

## Performance Tool W1612

# Performance Tool W1612 2.5 Ton Hydraulic Floor Jack User Manual

Model: W1612

## 1. SAFETY INFORMATION

Always prioritize safety when operating the Performance Tool W1612 hydraulic floor jack. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Read and understand all instructions and warnings in this manual before using this product.
- **Use on Hard, Level Surface:** Operate the jack only on a hard, level surface capable of supporting the load. Avoid uneven or soft ground.
- **Do Not Exceed Capacity:** Never exceed the rated capacity of 5,000 lbs (2.5 tons).
- **Use Jack Stands:** After lifting the vehicle to the desired height, always support it immediately with appropriately rated jack stands. The hydraulic jack is a lifting device only and is not designed to sustain loads for extended periods.
- **Center the Load:** Ensure the load is centered on the jack saddle. Off-center loads can cause instability.
- **Wear Safety Gear:** Always wear ANSI-approved safety goggles and heavy-duty work gloves during operation.
- **Keep Clear:** Keep hands, feet, and other body parts clear of moving parts and the vehicle during lifting and lowering.
- **Inspect Before Use:** Before each use, inspect the jack for any damage, leaks, or loose parts. Do not use if damaged.
- **Proper Storage:** Store the jack in a clean, dry place, fully lowered, when not in use.

## 2. PRODUCT OVERVIEW

The Performance Tool W1612 is a heavy-duty 2.5 ton (5,000 lb) hydraulic floor jack designed for lifting vehicles. It features a robust steel construction, wide front wheels, and a 360-degree swivel saddle for ease of use.

### Key Components:

- **Lifting Arm:** The main arm that raises and lowers the vehicle.
- **Saddle:** The contact point with the vehicle's lifting area.
- **Handle:** Used for pumping to lift and rotating to lower.
- **Release Valve:** Controls the lowering speed of the jack.
- **Wheels/Casters:** Allow for easy positioning and maneuvering.



Figure 1: Performance Tool W1612 2.5 Ton Hydraulic Floor Jack. This image shows the overall design of the yellow hydraulic floor jack with its long handle and wheels.



Figure 2: Side view of the Performance Tool W1612 Hydraulic Floor Jack. This image provides a different angle of the jack, highlighting its low-profile design and robust construction.

### 3. SETUP

#### Initial Preparation:

1. **Unpacking:** Carefully remove the jack from its packaging. Inspect for any shipping damage.
2. **Handle Assembly:** Insert the handle into the handle socket and secure it according to the instructions provided in the packaging.

### Bleeding the Hydraulic System:

Air can become trapped in the hydraulic system during shipping or use, affecting performance. Bleeding the system removes this air.

1. **Open Release Valve:** Turn the handle counter-clockwise to fully open the release valve.
2. **Pump Handle:** Pump the handle 6-8 full strokes to force air out of the system.
3. **Close Release Valve:** Turn the handle clockwise to close the release valve.
4. **Test:** Test the jack by lifting and lowering it a few times without a load. If the jack does not lift smoothly or to its full height, repeat the bleeding process.

Video 1: How to Bleed a Floor Jack. This video demonstrates the process of bleeding air from a hydraulic floor jack, ensuring proper function and lifting capability.

## 4. OPERATING INSTRUCTIONS

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### Lifting a Vehicle:

1. **Prepare Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and block the wheels that will remain on the ground.
2. **Position Jack:** Position the jack directly under the vehicle's designated lifting point. Consult your vehicle's owner's manual for proper lifting points.
3. **Close Release Valve:** Turn the handle clockwise until the release valve is firmly closed. Do not overtighten.
4. **Lift Vehicle:** Pump the handle up and down to raise the vehicle to the desired height. Ensure the vehicle remains stable during lifting.
5. **Secure with Jack Stands:** Once the vehicle is at the desired height, immediately place appropriately rated jack stands under the vehicle's frame or designated support points.
6. **Slightly Lower onto Stands:** Slowly turn the handle counter-clockwise to open the release valve, allowing the vehicle to gently rest onto the jack stands. Remove the hydraulic jack once the vehicle is securely supported by the stands.

### Lowering a Vehicle:

1. **Reposition Jack:** If removed, place the hydraulic jack back under the vehicle's lifting point and raise it slightly to take the load off the jack stands.
2. **Remove Jack Stands:** Carefully remove the jack stands from under the vehicle.
3. **Lower Vehicle:** Slowly turn the handle counter-clockwise to open the release valve. Control the lowering speed by adjusting how much you open the valve.
4. **Fully Lower:** Once the vehicle is fully lowered, remove the jack.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your hydraulic floor jack.

- **Hydraulic Fluid Level:** Check the hydraulic fluid level periodically. With the jack fully lowered, remove the oil filler plug. The fluid level should be just below the filler hole. Top up with high-quality

hydraulic jack oil if necessary. Do not use brake fluid or motor oil.

- **Lubrication:** Lubricate all moving parts and pivot points with light machine oil monthly or as needed.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and corrosive materials. Wipe down the ram and pump plungers after each use.
- **Storage:** Store the jack in a dry, protected area, fully lowered, to prevent rust and seal damage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load	Release valve open; Low hydraulic fluid; Air in system; Overload	Close release valve; Check fluid level and add if low; Bleed hydraulic system; Do not exceed rated capacity
Jack lifts slowly or erratically	Low hydraulic fluid; Air in system; Worn seals	Check fluid level and add if low; Bleed hydraulic system; Contact customer support for seal replacement
Jack leaks fluid	Damaged seals; Loose fittings	Contact customer support for seal replacement; Tighten fittings
Jack will not lower	Release valve stuck; Mechanical obstruction	Ensure release valve is fully open; Check for obstructions and remove

## 7. SPECIFICATIONS

- **Model:** W1612
- **Load Capacity:** 5,000 lbs (2.5 Tons)
- **Maximum Lifting Height:** 19.25 inches
- **Minimum Lifting Height:** Approximately 5 inches (standard floor jack minimums)
- **Material:** Alloy Steel
- **Item Weight:** 79.7 pounds
- **Product Dimensions (L x W x H):** 30.6 x 8.6 x 15.4 inches
- **Vehicle Service Type:** Car, Truck

## 8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Performance Tool W1612 hydraulic floor jack, please refer to the documentation included with your purchase or contact Performance Tool customer service directly. Keep your purchase receipt for warranty claims.

**Manufacturer:** Performance Tool (Wilmar Corporation)

**UPC:** 039564124778

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