



ATD-7333B 2-1/2 Ton Hydraulic Service Jack Owner's Manual



Features:

- ATD's exclusive Swift Lift™ Technology offers a quicker lift for professional performance
- Dual pump pistons are shielded to prevent contaminants from damaging the hydraulic system
- Internal by-pass valve protects the hydraulic system from over pumping
- U-Joint release mechanism provides precise control of load descent in any handle position
- Heavy gauge construction features rolled edges for added strength
- Protective foam cover on handle prevents vehicle damage
- Upgraded casters allow greater maneuverability and easy positioning of the jack
- Rubber saddle pad protects the vehicle from damage during lifting
- ASME/PASE 2014 certified

Specifications:

- Capacity (Ton): 2.5
- Minimum Height: 3"
- Maximum Height: 20"
- Handle Length: 45"
- Saddle Diameter: 4-1/4"
- Jack Size-Length: 29"
- Jack Size-Width: 13-7/8"
- Jack Size-Height: 5-7/8"
- Net Weight: 77.4 lbs.

SAFETY AND GENERAL INFORMATION

Save these instructions. For your safety, read, understand, and follow the information provided with and on this device before using. The owner and/or operator should have an understanding of the device, its operating characteristics and safety operating instructions before operating the equipment. The owner and/or operator should be aware that use and repair of this product may require special skills and knowledge. Instructions and safety information shall be read to and discussed with the operator in the operator's native language, making sure that the operator comprehends their contents, before use of this equipment is authorized. If any doubt exists as to the safe and proper use of this device, remove from service immediately.

Inspect before each use. Do not use if abnormal conditions such as cracked welds, damaged, loose or missing parts are noted. Any equipment that appears damaged in any way, is found to be worn, or operates abnormally should be removed from service until repaired. If the equipment has been or is suspected to have been subjected to an abnormal load or shock, immediately discontinue use until inspected by a factory authorized repair facility (contact distributor or manufacturer for list of authorized repair facilities). It is recommended that an annual inspection be made by an authorized repair facility. Labels and Operator's Manuals are available from the manufacturer.

PRODUCT DESCRIPTION

This Hydraulic Service Jack is designed to lift, but not support, one end of a vehicle. Immediately after lifting, loads must be supported by a pair of appropriately rated jack stands.

⚠ WARNING: *Never use a hydraulic jack as a stand-alone device. After lifting, immediately support the lifted vehicle with a pair of appropriately rated jack stands.*

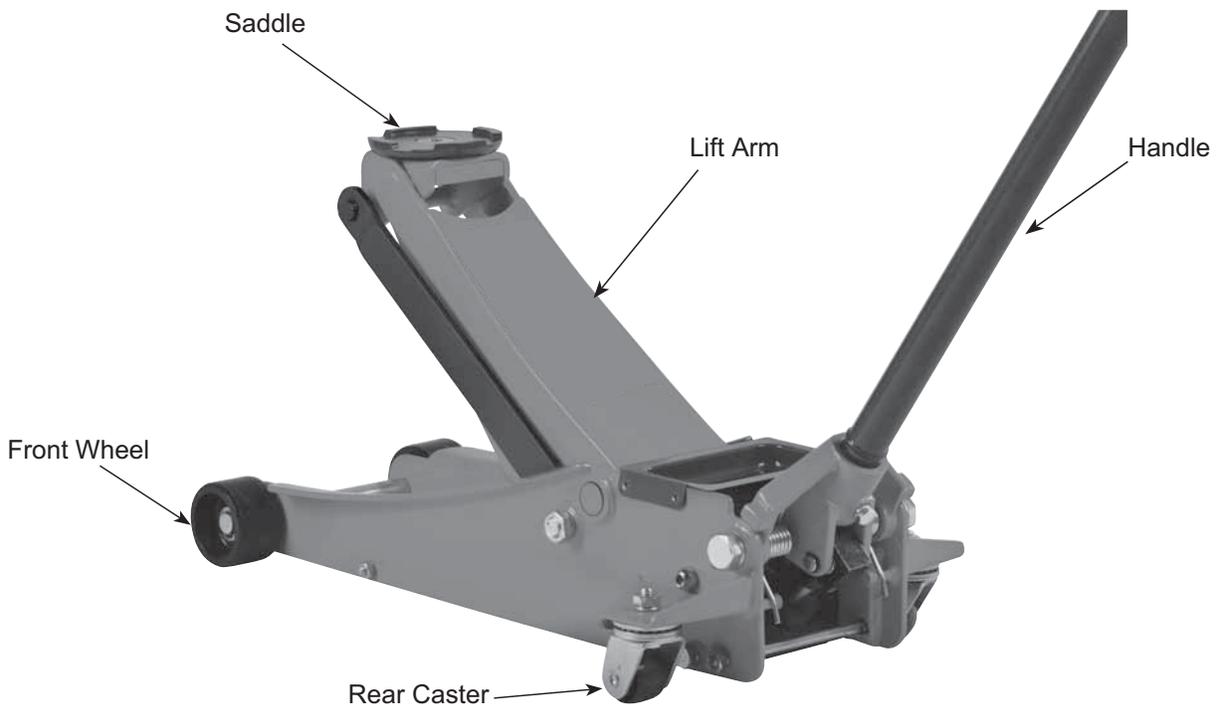


Figure 1 - Service Jack nomenclature

ASSEMBLY

Always secure the handle into the handle sleeve by means of the bolt lock washer and nut provided. Tighten securely to prevent accidental removal of handle while in use. Familiarize yourself with the illustrations in the operator's manual. Know your jack and how it operates before attempting to use.

BEFORE USE

1. Verify that the product and the application are compatible, if in doubt call for Technical Service 636-327-9050.
2. Before using this product, read the operator's manual completely and familiarize yourself thoroughly with the product, its components and recognize the potential hazards associated with its use.
3. Open the release valve by turning the handle counterclockwise (no more than 1/2 full turn).
4. With saddle fully lowered, locate and remove the oil filler plug/screw. Pump handle 6 to 8 full strokes. Ensure the oil level is within 3/16" from the inner cylinder as viewed from the oil filler hole. Reinstall the oil filler plug/screw. Close release valve by turning the handle clockwise until firm resistance is felt.
5. Check to ensure that jack rolls freely, that the pump and release valve operate smoothly. Raise and lower the unloaded saddle throughout the advertised lift range before putting into service.
6. Replace worn or damaged parts and assemblies with factory authorized replacement parts only. (See Replacement Parts section). Lubricate as instructed in Maintenance section.

WARNING

- Study, understand, and follow all instructions before operating this device.
- Do not exceed rated capacity.
- Use only on hard, level surface.
- Lifting device only. Immediately after lifting, support the vehicle with appropriate means.
- Do not move or dolly the vehicle while on the jack.
- Lift only on areas of the vehicle as specified by the vehicle manufacturer.
- No alterations shall be made to this product.
- Failure to heed these markings may result in personal injury and/or property damage.

OPERATION

Lifting

CAUTION

Lift only areas of the vehicle as specified by the vehicle manufacturer.
Do not use adapters or accessories that are not provided initially.
The result of overloading may cause hydraulic system failure.

1. Place vehicle in park, with emergency brake on and wheels securely chocked to prevent inadvertent vehicle movement.
2. Locate and close release valve by turning handle clockwise, firmly. Center jack saddle under lift point.
3. Verify lift point, then use handle pump to contact lift point. To lift, pump handle until load reaches desired height.
4. Transfer the load immediately to appropriately rated jack stands.

WARNING



To avoid crushing and related injuries:
NEVER work on, under or around a load supported only by jack. **ALWAYS** use adequately rated jack stands.

Lowering

WARNING

Be sure all tools and personnel are clear before lowering load.

1. Raise load high enough to clear the jack stands, then carefully remove jack stands (**always** used in pairs).
2. Slowly turn the handle counterclockwise, but no more than 1/2 turn. If the load fails to lower:
 - a. Use another jack to raise the vehicle high enough to reinstall jack stands.
 - b. Remove the affected jack and then the stands.
 - c. Using the other jack, lower the load by turning the operating handle counter-clockwise, but no more than 1/2 turn.
3. After removing jack from under the load, push saddle down to reduce ram exposure to rust and contamination.

MAINTENANCE

Important: Use only 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 premature failure of the jack and the potential for sudden and immediate loss of load. ISO-VG22 or equivalent hydraulic oil is recommended.

Adding oil:

1. With saddle fully lowered set jack in its upright, level position. Locate and remove oil filler plug/screw.
2. Fill with oil until 3/16" above the inner cylinder as seen from the oil filler hole. Reinstall the oil filler plug/screw.

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 plug/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. Fill with oil until 3/16" above the inner cylinder as seen from the oil filler hole. Reinstall oil filler plug/screw.

Air Venting Procedures:

1. With the jack in the fully lowered position and the release valve open, remove oil filler plug.
2. Pump the handle rapidly several times. Reinstall oil filler plug.
3. Turn the handle/release valve clockwise to the closed position.
4. Pump the handle until the lift arm reaches maximum height and continue to pump several times to remove trapped air in the system.
5. Turn the handle/release valve counterclockwise in one full turn and lower lift arm to the lowest position. Use force on saddle if necessary.
6. Carefully and slowly loosen oil filler plug to release pressurized air.
7. Repeat above steps until trapped air is completely vented.

Lubrication:

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that wheels, casters and 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!

Storage:

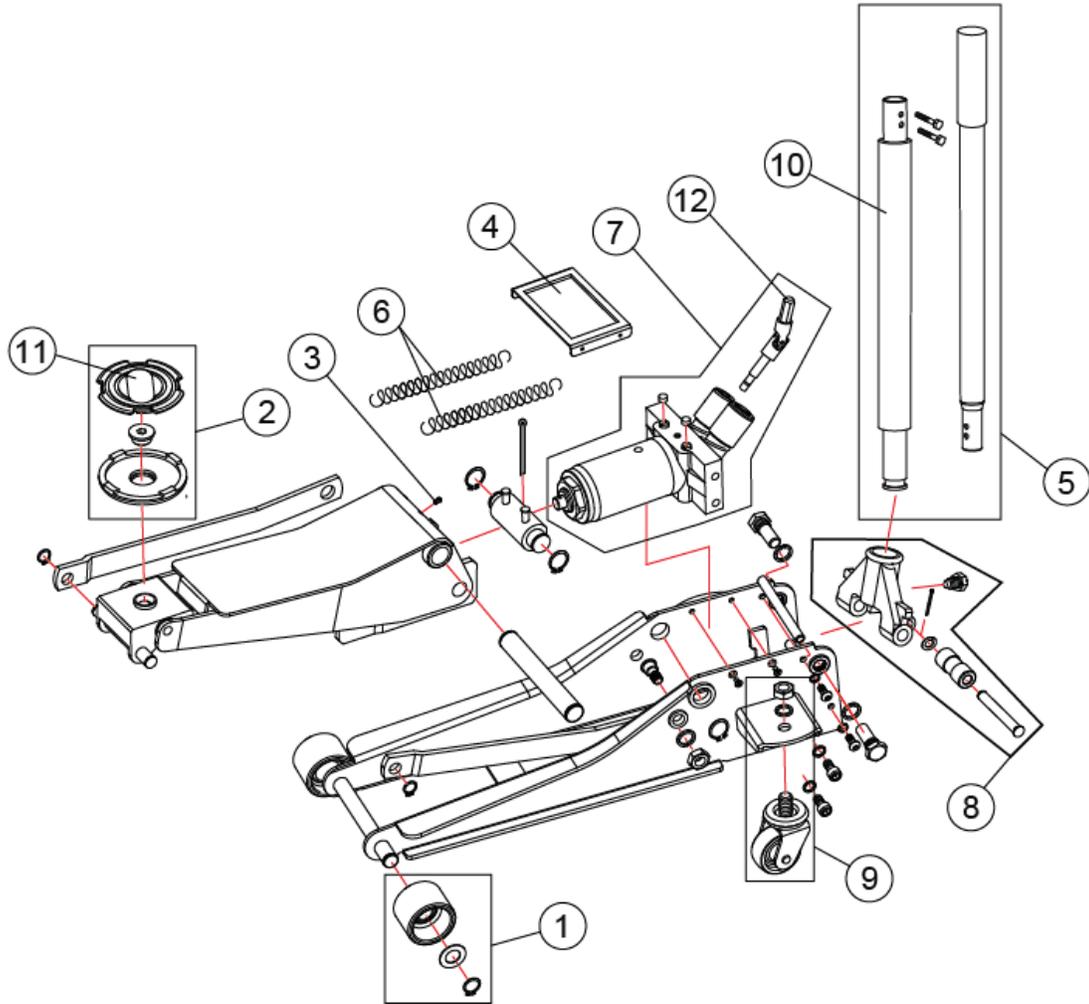
When not in use, store the jack with saddle fully lowered.

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	<ul style="list-style-type: none"> • Release valve not tightly closed • Overload condition 	<ul style="list-style-type: none"> • Ensure release valve tightly closed • Remedy overload condition
Jack will lift, but not maintain pressure	<ul style="list-style-type: none"> • Release valve not tightly closed • Overload condition • Hydraulic unit malfunction 	<ul style="list-style-type: none"> • Ensure release valve tightly closed • Remedy overload condition • Contact Tech. Service (636) 327-9050
Jack will not lower after unloading	<ul style="list-style-type: none"> • Reservoir overfilled • Linkage binding 	<ul style="list-style-type: none"> • Ensure load is removed, then drain fluid to proper level • Clean and lubricate moving parts
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 plug to let pressurized air escape, then reinstall oil filler plug
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

REPLACEMENT PARTS

Not all components of the jack are replacement items, but are illustrated as a convenient reference of parts location. When ordering parts, give model number, part number and parts description. Call your distributor for current pricing.



ITEM#	ORDERING PART#	DESCRIPTION
01	LYD3H-PJ-1	FRONT WHEEL ASSEMBLY
02	LYD3F-PJ-1.6	SADDLE WITH PAD
03	GB308-84-#6	GREASE FITTING
04	LYD3F-2	COVER
05	LYD2H-PJ-5	HANDLE ASSEMBLY WITH FOAM
06	LYS2-22	RETURN SPRINGS
07	LYD3Q-PJ-1	POWER UNIT ASSEMBLY
08	LYD3Q-PJ-2	HANDLE FORK ASSEMBLY
09	LYD3F-900	REAR CASTER ASSEMBLY
10	LYD3B.5-8	HANDLE FOAM ONLY
11	LYD3F-14B-1A	SADDLE PAD ONLY
12	LYD3F.4-11	U-JOINT
13	ATD7333B-L	PRODUCT LABEL



THIS WARRANTY AND CONFIRMED RECEIPT(S) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

PURCHASED FROM: _____

DATE PURCHASED: _____

INVOICE/RECEIPT NUMBER: _____

Your ATD-7333B is warranted for a period of 12 months from the original purchase date.

For a period of one (1) year from your purchase date, ATD Tools, Inc. will repair or replace (at its option) without charge, your ATD product if it was purchased new and the product has failed due to a defect in material or workmanship which you experienced during normal use of the product. This limited warranty is your exclusive remedy.

To access the benefits of this warranty, contact your supplier, or point of sale directly. You may be advised to return the product under warranty, freight prepaid, to your supplier for warranty determination.

If this ATD product is altered, abused, misused, modified, or undergoes service by an unauthorized technician, your warranty will be void. We are not responsible for damage to ornamental designs you place on this ATD product and such ornamentation should not cover any warnings or instructions or they may void the warranty. This warranty does not cover scratches, superficial dents, and other abrasions to the paint finish that occur under normal use. It also does not cover normal wear items such as but not limited to brushes, batteries, drill bits, drill chucks, pads or blades.

Subject to the law in your state:

- (1) Your sole and exclusive remedy is repair or replacement of the defective product as described above.
- (2) ATD is not liable for any incidental damages, including but not limited to, lost profits and unforeseeable consequences.
- (3) The repair and replacement of this product under the express limited warranty described above is your exclusive remedy and is provided in lieu of all other warranties, express or implied. All other warranties, including implied warranties and warranties of merchantability or fitness for a particular purpose are disclaimed and, if disclaimer is prohibited, these warranties are limited to one year from your date of purchase of this product.

Some states' laws do not allow limited durations on certain implied warranties and some states' laws do not allow limitations on incidental or consequential damages. You should consult the law in your state to determine how your rights may vary.

[Affix receipt or invoice here for safe keeping]

PREVENTATIVE MAINTENANCE RECORD LOG

DATE	MAINTENANCE PERFORMED

NOTES:
