

Your new jack is produced and manufactured to a high standard of dependability and will, if correctly cared for, 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 AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Ensure jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts. *Use genuine parts only*, the use of improper parts may be dangerous and will invalidate the warranty. Repairs to be undertaken by qualified personnel only.
 - ✓ Locate the jack in a suitable, well lit work area.
 - ✓ Keep work area clean and tidy and free from unrelated materials.
 - ✓ Use jack on level and solid ground, preferably concrete. *Avoid tarmac/adam as jack may sink in.*
 - ✓ Ensure that the vehicle handbrake is engaged, the engine is switched off, the transmission is in gear (or in "Park" if automatic) and the wheels are chocked.
 - ✓ Ensure at least 0.5m between vehicle and objects such as doors, walls, etc. to allow for tilt during jacking.
 - ✓ Ensure there are no passengers in the vehicle at any time during jacking or whilst jacked up.
 - ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
 - ✓ Place jack under vehicle manufacturer's recommended lifting points (*see vehicle handbook*).
 - ✓ Check that the lifting point is not corroded and that it is centred and stable 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.*
 - ✓ Place adequately rated axle stands under the vehicle before proceeding with any task.
 - ✓ Keep hands etc. clear of moving parts during the raising and lowering of the vehicle.
 - ✓ Ensure that there are no persons or obstructions beneath the vehicle before lowering.
 - ✓ Use a qualified person to lubricate and maintain the jack.
 - ✓ Use only recommended *hydraulic jack oil*.
 - x **DO NOT** operate the jack if it is damaged.
 - x **DO NOT** exceed the rated capacity of the jack. Check vehicle weight in vehicle user's manual.
 - x **DO NOT** allow the vehicle to move during jacking, and **DO NOT** start the engine.
 - x **DO NOT** place any part of your body under vehicle whilst it is supported by jack. **Always** use axle stands.
 - x **DO NOT** use the jack to move vehicle.
 - x **DO NOT** jack vehicle which may result in spillage of fuel, battery acid, or other dangerous substances.
 - x **DO NOT** top up hydraulic unit with brake fluid. Use recommended hydraulic oil only.
 - x **DO NOT** adjust safety overload valve or modify jack. Use for lifting vehicles only.
 - ✓ When not in use ensure arm is in the down position and store in a safe, dry, childproof area.
 - ☐ **WARNING!** *It is very dangerous to go under a vehicle which is supported by a jack even if additional supports are used. DO NOT go under vehicle unless it is supported by adequately rated axle stands.*
- ▲ IMPORTANT! Make sure that you can see the saddle and jacking point throughout the jacking operation in case there is any relative movement.**

Model TJ3 Specification

Capacity 3 tons
 Min. saddle height 145mm
 Max. saddle height 525mm
 Max. chassis height 190mm
 Length 1220mm
 Weight 50kg
 Oil capacity 0.37l

Model TJ5 Specification

Capacity 5 tons
 Min. saddle height 195mm
 Max. saddle height 575mm
 Max. chassis height 220mm
 Length 1300mm
 Weight 72kg
 Oil capacity 0.75l

Model TJ10 Specification

Capacity 10 tons
 Min. saddle height 195mm
 Max. saddle height 575mm
 Max. chassis height 260mm
 Length 1600mm
 Weight 112kg
 Oil capacity 1.15l

Model TJ15 Specification

Capacity 15 tons
 Min. saddle height 180mm
 Max. saddle height 575mm
 Max. chassis height 255mm
 Length 1845mm
 Weight 157kg
 Oil capacity 1.25l

2. INTRODUCTION & ASSEMBLY

2.1. INTRODUCTION

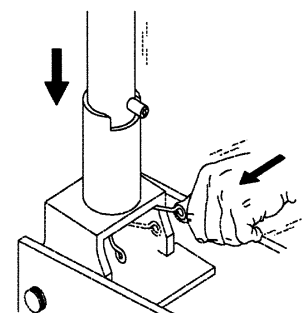
Your jack has been designed for industrial use but must only be used on hard, flat, even surfaces. All models have a safety lock and overload device built into the unit and a T-handle twist lock safety release feature. A foot pedal is fitted for raising the saddle rapidly to the jacking point. Normal use of pumping handle then lifts the load.

☐ **WARNING!** The load must not exceed the maximum capacity of each model (see model specifications).

2.2. ASSEMBLY

Insert the handle into the socket whilst simultaneously pressing together the spring clip. Ensure that the clip engages in the slot on the handle (see right).

▲ CAUTION! *The spring is an important safety feature which will automatically stop the jack from lowering if the handle is released (known as the "Deadman" principle). It is, therefore, very important to ensure that the handle and spring are correctly fitted.*



3. OPERATING INSTRUCTIONS

3.1. PREPARATION

3.1.1. Before using the jack, purge hydraulic circuit in order to eliminate any air that may have entered the system during transit.

- a) Open the release valve by turning the handle clockwise against the spring and hold the handle in that position.
- b) Pump using full strokes for approximately one minute to ensure complete internal lubrication and to bleed any air from the system.
- c) Release the handle and the spring will automatically return the handle to the normal pumping position.
- d) Place a few drops of hydraulic jack oil on the pump piston and pump the handle several times to distribute the oil.
- e) Thoroughly lubricate all moving parts.

3.1.2. Prepare the vehicle for jacking according to Section 1 safety instructions.

3.2. JACKING

☐ **DANGER!** *Use the jack for lifting only, NOT for supporting the lifted load. Read, understand and apply Section 1 safety instructions.*

3.2.1. Depress the foot pedal to raise the saddle to the jacking point.

- 3.2.2. Commence pumping handle up and down using full stroke range until vehicle reaches the required height. If the jack becomes overloaded, a safety excess pressure valve will open and stop the vehicle from lifting.
- 3.2.3. Once the required height is reached immediately position adequately rated axle stands under the vehicle.
- 3.3. LOWERING**
- WARNING!** Check that no-one is under vehicle and that there are no obstacles under vehicle, or in the path of descent.
- 3.3.1. Take the weight of the vehicle on the jack and then remove the axle stands.
- 3.3.2. Turn the handle clockwise against the spring and hold to lower the load. A safety device will lower the load smoothly whilst controlling the speed of descent. When you release the handle the spring will automatically return it to the pumping position and lowering will stop.
- 3.3.3. When not in use, ensure the jack lifting arm is fully down and the handle is removed. Store in a safe, dry, childproof location.

4. MAINTENANCE

IMPORTANT: Maintenance or repair must only be undertaken by fully qualified personnel.

- 4.1. When not in use ensure the lifting arm is fully down to minimise corrosion, and the handle is removed to inactivate the jack.
- 4.2. Keep the jack clean and lubricate all moving parts on a regular basis.
- 4.3. To check the oil level, fully lower the jack. Remove filler plug. The correct oil level should be just below the filler plug opening. If oil level is low, fill as required. Pump unloaded jack 5 or 6 times to expel air and then refit plug.
NOTE: Use a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL.
- WARNING:** DO NOT use brake fluid, or any fluid other than hydraulic jack oil as this may cause serious damage to the jack and will invalidate the warranty!
- 4.4. Before each use check for broken, cracked, bent, or loose parts, or any visible damage to welds, ram, pump, saddle, lifting arm, frame and all parts including nuts, bolts, pins and other fasteners. If any suspect item is found remove jack from service and take necessary action to remedy the problem. DO NOT use the jack if it is believed to have been subjected to abnormal load or shock. Inspect and take appropriate action.
- 4.5. After a year of extensive use, the oil should be replaced in order to extend the life of the jack. To drain the oil, remove the filler cap and valve. Make sure that no dirt is allowed to enter the hydraulic system. See 4.3. for refill instructions.
- 4.6. Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.

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 telephone number of your local agent. If the jack is under guarantee please contact your dealer.

DECOMMISSIONING

If the jack becomes unserviceable, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.

5. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load	1) Overloaded 2) Oil level low 3) Release valve not correctly closed 4) Air in system 5) Piston rod not functioning 6) Packing worn or defective	1) Be sure to use a jack with adequate capacity. 2) Top-up oil level. 3) Check and close release valve. Replace spring if damaged. 4) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try. 5) Clean and replace oil. 6) Replace packing.
Jack does not lift high enough or feels "spongy"	1) Oil level too high or too low 2) Worn seals 3) Air in system 4) Release valve not closed	1) Fill or remove excess oil. 2) Return jack to local service agent. 3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try. 4) Check and close release valve. Replace spring if damaged.
Jack lifts poorly	1) Pump packing or valves malfunctioning 2) Oil is dirty 3) Air in the system	1) Replace packing and/or clean valves. 2) Replace oil. 3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try.
Jack lifts but will not hold load	1) Release valve partially open 2) Dirt on valve seats 3) Air in system 4) Faulty seals 5) Packing worn or defective	1) Check and close release valve. Replace spring if damaged. 2) Lower jack, close release valve. Place foot on front wheel and pull up lifting arm to full height by hand. Open the release valve to lower arm. 3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try. 4) Replace seals or contact local service agent. 5) Replace packing.
Jack will not lower completely	1) Unit requires lubrication 2) Piston rod bent or damaged 3) Jack frame/link system distorted due to overloading/poor positioning 4) Air in system 5) Release valve partially open 6) Jack spring damaged	1) Oil all external moving parts. 2) Replace rod or contact local service agent. 3) Replace damaged parts or contact local service agent. 4) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try. 5) Check and fully open release valve. 6) Replace spring or contact local service agent.
Jack does not lower at all	1) Release valve still closed	1) Check and fully open release valve. Replace spring if damaged.

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

Trolley Jacks
Models TJ3, TJ5, TJ10, TJ15
98/37/EC Machinery Directive
93/68/EEC CE Marking Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

24th October 2001

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

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.

IMPORTANT: No liability is accepted for incorrect use of this product.

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 and promotions call us on 01284 757525 and leave your full name, address and postcode.



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

01284 757500

01284 703534

E-mail: sales@sealey.co.uk