



ATD-7388W 50-Ton Bottle Jack Owner's Manual



Features:

- Welded design for greater strength and eliminates leaks
- Chrome plated piston and ram for increased rust resistance and durability
- Extension screw for height adjustment
- Overload by-pass safety system prevents damage to jack
- Meets ASME PALD-2014 and CE standards

Specifications

- Capacity: 50-Ton
- Min. Height: 10.43" (265 mm)
- Max. Height: 16.73" (425 mm)
- Net Weight: 55.78 lbs. (25.3 kg)

These instructions have been written to help the user more effectively use and maintain this jack. Some of the information applying to construction, installation, operation, inspection, and maintenance of hydraulic jacks was selected from ANSI B30.1 and ASME/ANSI PALD-1 safety standards for jacks.

Product Description

This ATD Hydraulic Bottle Jack is designed to lift, but not sustain, rated capacity loads. It's designed to be used vertically. After lifting, loads must be immediately supported by appropriate means. This ATD Hydraulic Bottle Jack is suitable for use in an appropriately rated and designed vertical position bench press structure. It is **NOT** recommended for use in positioning construction trailers, houses or other building structures.

Safety Precautions

WARNING: Failure to heed the following warnings can result in personal injury and/or equipment damage. These warnings cannot cover every situation, so have safety foremost in your mind when using this jack.

- Read, understand, and follow the operating instructions, and the ANSI B30.1 and ASME PALD-1 safety standard for jacks. If the operator cannot read English, operating instructions and safety precautions must be read and discussed in the operator's native language.
- Wear eye protection that meets the requirements of ANSI Z87.1 and OSHA.
- Inspect the jack before each use; do not use the jack if it is damaged, altered, or in poor condition.
- To prevent tipping, set up the jack on a hard, level surface. Set vehicle parking brake and block tires.
- The load must not exceed the rated lifting capacity of the jack. Lift only dead weight.
- Center the load on the jack saddle, because off-center loads can damage seals and cause hydraulic failure.
- Use the jack for lifting purpose only. This jack is designed to LIFT loads, NOT SUPPORT loads. Immediately support a lifted load with jack stands.
- Stay clear of lifted loads.
- Use only approved hydraulic fluid, such as Mobil DTE13M or equivalent.

Operating Instructions

- To raise the jack, use narrow end of jack handle to tighten release valve clockwise (CW). Insert handle into socket, and operate pump.
- To lower the jack, **SLOWLY** open the release valve knob by turning it counterclockwise (CCW).

Preventive Maintenance

Important: Dirt is the greatest single cause of failure in hydraulic units. Keep the jack clean and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, or grit, it must be cleaned before it is used.

1. When the jack is not in use, keep the piston fully retracted. Store the jack on its base and in a well protected area where it will not be exposed to corrosive vapors, abrasive dust, or any other harmful elements.
2. Maintain the oil level at the bottom of the filler plug hole. If it is necessary to add oil, remove the filler plug, and fill the reservoir with Mobil DTE13M or equivalent.
3. Visually inspect the jack before each use. Take corrective action if any of the following problems are found:
 - a. Cracked or damaged housing
 - b. Excessive wear, bending, or other damage
 - c. Leaking hydraulic fluid
 - d. Scored or damaged piston rod
 - e. Incorrectly functioning swivel heads or adjusting screw
 - f. Loose hardware
 - g. Modified or altered equipment

Maintenance

Important: Use only a good grade hydraulic jack oil. Avoid mixing different types of fluid and **NEVER** use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause failure of the jack and the potential for sudden and immediate loss of load. We recommend Mobil DTE13M or equivalent.

Adding oil

1. With saddle fully lowered and pump piston fully depressed, set jack in its upright, level position. Remove oil filler plug.
2. Fill until oil is level with the filler screw hole, reinstall oil filler plug.

Changing oil

For best performance and longest life, replace the complete fluid supply at least once per year.

1. With saddle fully lowered, remove the oil filler screw.
2. Lay the jack on its side and drain the fluid into a suitable container.

Note: Dispose of hydraulic fluid in accordance with local regulations.

3. Set jack in its upright, level position. Fill until oil is level with the filler screw hole, reinstall oil filler screw.

Lubrication

A periodic coating of light lubricating oil to pivot points and hinges will help to prevent rust and assure that pump assemblies move freely.

Cleaning

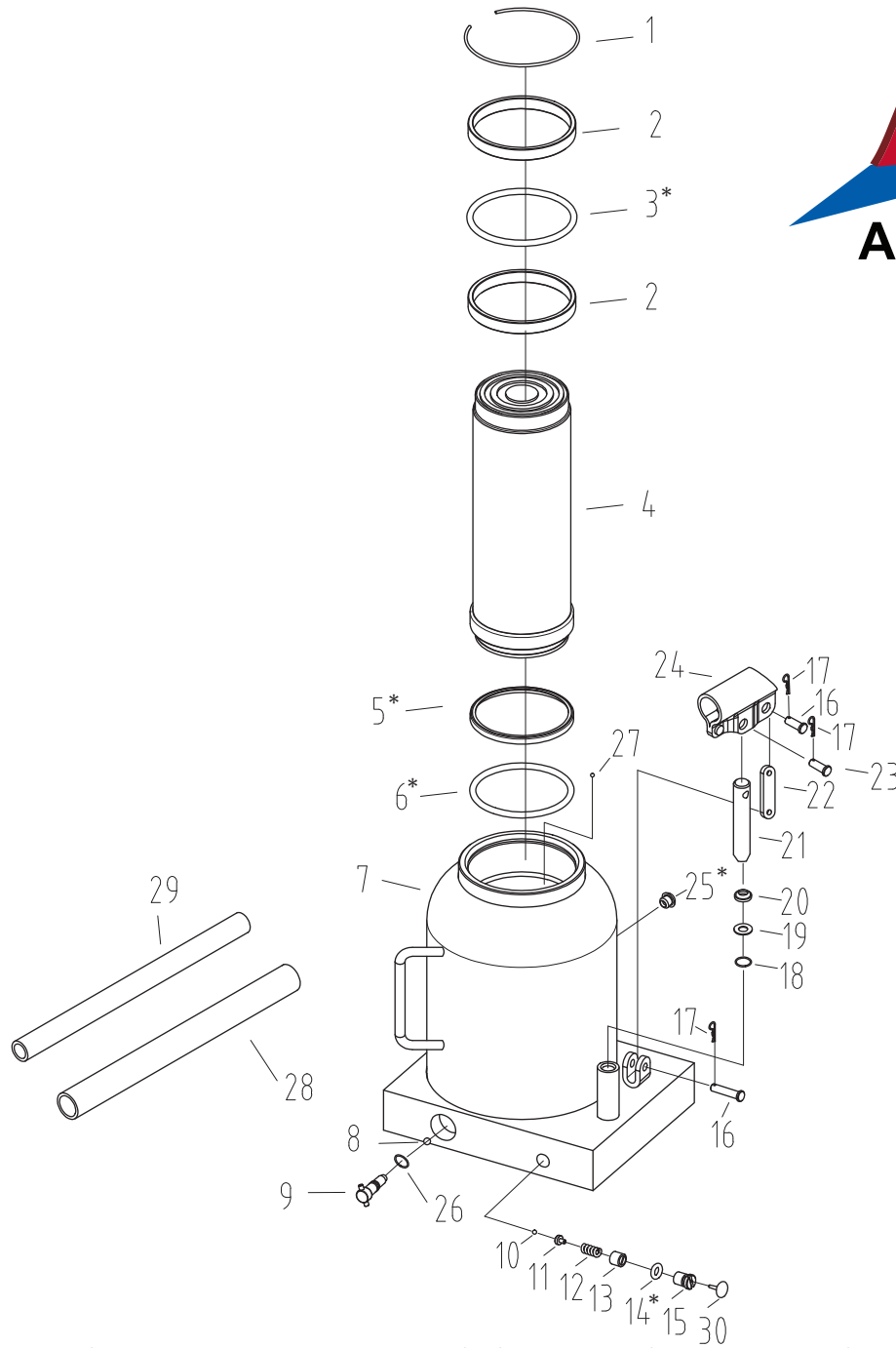
Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oily cloth. **Note:** Never use sandpaper or abrasive material on these surfaces.

Troubleshooting

Symptom	Possible Causes	Corrective Action
Jack will not lift load	<ul style="list-style-type: none">• Release valve not tightly closed	<ul style="list-style-type: none">• Ensure release valve tightly closed
Jack bleeds off after lift	<ul style="list-style-type: none">• Hydraulic unit malfunction• Release valve not tightly closed	<ul style="list-style-type: none">• Ensure release valve tightly closed• Contact your supplier for service or warranty information.
Jack will not lower after unloading	<ul style="list-style-type: none">• Reservoir overfilled	<ul style="list-style-type: none">• Drain fluid to proper level
Poor lift performance	<ul style="list-style-type: none">• Fluid level low• Air trapped in system	<ul style="list-style-type: none">• Ensure proper fluid level• With ram fully retracted, remove oil filler screw to let pressurized air escape, then reinstall oil filler screw
Will not lift to full extension	<ul style="list-style-type: none">• Fluid level low	<ul style="list-style-type: none">• Ensure proper fluid level

ATD®

ATD-7388W



ITEM#	ORDERING PART#	DESCRIPTION
1	n/a	GASKET
2	n/a	GUIDE RING
3	PRT7388W-01	*PISTON O-RING
4	n/a	PISTON
5	PRT7388W-01	*WASHER
6	PRT7388W-01	*PISTON O-RING
7	n/a	BASE
8	n/a	STEEL BALL
9	n/a	RELEASE VALVE ASSEMBLY
10	n/a	STEEL BALL
11	n/a	BALL VALVE SEAT
12	n/a	SPRING
13	n/a	SCREW
14	PRT7388W-01	*O-RING
15	n/a	BOLT

ITEM#	ORDERING PART#	DESCRIPTION
16	n/a	LINK PIN
17	n/a	PIN
18	n/a	O-RING
19	n/a	NYLON GASKET
20	n/a	DUSTPROOF RING
21	n/a	PUMP CORE
22	n/a	LINK
23	n/a	PUMP CORE PIN
24	n/a	HANDLE SOCKET
25	PRT7380W-03	*OIL PLUG
26	n/a	O-RING
27	n/a	STEEL BALL
28	PRT7388W-02	HANDLE ASSEMBLY
29	n/a	CAP
30	n/a	CAP

Not all components of the jack are replacement items, but are illustrated as a convenient reference of parts location.

Call your distributor for current pricing. When ordering parts, give part number and parts description.

Seal kit contains all items marked with an asterisk (*)

Find out more about car jacks we have.