lifted.
- **Keep Clear:** Keep hands, feet, and other body parts clear of moving parts and pinch points.
- **Inspect Before Use:** Before each use, inspect the jack for any damage, leaks, or loose parts. Do not use if damaged.
- **Overload Protection:** This jack is equipped with an overload protection bypass valve for safety. Do not attempt to bypass or modify this feature.

SETUP AND INITIAL PREPARATION

Before first use, or if the jack has been stored for an extended period, it is important to bleed any air from the hydraulic system to ensure proper operation. Air in the system can cause the jack to lift unevenly or not lift at all.

Bleeding the Hydraulic System:

1. Locate the release valve. This is typically a screw or knob that controls the lowering function.
2. Insert the handle into the handle socket.
3. Turn the handle counter-clockwise to fully open the release valve.
4. Pump the handle fully up and down approximately 10-15 times to force any trapped air out of the system.
5. Turn the handle clockwise to close the release valve.
6. Test the jack by pumping the handle to raise the saddle. It should raise smoothly and evenly. If not, repeat the bleeding process.



Figure 2: Angled view of the floor jack, showing the handle socket and general structure.

OPERATING INSTRUCTIONS

Lifting a Vehicle:

1. Park the vehicle on a hard, level surface. Engage the parking brake and chock the wheels that will remain on the ground.
2. Locate the vehicle's manufacturer-recommended lifting points. Refer to your vehicle's owner's manual.
3. Position the floor jack so that the saddle is directly under the lifting point. Ensure the load is centered on the saddle.
4. Close the release valve by turning the handle clockwise until it is firmly closed. Do not overtighten.
5. Pump the handle up and down to raise the vehicle to the desired height. Lift only high enough to place jack stands.
6. Immediately place appropriately rated jack stands under the vehicle's designated support points.
7. Slowly open the release valve by turning the handle counter-clockwise to lower the vehicle onto the jack stands. Once the vehicle is securely resting on the jack stands, remove the floor jack.

Lowering a Vehicle:

1. Ensure the area around the vehicle is clear of obstructions and personnel.
2. Position the floor jack saddle directly under the vehicle's lifting point, adjacent to the jack stands.
3. Pump the jack handle a few times to slightly raise the vehicle off the jack stands.
4. Carefully remove the jack stands from under the vehicle.

5. Slowly turn the jack handle counter-clockwise to open the release valve. The vehicle will begin to lower. Control the lowering speed by adjusting how much you open the valve.
6. Once the vehicle is fully lowered, remove the floor jack.



Figure 3: Diagram showing key dimensions and lift range of the floor jack.

MAINTENANCE

- **Lubrication:** Periodically lubricate all moving parts with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. If low, add high-quality hydraulic jack oil. Do not use brake fluid or other types of oil.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris.
- **Storage:** Store the jack in a dry, clean place with the ram fully retracted to prevent rust and extend seal life.
- **Inspection:** Regularly inspect for any signs of wear, damage, or leaks. If any issues are found, do not use the jack and have it serviced by qualified personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift to full height or lifts unevenly.	Air in hydraulic system.	Bleed the hydraulic system as described in the "Setup" section.
Jack loses pressure or lowers slowly.	Release valve not fully closed, low hydraulic fluid, or worn seals.	Ensure release valve is fully closed. Check hydraulic fluid level and add if necessary. If problem persists, seals may need replacement by a professional.
Jack does not lift at all.	Release valve open, extremely low fluid, or major internal damage.	Close release valve. Check and add hydraulic fluid. If still no lift, seek professional service.

SPECIFICATIONS

Feature	Detail
Model Number	W1614
Brand	Performance Tool
Load Capacity	2 Ton (4,000 lbs.)
Maximum Lifting Height	15 Inches
Item Dimensions (L x W x H)	22.2 x 5.4 x 8.9 inches
Item Weight	25.6 pounds
Material	Heavy Duty Steel
Casters	Swivel Rear Casters
Safety Feature	Overload Protection Bypass Valve

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or contact Performance Tool customer service. Keep your purchase receipt for warranty claims.

An official User Manual (PDF) is available for download:[Download User Manual \(PDF\)](#)

For technical support or inquiries, please visit the official Performance Tool website or contact their customer service department.

