



Instructions for: **AIR-HYDRAULIC TROLLEY JACKS**  
**Models: 3002HLA, 5002HA,**  
**1002HA, 1502HA & 1802HA**

Thank you for purchasing a Sealey jack. This product is manufactured to a high standard of dependability, and if correctly cared for, will give you years of trouble free performance.



**IMPORTANT**

**READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS JACK CORRECTLY, AND WITH CARE, FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE, OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.**

**1. SAFETY PRECAUTIONS**

- ✓ Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts.  
*Use recommended parts only. The use of improper parts may be dangerous and will invalidate the warranty.*
- ✓ Keep the jack clean for best and safest performance.
- ✓ Locate the jack in an adequate, well lit working area.
- ✓ Keep working area clean and tidy and free from unrelated materials.
- ✓ Use jack on level and solid ground, preferably concrete. *Avoid tarmacadam since jack may sink in.*
- ✓ Place wedges under wheels of vehicle (*but ensure wheels of jack can freely move*).
- ✓ Ensure the vehicle handbrake is engaged, the engine is switched off and the transmission is in 1st gear (or in "PARK" if automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle tilt & static objects such as doors, walls, etc.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Ensure there are no passengers in the vehicle which is to be jacked up.
- ✓ Place jack under vehicle manufacturer's recommended lifting points (*see vehicle hand book*).
- ✓ Check that the lifting point is stable and centred on the jack saddle.
- ✓ Ensure the jack wheels are free to move and that there are no obstructions.
- ✓ **DANGER:** *Use the jack for lifting only, NOT for supporting the lifted load.*
- ✓ Use correct axle stands under the vehicle before proceeding with any task.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ Confirm that the recommended *hydraulic oil* is used during maintenance.
- x DO NOT operate the jack if damaged.
- x DO NOT allow untrained persons to operate the jack.
- x DO NOT exceed the rated capacity of the jack.
- x DO NOT allow the vehicle to move during jacking.
- x DO NOT use the jack to move vehicle.
- x DO NOT jack a vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances or a risk of load movement.
- x DO NOT work under the vehicle until axle stands have been correctly positioned.
- x DO NOT use the jack for purposes other than which it is intended.
- x DO NOT top up system with brake fluid. Use hydraulic oil only.
- x DO NOT alter the pressure control valve.
- ✓ Store jack in a dry, childproof area when not in use, and in its down position.

**2. ASSEMBLY & SPECIFICATIONS**

- 2.1. Loosen the thumbscrew at the side of the handle base.
- 2.2. Insert jack handle and tighten thumbscrew until it locates in the groove in the handle.
- 2.3. Check that the handle can be lifted and rotated by approximately 20mm.
- 2.4. Remove transit plug from air system 'Y' connector (Part No.1184) and insert air pipe which protrudes from base of handle.

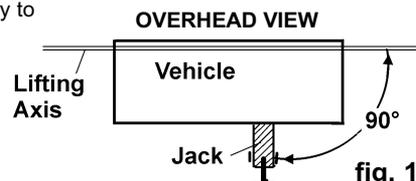
MODEL	3002HLA	5002HA	1002HA	1502HA	1802HA
Capacity - kg	3000	5000	10,000	15,000	18,000
Chassis Length/width/height - mm	1600/465/205	1265/465/200	1720/470/270	1825/505/320	1825/505/320
Saddle height - max/min - mm	900/135	585/150	675/175	655/215	655/215
Air pressure - bar (psi)	8 - 10 bar (116 - 145)				
Weight - kg	97	77	146	177	183

**3. OPERATING INSTRUCTIONS**

- 3.1. Before using the jack, purge the hydraulic circuit in order to remove any air from the system.
  - a) Open the release valve by turning the handle clockwise.
  - b) Pump handle several times to ensure full internal lubrication and to bleed any air from system.
  - c) Release the handle to close the release valve when done.
- 3.2. If air is to be used, confirm air pressure is within specified range and then connect air supply to coupling on handle.

**IMPORTANT** Air supply must have a water separator and oiler within 16 metres (52 feet) of the jack otherwise warranty will be invalidated.

- 3.3. Prepare the vehicle as mentioned in the safety instructions ensuring the ground on which the jack is to stand is level and solid (not tarmacadam).
- 3.4. Position the jack saddle under the vehicle manufacturer's recommended lifting point. Ensure that the jack is at a right angle (90°) to the vehicle. Deviations either side of the 90° will exert additional stress on the lifting arm which is dangerous (see fig.1).



- 3.5. Pump the handle up and down using maximum strokes so that the saddle quickly reaches the working height. Alternatively use the air pump by pressing the control button in the top of the handle or use the foot pedal.
- 3.6. Raise the load by pressing the air control button or, manually, by using approximately 1/3 full strokes of the handle. Should the jack become overloaded, a safety excess pressure valve will open and stop the vehicle from lifting. If the jack stops lifting, either through overload or because it has reached its maximum height, DO NOT continue to pump as damage to the jack may result.
- 3.7. Weight Distribution  
Up to 80% of the lifted load is carried by the front wheels of the jack resulting in very high loads at the point of contact with the floor. To protect the floor, boards may be placed beneath the jack wheels.
- 3.8. Lowering the load  
Pull up and rotate the handle clockwise to lower. The lowering speed is controlled by the amount the handle is turned. Lower carefully and slowly avoiding any sudden changes in lowering speed which would shock load the jack's hydraulic system. Ensure there are no persons or obstacles beneath the vehicle, or in the path of its descent.



**IMPORTANT SAFETY REMINDERS. Before lifting ensure:**

- Vehicle is clear of passengers. Transmission is in gear (or "Park" for automatic transmission) and handbrake engaged.
- Vehicle is positioned on a **HARD LEVEL SURFACE**, with wheels securely chocked to prevent it from moving. The jack wheels are free and able to move during lifting.
- You have consulted your vehicle handbook to confirm position to place the jack saddle.
- Any trailer, farm equipment etc. coupled to the vehicle to be lifted has been removed and placed in a safe location.
- AXLE STANDS** are available for use when the vehicle is elevated.

## 4. MAINTENANCE

**Note:** Only fully qualified personnel should attempt maintenance or repair.

- 4.1. When the jack is not in use, the ram and the handle socket should be in their lowest position.  
*Remove the handle to deactivate jack.*
- 4.2. Daily - Air supply - drain water separator and refill oiler.
- 4.3. Monthly - Check the oil level. Fully lower the jack, remove top cover and unscrew filler plug. The oil level should be approximately 10mm below the filler opening. If oil level is low, fill as required. Note: Use a good quality jack oil, such as SEALEY HYDRAULIC OIL.  
**WARNING: DO NOT use brake fluid, or any fluid other than hydraulic fluid as this may cause serious damage to the jack and will invalidate the warranty!**  
Clean jack and lubricate all moving parts with acid free oil.
- 4.4. Three monthly - Remove the circlips on the caster wheels and lubricate the ball bearings with grease.
- 4.5. After a year of extensive use, the oil should be replaced in order to extend the life of your equipment.
- 4.6. Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.

**De-commissioning** - Should the jack become completely unserviceable, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.

## 5. TROUBLE SHOOTING

THE PROBLEM	THE CAUSE	THE SOLUTION
Jack will not lift high enough.	1. Possible insufficient oil level. 2. Safety overload valve activated.	1. Check the oil level, see 4.3. above. 1. After several years of use the seals may be worn, replace using a recommended repair kit. 2. The load is too heavy for the jack.
Jack will not lift	1. Release valve not fully seated	1. Tap the end of the release rod (Part No. 127, 2664 or 2692) with a light hammer to reseal ball. 1. Check that clearance between inner release rod nut (Part No. 128) and release arm (Part No. 131) is 0.5 to 1.5 mm. Loosen lock nut and adjust as necessary.

### Declaration of Conformity

We, the sole importer into the UK, declare that the products listed below are in conformity with the following EEC standards and directives.

**AIR-HYDRAULIC TROLLEY JACKS**  
**MODELS: 3002HLA, 5002HA, 1002HA,**  
**1502HA & 1802HA**  
 98/37/EEC Machinery Directive



The construction files for these products are held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

Signed by Mark Sweetman

2nd August 1999

For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Products.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

**DO NOT RETURN JACKS TO US.** Please telephone us on 01284 757500 to obtain the address and phone number of your local agent. If jack is under guarantee please contact your dealer.

**IMPORTANT:** No liability is accepted for incorrect use of this equipment

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue call us on 01284 757525 and leave your full name and address, including postcode.



**Sole UK Distributor**  
**Sealey Group,**  
 Bury St. Edmunds, Suffolk.



01284 757500



01284 703534

E-mail: [sales@sealey.co.uk](mailto:sales@sealey.co.uk)