



ATD-7433A

1-Ton Heavy-Duty Hydraulic Telescopic Transmission Jack Owner's Manual



Features:

- Extra-wide base lowers center of gravity and provides stability
- Rugged steel wheels and full swivel ball bearing casters
- Foot release pedal provides controlled lowering of load
- Saddle adjusts to fit most pan configurations
- Chrome-plated rams maximize it's high reach
- Load control chains hold transmission in place
- ASME/PASE 2014 Certified

Specifications:

- Capacity (Ton): 1
- Minimum Height: 35.24"
- Maximum Height: 71.65"
- Saddle Base: 10.24" x 10.83"
- Expanded Saddle Area Max.: 14.17" x 10.83"
- Size: 37.1" x 31.1"
- Carton Dimensions: 37.4" x 22.6" x 7.9"
- Shipping Weight: 187 lbs.

Save these instructions:

For your safety, read, understand, and follow the information provided with and on this jack. The owner and operator of this equipment should have an understanding of this jack and safe operating procedures before attempting to use. The owner and operator should be aware of this jacks safe operating procedures before attempting to use. Instructions and safety information shall be conveyed in the operator's native language before use of this jack is authorized. If any doubt exists as to the safe and proper use of this jack, remove from service immediately. Inspect before each use. Do not use if broken, bent, cracked or damaged parts are noted. Any jack that appears damaged in any way, or operates abnormally shall be removed from service immediately. If the jack has been or is suspected to have been subjected to a shock load (a load dropped suddenly, unexpectedly upon it), immediately discontinue use until jack has been checked by a factory authorized service center. It is recommended that an annual inspection be done by qualified personnel. Labels and owner’s manuals are available from manufacturer.

PRODUCT DESCRIPTION:

ATD Tools Hydraulic Transmission Jacks are designed to be used as an aid in the removal and installation of automotive and light truck transmissions, transfer cases and transaxles. They are intended for use under an overhead lift or in a garage pit. These jacks comply with applicable ASME/PASE 2014 Standards.

SPECIFICATIONS:

Model	Capacity	Min. Height	Max. Height	Min. Saddle Area	Max. Saddle Area	Weight
ATD-7433A	2000 lbs.	35.24"	71.65"	10.24" x 10.836"	14.17" x 10.83"	187 lbs.

CAUTION: READ CAREFULLY BEFORE UNPACKING PRODUCT.

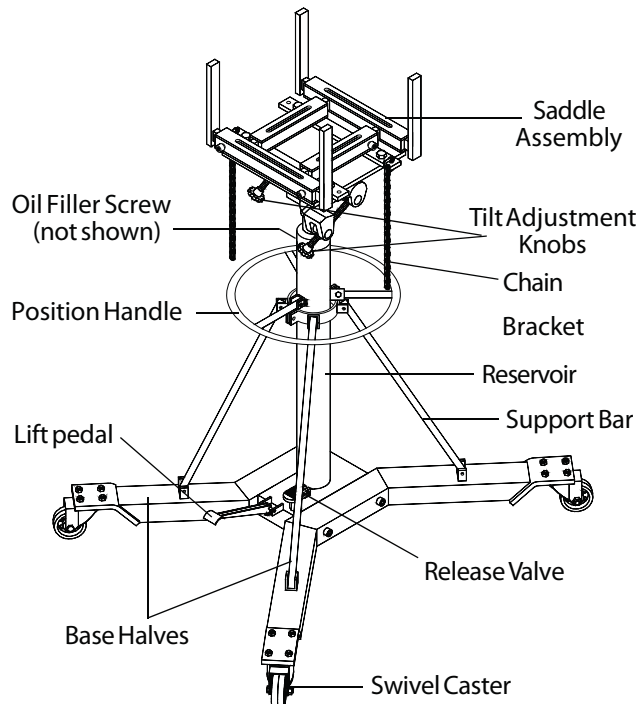


Figure 1 - Model ATD-7433A nomenclature

Note: Vent Screw and Oil Filler Screw are located on the upper portion of the reservoir.

ASSEMBLY

Refer to Figure 1:

1. Three major parts should be included in package:
 - (a) Hydraulic unit with pumping mechanism
 - (b) saddle unit
 - (c) 2 pieces of base half with bolts and washers
2. Attach one of the base halves to the base of the hydraulic unit, then secure using allen head bolts and washers provided. Then apply the same procedure to the other base half. Use torque wrench to tighten to 30 ft.-lbs. torque. Do not overtighten.
3. Attach the brackets to the reservoir, then attach one end of the support bars to base half and the other end to the bracket. Secure with bolts and nuts provided. Repeat for all other three support bars.
4. Slide the position handle to the reservoir from top, then secure with bolts and nuts provided.
5. Position the saddle unit above the ram piston, place the saddle socket onto the ram piston. Secure using the set screw.

WARNING

- Study, understand, and follow all printed materials provided with/on this product before use.
- Do not exceed rated capacity.
- Use only on hard, level surfaces capable of supporting rated capacity loads.
- Use of this jack is limited to the removal, installation and transportation of transmissions, transfer cases and transaxles. Do not use a transmission jack to tilt or support a vehicle.
- Ensure the center gravity of load is centered on the saddle.
- Do not exceed 10° tilt angle of the saddle assembly in all directions.
- Adequately support the vehicle before starting repairs.
- Use only chains and slings provided.
- If loaded jack must be moved, make sure that the load is secured, stable and in lowest position.
- This is a lifting and lowering device only.
- Transfer load immediately to appropriate support device for service or repair.
- No alterations shall be made to this product
- Failure to heed these markings may result in personal injury and/or property damage.

BEFORE USE

1. Inspect jack before each use. Do not use if bent, broken or cracked components are noted. Ensure that casters move freely. Check for and tighten any loose assemblies.
2. Verify that the product and the application are compatible.
3. With ram fully lowered, remove oil filler screw to bleed air in the reservoir.
4. Ensure oil level is just below the rim of the oil filler screw hole. Reinstall the oil filler screw

Raise Saddle:

1. Pump foot pedal or press air pump pedal until saddle reaches desired position.
2. Follow vehicle manufacturer's recommended procedures for removing the load as outlined in vehicle service manual or repair guide.
3. Secure load with provided chains.
4. Ensure load's center of gravity is centered on the saddle and load is stable before moving jack.

Lower Saddle:

CAUTION! Be sure all tools and personnel are clear before lowering load.
Slowly, gently apply downward pressure to the release valve pedal.

WARNING



To avoid crushing and related injuries:
NEVER work on, under or around a load supported only by a jack. Immediately transfer the load to an appropriate work station.

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. We recommend Mobil DTE 13M or equivalent.

Adding oil:

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

Changing oil:

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

1. With the saddle fully lowered, set jack in its upright, level position. 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 level, upright position and fill with oil until just below the rim of the oil filler hole.
4. Reinstall the oil filler screw.

Lubrication:

1. 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.
2. When used on a daily basis, air pump model should be internally lubricated before each use. Use only good quality air tool lubricant. If no inline oiler is used, pour a teaspoon of air tool oil into the inlet of the air supply inlet. Simply operate the jack using the air feature in order to fully distribute the oil.

Cleaning:

Periodically check the 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 in lowest position and air supply disconnected.

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	• Hydraulic unit malfunction	
Jack bleeds off after lift	• Overload condition • Hydraulic unit malfunction	• Remedy overload condition •
Jack will not lower after unloading	• Reservoir overfilled • Linkage binding	• Drain fluid to proper level • Clean and lubricate moving parts
Poor lift performance	• Fluid level low	• Ensure proper fluid level
Will not lift to full extension	• Fluid level low	• Ensure proper fluid level

REPLACEMENT PARTS

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

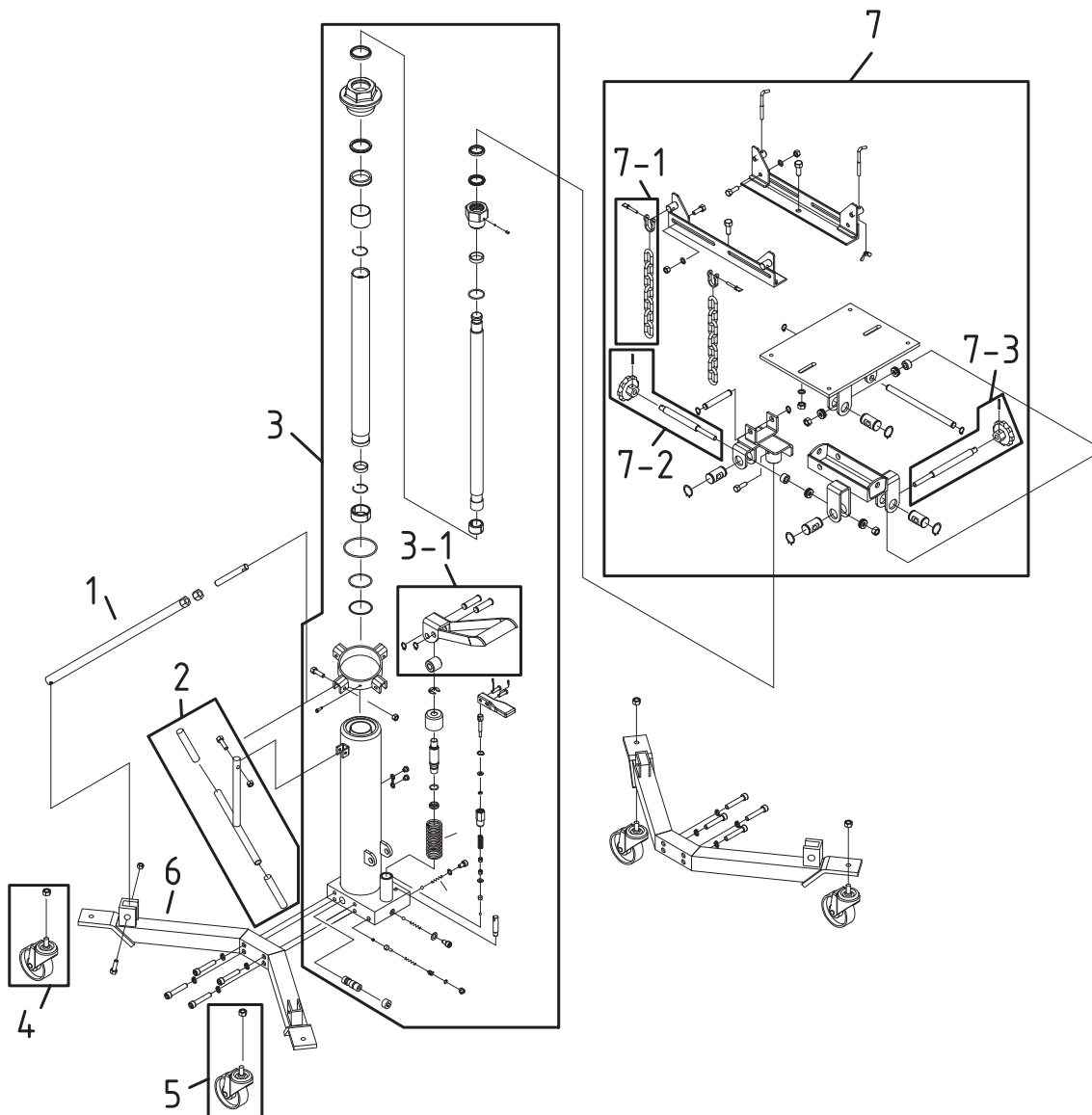


Figure 2 - Replacement Parts Illustration for model ATD-7433A

ITEM#	ORDERING PART#	PART DESCRIPTION	QTY
1	PRT7433A-01	SUPPORTING ROD	1
2	PRT7433A-02	HANDLE ASSEMBLY	1
3	PRT7433A-03	OIL CYLINDER ASSEMBLY	1
3-1	PRT7433A-03-1	FOOT PEDAL	1
4	PRT7433A-04	CASTER	2
5	PRT7433A-05	LOCKING CASTER	2
6	PRT7433A-06	LEG WELDMENT ASSEMBLY	2
7	PRT7433A-07	SADDLE ASSEMBLY	1
7-1	PRT7433A-07-1	CHAINS (SET OF 2)	2
7-2	PRT7433A-07-2	SADDLE ADJUSTMENT SCREW	1
7-3	PRT7433A-07-3	SADDLE ADJUSTMENT SCREW	1
N/S	PRT7443A-SK	SEAL KIT	1