

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



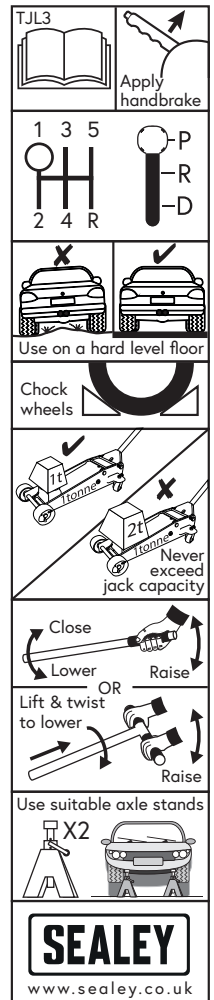
Refer to  
instructions



Wear safety  
footwear

## 1. SAFETY

- ❑ **WARNING!** Please note that the handle socket of this jack is retained under tension and must be released before use. Caution should be taken when releasing, as the handle socket will suddenly raise to its upright position if not controlled.
- ✓ The user shall work only in accordance with this instruction manual.
- ✓ Care must always be taken when handling loads to minimise the risk of dangerous situations, such as crushing.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✓ The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person.
- ✓ Locate the jack in a suitable, well lit working area.
- ✓ Keep working area clean and tidy and free from unrelated materials.
- ✓ Ensure there is adequate space for operating and maintenance of the trolley.
- ✓ Perform a risk assessment of the area before use.
- ✓ Use jack on level and solid ground, preferably concrete. Avoid tarmac as the jack may sink in.
- \* **DO NOT** use the jack to lift people. Lifting of persons is prohibited.
- \* **DO NOT** use in severe weather conditions. Risk assess the task.
- \* **DO NOT** have food near or on the jack.
- ✓ Ensure the jack is in sound condition and good working order before each and every use.
- ✓ Take action for immediate repair or replacement of damaged parts. Use genuine parts only.
- \* **DO NOT** modify the jack. The use of non-genuine parts may be dangerous and will invalidate the warranty.
- ✓ Chock wheels of vehicle.
- ✓ Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or "PARK" if automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc. to allow for vehicle tilting.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Ensure there are no passengers in the vehicle.
- ✓ Place jack under only those lifting points recommended by vehicle manufacturer (see vehicle handbook).
- ✓ 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.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- \* **DO NOT** work under the raised load until it is secured by suitable means.
- ✓ Use suitable axle stands under the vehicle before proceeding with any task.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ Ensure that only hydraulic jack oil is used in the jack.
- \* **DO NOT** operate the jack if damaged.
- \* **DO NOT** allow untrained persons to operate the jack.
- \* **DO NOT** operate the jack when tired or under the influence of drugs, alcohol or intoxicating medication.
- \* **DO NOT** exceed the rated capacity of the jack.
- \* **DO NOT** allow the vehicle to move during lifting or lowering, or use the jack to move the vehicle.
- \* **DO NOT** jack vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- \* **DO NOT** work under the vehicle until appropriately rated axle stands have been correctly positioned.
- \* **DO NOT** use the jack for purposes other than that for which it is intended.
- ✓ When not in use, store the jack, fully lowered, in a safe, dry, childproof area.
- ✓ Jacks shall be maintained and repaired in accordance with the manufacturer's instructions. Such maintenance and repair shall be carried out by qualified persons.
- ✓ No modifications shall be carried out which adversely affect the compliance of the jack with the standard.
- ✓ Check the state of the markings and that the markings remain as the initial one.
- ✓ When refilling the hydraulic system, the characteristics of the hydraulic fluid used in the jack and the level of hydraulic fluid as it is given by the manufacturer shall be observed.
- \* **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only. (Sealey Part No: HJO500MLS or HJO5LS)
- ❑ **WARNING!** Possible emission/leakage of hazardous substances.
- ✓ In the event of oil spillage ensure an oil spill kit is to hand. Consult Sealey website for Materials Safety Data Sheet for characteristics of fluids included with the product. Firefighting procedure/equipment should be in accordance with the Materials Safety Data Sheet.



- ✗ **DO NOT** adjust the safety overload valve.
- ✓ This jack is designed for use in an ambient operating temperature between -10°C and +50°C.
- ✓ Perform safety checks when restarting after an intervention.
- ✓ In the event of an emergency, accident or breakdown, stop using the jack. Make provisions for safely lowering the load. Perform maintenance requirements before reuse

## 2. INTRODUCTION

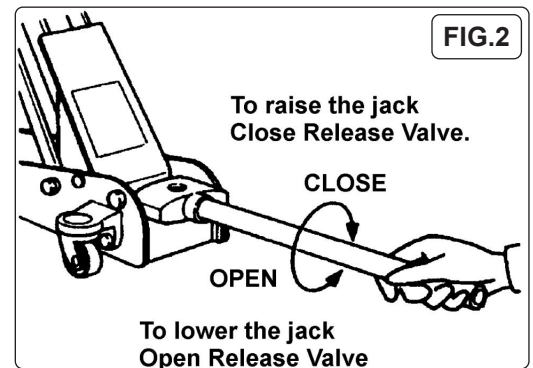
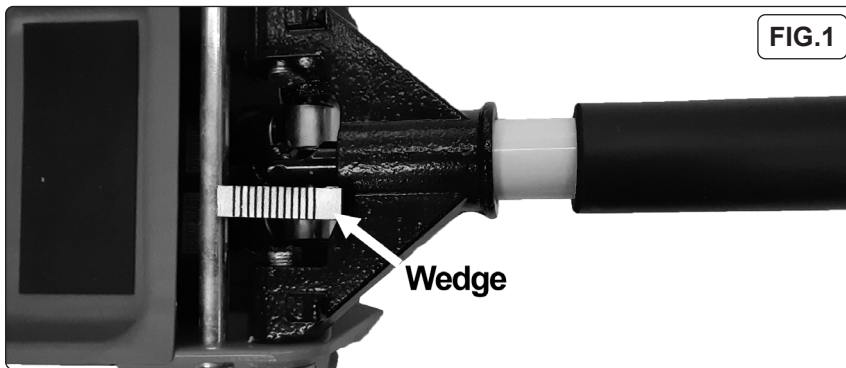
Twin piston Rocket Lift feature brings saddle to maximum height in minimal strokes. Universal joint release mechanism allows safer, more controlled lowering of jack. Profiled lifting arm gives low clearance height of just 88mm making it suitable for sports and custom cars. Heavy-duty steel chassis provides stability and endurance. Fitted with an overload valve for added safety. Hydraulic oil by-pass system protects ram from being overextended.

## 3. SPECIFICATION

Model No:..... **NA2500**  
 Applicable Standard:..... EN 1494  
 Capacity:..... 2.5 Tonne  
 Consumables:..... Rubber Jack Pad(JP17)  
 .....Polyurethane wheel kit (2500LE.PW)

Length:..... 701mm  
 Maximum Chassis Height: ..... 151mm  
 Maximum Saddle Height: ..... 495mm  
 Minimum Saddle Height: ..... 88mm  
 Nett Weight: ..... 30.3kg

## 4. OPERATION



- ❑ **WARNING!** Before use ensure you have read, understood and applied Section 1 safety precautions.
- IMPORTANT:** Before use, the operator is to visually inspect the jack for cracked welds, damaged or missing parts or hydraulic leaks.
- 4.1. RELEASING THE RETAINING WEDGE (FIG.1)**
- 4.1.1. Seek assistance from a second person if required.
  - 4.1.2. Insert the lower handle section into the handle socket and secure with the retaining bolt to aid in releasing pressure in the handle socket.
  - 4.1.3. Push down on the handle and hold down while removing the retaining wedge that is securing the handle socket in the down position.
  - 4.1.4. Remove the wedge.
  - 4.1.5. Gently and in a controlled manner slowly allow the lower handle section and handle socket to raise to their upright position.
- 4.2. BEFORE USE**
- 4.2.1. Insert the upper handle into the lower handle.
  - 4.2.2. Check the lower handle is secure and fully engaged with the release valve.
  - 4.2.3. Tighten the handle retaining bolt.
- 4.3. HYDRAULIC SYSTEM PURGE**
- 4.3.1. Open the release valve by turning it two full turns counter-clockwise.
  - 4.3.2. Pump the handle a minimum of ten full strokes.
  - 4.3.3. Close the release valve by turning it clockwise.
- 4.4. RAISING A VEHICLE**
- We recommend that efforts of raising the load shall be reduced by the use of assistance during this operation.
- 4.4.1. Ensure that the jack and the vehicle are on a hard, level surface.
  - 4.4.2. Always ensure that the vehicle handbrake is engaged and that the vehicle wheels are chocked.
  - 4.4.3. Consult the vehicle manual to determine the location of jacking points.
  - 4.4.4. Position the jack under a suitable lifting point.
  - 4.4.5. Turn the release valve clockwise, to the closed position. **DO NOT** over-tighten.
  - 4.4.6. Raise the vehicle to the desired height by pumping the handle up and down.
  - 4.4.7. Place axle stands beneath the locations recommended by the vehicle manufacturer.
  - 4.4.8. Turn the release valve slowly counter-clockwise to lower the vehicle on to the axle stands.
- 4.5. LOWERING A VEHICLE**
- 4.5.1. Turn the release valve clockwise to the closed position.
  - 4.5.2. Pump the handle to raise the vehicle off the axle stands.
  - 4.5.3. Remove the axle stands from beneath the vehicle.
  - 4.5.4. Turn the release valve slowly counter-clockwise to lower the vehicle to the ground.
- NOTE:** When not in use, **ALWAYS** leave the saddle and ram fully retracted.

## 5. MAINTENANCE

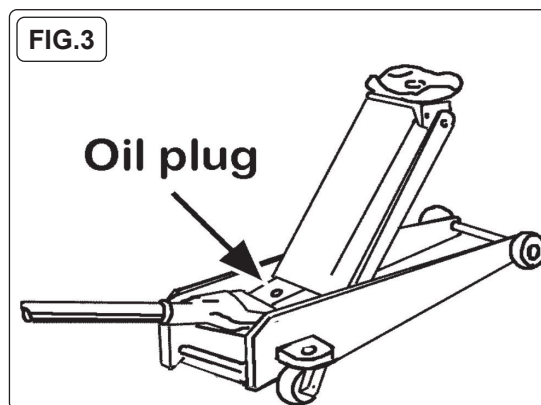
**IMPORTANT:** Only fully qualified personnel should attempt maintenance or repair. Jacks shall be maintained and repaired in accordance with the manufacturer's instructions. Such maintenance and repair shall be carried out by qualified persons. No modifications shall be carried out which adversely affect the compliance of the jack with the standard. Check the state of the markings

and that the markings remain as the initial one.

- 5.1. When the jack is not in use, the ram should be in its lowest position to minimise corrosion. Remove the handle to inactivate jack.
- 5.2. Keep the jack clean and lubricate all moving parts with oil on a regular basis.
- 5.3. To check the oil level, fully lower the jack. Remove filler plug (fig.3). The correct oil level should be approximately 5mm below the filler opening. If oil level is low, fill as required. Pump unloaded jack 15 to 20 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 fluid as this may cause serious damage to the jack and will invalidate the warranty!
- 5.4. 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 believed to have been subjected to abnormal load or shock. Inspect and take appropriate action.
  - 5.5. Every three months remove the locking rings on the caster wheels and lubricate the ball bearings with acid free grease.
  - 5.6. After a year of extensive use, the oil should be replaced in order to extend the life of your jack. To drain the oil, remove the filler cap and valve. Make sure that no dirt is allowed to enter the hydraulic system's oil. Dispose of oil according to local authority regulations.
  - 5.7. 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 THE JACK.  
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 stockist.



## 6. STORAGE

- ✓ When not in use, store in a safe, dry, childproof area, with an ambient temperature between -10°C and +50°C.
- ✓ Store the jack in the fully lowered position.
- ✓ Transport and store in original packaging.

## 7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load.	Overloaded.	Be sure to use jack with adequate capacity.
	Oil level low.	Top up oil level.
	Release valve not correctly closed.	Check and close release valve.
	Air in system.	Check and close release valve and air vent (if fitted) and pump the handle 15 to 20 times. Close valve and re-try.
	Piston rod not functioning.	Clean and replace oil.
	Packing worn or defective.	Replace packing.
Jack does not lift high enough or feels "spongy".	Oil level too high or too low.	Fill or remove excess oil.
	Worn Seals.	Return jack to local service agent.
	Air in system.	Open release valve and air vent (if fitted) and pump the handle 15 to 20 times. Close valve and re-try
	Release valve not closed.	Check and close release valve and re-try.
Jack lifts poorly.	Pump packing or valves malfunctioning.	Replace packing and/or clean valves.
	Oil is dirty.	Replace oil.
	Air in the system.	Open release valve and air vent (if fitted) and pump the handle 15 to 20 times Close valve and re-try.
Jack lifts but will not hold load.	Release valve partially open.	Check and close release valve.
	Dirt on valve seats.	Lower jack, close release valve. Place foot on front wheel and pull up lifting arm to it's full height by hand. Open the release valve to lower arm.
	Air in system.	Open release valve and air vent (if fitted) and pump the handle 15 to 20 times. Close valve and re-try.
	Faulty Seals.	Replace packing or contact local service agent.
	Packing worn or defective.	Replace packing.

Jack will not lower completely	Unit requires lubrication	Oil all external moving parts
	Piston rod bent or damaged	Replace rod or contact local service agent
	Jack frame/link system distorted due to overloading/poor positioning	Replace damaged parts or contact service agent
	Air in system	Open release valve and air vent (If fitted) and pump the handle 15 to 20 times. Close valve and re-try
	Release valve partially open	Check and fully open release valve
	Jack spring damaged	Replace spring or contact service agent
Jack does not lower at all	Release valve still closed	Check and fully open release valve



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR  
PURCHASE HERE

**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 is required for any claim.

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