

ARI **hetra**TM

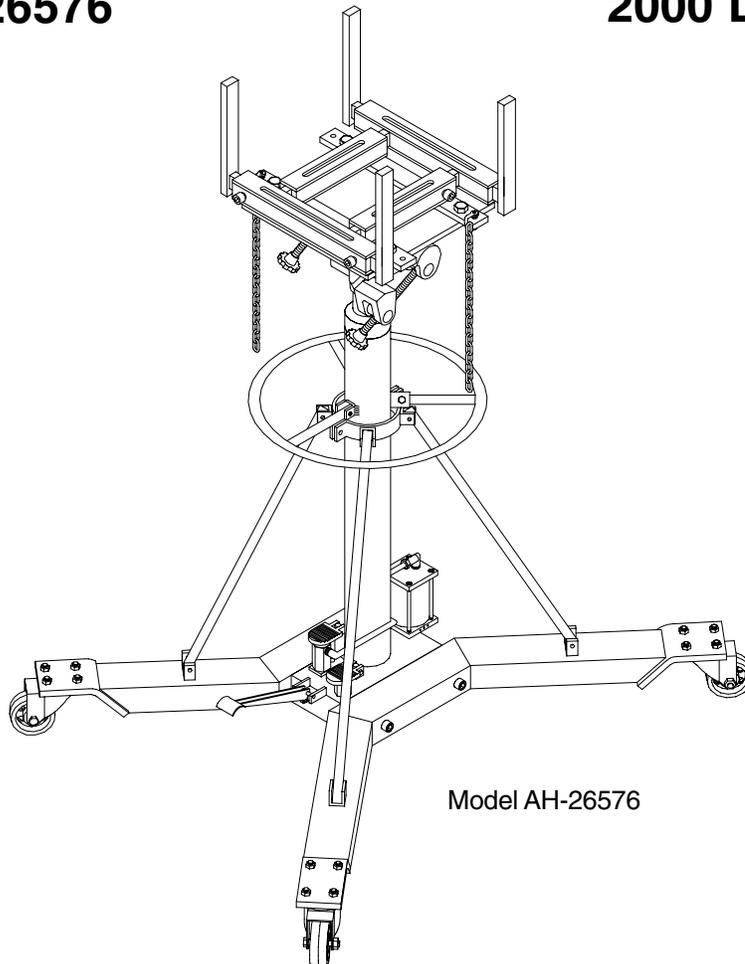
lifting systems
exhaust systems
wheel service

**Operating Instructions
& Parts Manual**

Transmission Jack

**Model Number
AH-26576**

**Capacity
2000 Lbs**



AUTOMOTIVE RESOURCES, INC.
7251 Coppermine Drive, MANASSAS, VA 20109
800-562-3250
Website: www.ari-hetra.com
FAX: 703-359-6405

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 shall have an understanding of this jack and safe operating procedures before attempting to use. The owner and operator shall be aware that use and repair of this product may require special skills and knowledge. 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 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 an ARI hetra authorized service center. It is recommended that an annual inspection be done by qualified personnel. Labels and Operator's Manuals are available from manufacturer (see Replacement Parts, pages 5).

PRODUCT DESCRIPTION

ARI hetra Telescopic Transmission Jack is designed to be used as an aid in the removal and installation of automotive and light truck transmissions, transfer cases and transaxles. It is intended for use under an overhead lift or in a garage pit. Ensure that your air source can dedicate 7.8 CFM @ 90 - 175 PSI. To ensure dependable, trouble free operation an inline air dryer and oiler is recommended.

SPECIFICATIONS

Model	Capacity	Base Size (L x W)	Min. Height	Max. Height
AH-26576	2000 Lbs	42-1/8" x 39-1/2"	42-5/8"	71-3/8"

CAUTION: READ CAREFULLY BEFORE UNPACKING PRODUCT.

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, if in doubt call ARI hetra Technical Service (800) 562-3250.
3. Pour a teaspoon of good quality, air tool lubricant into the air supply inlet of the lift control valve (See Illustration). Connect to air supply and operate for 3 seconds to evenly distribute lubricant.
4. Air actuated product is fitted to accept the popular 1/4" PT air nipple. When installing 1/4" PT nipple of your choice, ensure thread sealing compound is used when servicing connections. Be careful not to allow compound to enter lift control valve orifice. Application of thread tape is acceptable, but ensure that it is not applied beyond the last machine thread.

! WARNING

Study, understand, and follow all printed materials provided with/on this device before use. Do not exceed rated capacity. Use only on hard, level, seamless surface. Use of this jack is limited to the removal, installation and transportation of transmissions, transfer cases and transaxles. Adequately support the vehicle before starting repairs. Failure to heed these markings may result in personal injury and/or property damage.

! Safety Messages !

Ensure the center of gravity is centered on the saddle. Use only chains and slings provided. If loaded jack must be moved, make certain that load is secured by appropriate means, is stable, is in lowest possible 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. Only attachments and/or adapters supplied by the manufacturer shall be used.

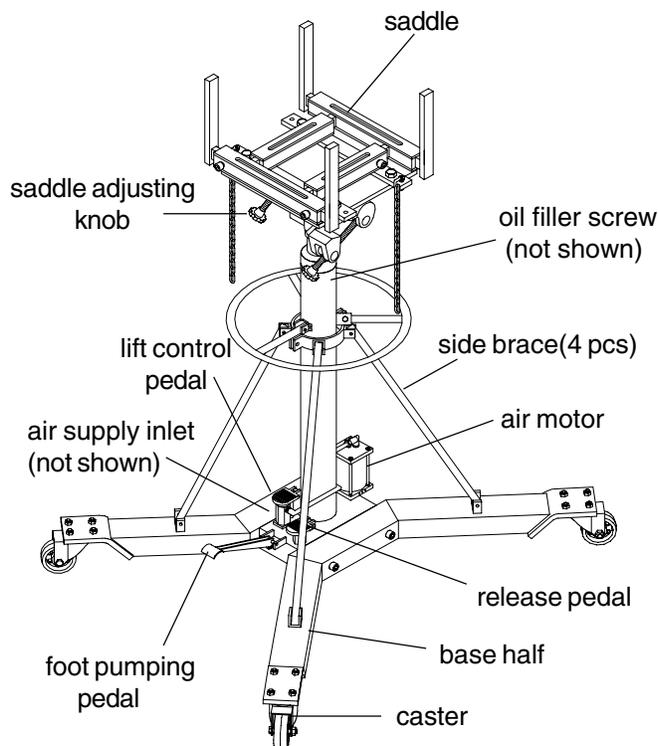


Figure 1 - Model AH-26576 Nomenclature

ASSEMBLY

Refer to Figure 1 and Figure 2:

1. 3 major parts should be included in package: (a) Hydraulic unit with pumping mechanism, (b) saddle unit, and (c) 2 pieces of base half with hex socket bolts and washers.
2. Attach either one of the two 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. Attach side braces connecting base halves and power unit, then secure using allen bolts provided. Tighten to 30 ft. lbs. Do not overtighten.
3. Move the saddle unit above the ram piston, place the saddle socket onto the ram piston. Secure using the set screw (allen head).
4. Remove oil filler screw. This will allow any pressurized air to escape.
5. Ensure oil level is just below the rim of the oil filler screw hole. Reinstall the oil filler screw.

Note: Before initial use, turn oil filler screw counterclockwise carefully, but no more than 1 full turn.

OPERATION

Raise saddle:

1. Pump foot pedal or squeeze lift control valve until saddle reaches desired position.
2. Follow vehicle manufacturers recommended procedures for removing the load as outlined in vehicle service manual or repair guide.
3. Secure load with provided restraints. Ensure load's center of gravity is centered on the saddle and load is stable before moving jack.

Lower saddle:

Slowly, gently apply downward pressure to the release pedal located just above and forward of the lift pedal (see Figure 1).

! CAUTION !

Be sure all tools and personnel are clear before lowering load. Dynamic shock loads are created by quickly opening and closing the release valve as the load is being lowered. The resulting overload may cause hydraulic system failure.

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 premature failure of the jack and the potential for sudden and immediate loss of load. Periodically check for leaks at air connections. Replace connections as needed.

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 the filler screw hole, reinstall oil filler screw.

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

Changing oil

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

1. With 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.
3. Set jack in its level upright position.
4. Fill with good quality jack oil. We recommend Mobil DTE 13 or equivalent.

MAINTENANCE (continued)

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, this jack 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	<ul style="list-style-type: none">• Release valve not tightly closed• Overload condition• Air supply inadequate	<ul style="list-style-type: none">• Ensure release valve tightly closed• Remedy overload condition• Ensure adequate air supply
Jack bleeds off after lift	<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 ARI hetra Tech. Service
Jack will not lower after unloading	<ul style="list-style-type: none">• Reservoir overfilled• Linkages binding	<ul style="list-style-type: none">• 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 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

ONE YEAR LIMITED WARRANTY

For a period of one (1) year from date of purchase, **AUTOMOTIVE RESOURCES, INC.** will repair or replace, at its option, without charge, any of its products which fails due to a defect in material or workmanship, or which fails to conform to any implied warranty not excluded hereby.

Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, to **AUTOMOTIVE RESOURCES, INC.** Warranty Service Department, Fairfax, VA 22030, phone (800)562-3250.

Except where such limitations and exclusions are specifically prohibited by applicable law. (1) the CONSUMER'S SOLE AND EXCLUSIVE REMEDY SHALL BE THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS AS DESCRIBED ABOVE, and (2) **AUTOMOTIVE RESOURCES, INC.** SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE OR LOSS WHATSOEVER, and (3) THE DURATION OF ANY AND ALL EXPRESSED AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO A PERIOD OF ONE (1) YEAR FROM DATE OF PURCHASE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

REPLACEMENT PARTS

Available Parts: Please refer to the Parts drawings when ordering parts. Not all components of the jack are replacement items, but are illustrated as a convenient reference of location and position in the assembly sequence. When ordering parts, give Part No. and the description. For example, to order an oil filler screw for Model No. AH-26576, simply request Part # 26576-03, oil filler screw for Model No. AH-26576. To order parts contact ARI hetra at (800) 562-3250 for current pricing or Website: www.ari-hetra.com

<u>Parts No.</u>	<u>Description</u>	<u>Quantity</u>
01	saddle assy.	1
02	hydraulic unit assy *	1
03	oil filler screw	1
04	base halves (includes hardware)	2
05	caster assy (includes hardware)	4
06	release pedal	1
07	lift control pedal	1
08	foot pumping pedal	1
09	saddle adjusting knob	2
10	air motor *	1
11	air hose assy	1
12	air inlet valve assy	1
13	male connector	1
--	label(s) (not shown)	1
--	manual (OIPM# 26576-TJ)	1

(* No replacement parts available for hydraulic unit or air motor.

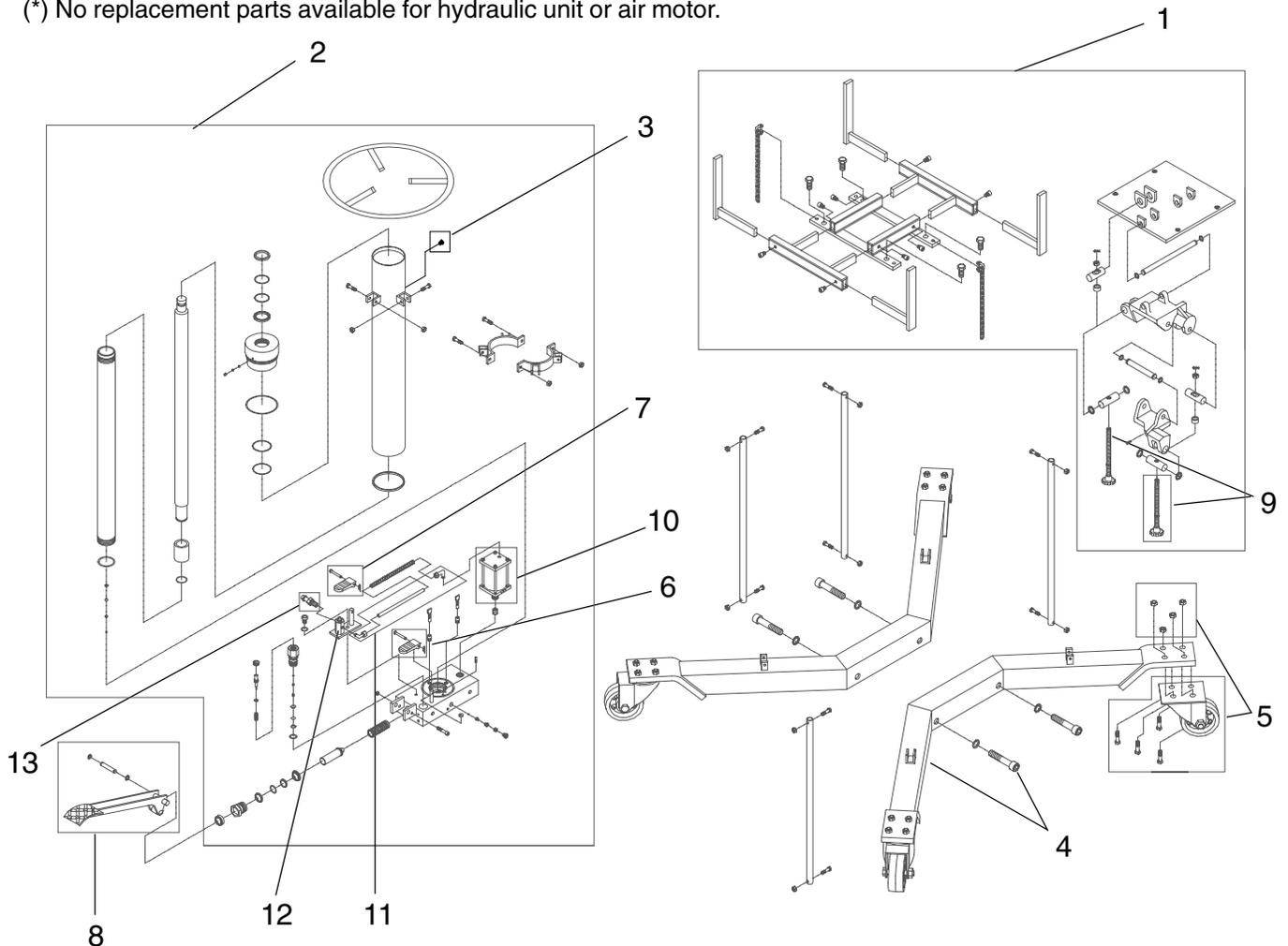


Figure 2 - Replacement Parts Illustration for Model No. AH-26576

