

RHO-17000 2-TON TROLLEY JACK OWNER'S MANUAL



Features:

- Heavy-duty steel construction ensures long term durability
- Lightweight design with carry handle for easy transport
- Swivel saddle and swivel rear casters provide easy and safe positioning
- Built-in safety valve protects against ram over-travel
- Meets or exceeds the current ASME PASE standards

Specifications:

- Model: RHO-17000
- Capacity: 2 Tons
- Min. Height: 5.13" (130 mm)
- Max. Height: 13" (330 mm)
- Product Size: 17.25" x 7.63" x 5.5" (440 x 195 x 140 mm)
- Shipping Weight: 20.24 lbs (9.2 kg)

SAFETY AND WARNING INFORMATION



This is the safety notification symbol. This symbol will notify you of any potential injury hazards. Please follow all instructions that follow this symbol to avoid possible injuries or death.



Indicates a hazardous situation. If proper steps are not followed, death or serious injury could result.



IMPORTANT: Read All Instructions Before Use

Before operating, read this manual carefully. Understand the operating procedures, maintenance requirements, and all safety warnings.

If the operator is not fluent in English, the instructions must be read and explained in their native language to ensure comprehension.



Safety Guidelines:

- Study, understand, and follow all instructions.
- Do not exceed rated capacity.
- Use only on hard, level surfaces capable of supporting the load.
- Center load on the saddle before lifting.
- Support vehicle with jack stands immediately after lifting.
- Do not move or dolly vehicle while on the jack.
- Lift only at manufacturer-specified areas.
- Make no alterations to this product.
- Use only manufacturer-supplied attachments/adapters.



Failure to follow instructions may result in injury or property damage.

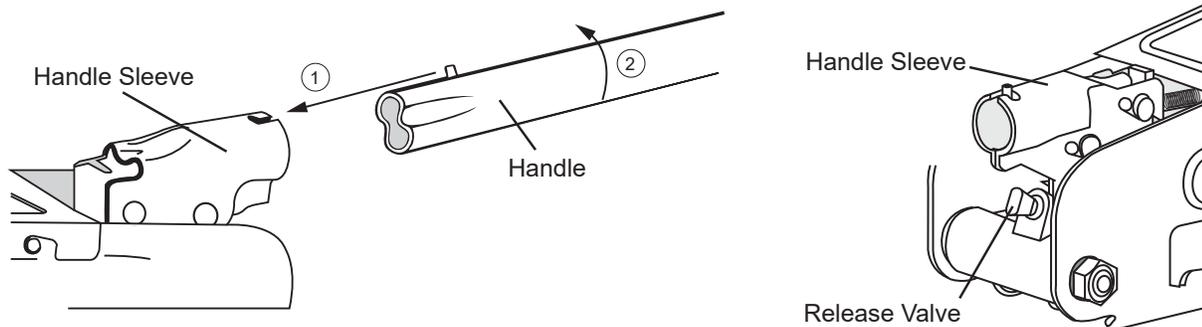
SETUP, OPERATION AND PREVENTATIVE MAINTENANCE

SETUP

- Prior to each use, visual inspection (See Pg. 5) shall be made to the device by checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.
- Consult the vehicle owner's manual to determine the location of lift points.
- Be sure to set the vehicle in park with the emergency brake on and wheels securely chocked.
- Be sure that the vehicle and the jack are on a hard, level surface.

ASSEMBLY

- Insert the bottom end of handle into handle sleeve and twist to engage the sleeve pin on the handle securely into the slot of the handle sleeve.



LIFTING

- Using the bottom end of the handle, close the release valve by sliding the end of the handle over the release valve stem and rotating the handle firmly in a clockwise direction (do not over tighten). Then, insert the handle into the handle socket, as shown above, and carefully position the jack under the load and pump the jack handle to raise the load to the desired height.
- Immediately after lifting, support the vehicle with appropriately rated jack stands.
- Again, using the bottom end of the handle, turn the handle/release valve slowly counterclockwise to lower the vehicle onto jack stands.

LOWERING

- Using the bottom end of the handle, as in the lifting instructions, close the release valve by rotating the handle firmly in a clockwise direction (do not over tighten). Then, insert the handle into the handle socket, as shown above, and carefully position the jack under the load and pump the jack handle to raise the load off of the jack stands.
- Remove the jack stands. Do not get under or let anyone get under the vehicle while lowering.
- Again, using the bottom end of the handle, turn the handle/release valve VERY SLOWLY counterclockwise to lower the vehicle onto the ground. The faster you open the release valve, the faster the vehicle will drop.

MAINTENANCE



NOTICE: Use high grade hydraulic oil only. Never use brake fluid, motor oil, transmission fluid, turbine oil or any other fluids. ISO-VG22 or equivalent hydraulic oil is recommended.

CHECK AND REFILL OIL:

- With the jack in the fully lowered, level position, if unit cover is provided, remove unit cover, then remove oil filler plug.
- Proper oil level should be just covering inner cylinder as seen from the oil filler plug hole.
- Do not overfill. Always fill with new, clean hydraulic jack oil as recommended above.
- Reinstall oil filler plug, then reinstall unit cover.

LUBRICATION AND CLEANING

- Periodically clean and lubricate all moving parts and pivot points.

AIR VENTING PROCEDURE

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

DAMAGED EQUIPMENT

Any jack that appears to be damaged in any way, is found to be worn, or operates abnormally **MUST BE REMOVED FROM SERVICE UNTIL REPAIRED**. It is recommended that necessary repairs be made by a manufacturer's or supplier's authorized repair facility if repairs are permitted by the manufacturer or supplier.

ALTERATIONS

Because of potential hazards associated with this type of equipment, no alterations shall be made to the product.

ATTACHMENTS AND ADAPTERS

Only attachments and/or adapters supplied by the manufacturer shall be used. There are no attachments and/or adapters for this unit available by the manufacturer.

INSPECTION, STORAGE AND TROUBLESHOOTING



INSPECTION

- Visual inspection shall be made before each use of the device by checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.
- Other inspections shall be made per product operating instructions.
- This device shall be inspected immediately if the device is believed to have been subjected to an abnormal load or shock. It is recommended that this inspection be made by a manufacturer's or supplier's authorized repair facility.
- Owners and/or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that an annual inspection of the product be made by a manufacturer's or supplier's authorized repair facility and that any defective parts, decals, or safety labels or signs be replaced with manufacturer's or supplier's specified parts.



STORAGE

- This jack should be stored in a dry location on a level surface.

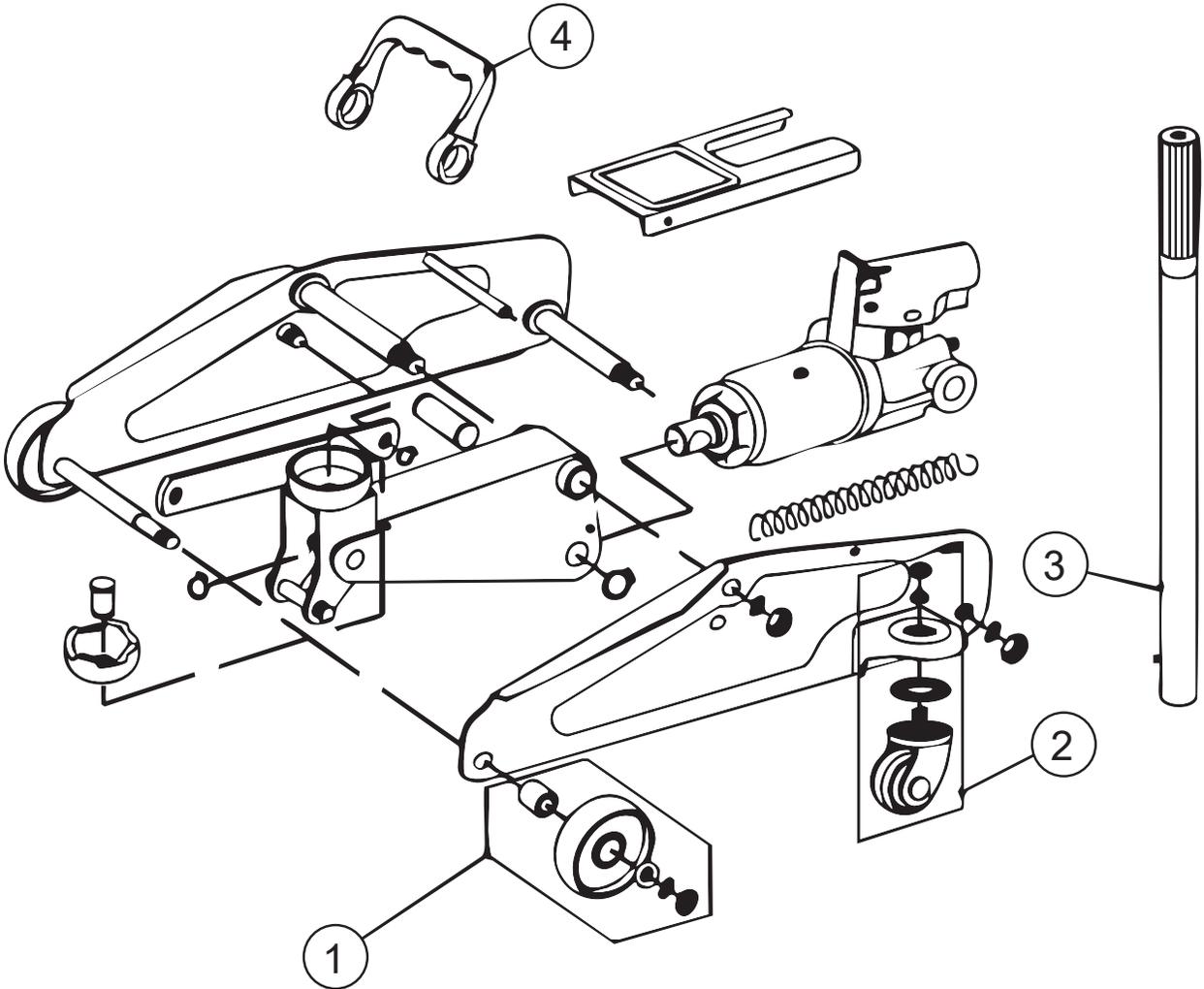


TROUBLESHOOTING

Symptom	Possible Causes	Solution
Jack will not lift the load.	1. Release valve not tightly closed.	1. Tighten release valve knob.
	2. Low oil level.	2. Check and add oil. Follow "Check and Refill Oil" instructions on page 4.
	3. Defective or worn internal parts.	3. Discontinue use and contact a local repair center.
	4. Load exceeds maximum allowance.	4. Use a higher capacity jack.
Jack will not hold the load.	1. Release valve not tightly closed.	1. Tighten release valve knob.
	2. Power unit malfunction.	2. Discontinue use and contact a local repair center.
Jack will not descend to minimum height, or will not remain in lowered position.	1. Air trapped in system.	1. Vent air out of system. Follow "Air Venting Procedures" above.
	2. Reservoir oil overfilled.	2. Check and ensure proper oil level. Follow "Check and Refill Oil" instruction on page 4.
Jack will not lift to max height.	1. Low oil level.	1. Check and ensure proper oil level. Follow "Check and Refill Oil" instructions above.
Jack will not function properly after tried solution.	1. Internal malfunction or structural damage.	1. Stop use and contact an authorized repair center.

REPLACEMENT PARTS

Not all components of this product 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:



ITEM#	ORDERING PART#	PART DESCRIPTION
1	LYQ2K-200	FRONT WHEEL ASSEMBLY
2	LYQ2D.200	REAR CASTER ASSEMBLY
3	LYQ2R-200	PUMP HANDLE
4	LYQ2D-2	CARRY HANDLE



ATD[®]

WARRANTY

1 YEAR LIMITED WARRANTY

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

PURCHASED FROM: _____

DATE PURCHASED: _____

INVOICE/RECEIPT NUMBER: _____

Your RHO-17000 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]