



## INSTRUCTIONS FOR

# BOTTLE JACKS

MODEL NO: **SJ2.V3, SJ3.V3, SJ5.V3, SJ8.V3, SJ10.V3, SJ12.V3, SJ15.V3, SJ20.V3, SJ30.V4**

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

## 1. SAFETY

- ✓ Inspect and lubricate the jack regularly to ensure it is in good working order and condition. **DO NOT** use the jack if damaged or a fault is suspected - check Section 5 Troubleshooting. If necessary, immediately repair or replace damaged parts.
- ✓ Use recommended parts only, the use of unauthorised parts may be dangerous and will invalidate your warranty.
- ✓ Ensure the work area is clean, tidy and free from unrelated materials and has adequate lighting.
- ✓ Use jack on level and solid ground, preferably concrete. Avoid tarmac since jack may sink in.
- ✓ Park the vehicle and apply hand brake (if automatic, place in "Park" mode). Switch off the engine and place chocks under the wheels.
- ✓ Ensure a minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc. to allow for tilting during jacking.
- ✓ Ensure all persons are out of the vehicle before jacking. **DO NOT** enter vehicle whilst it is supported on the jack or axle stands.
- ✓ Check vehicle weight and recommended lifting points by referring to the vehicle owner's manual. Ensure the lifting point is not corroded.
- ✓ Check lifting point is centred and stable on jack saddle (off centre loads can slip). Position jack so as to avoid operating it from under vehicle.
- ✓ Keep all unauthorised persons away from the jack when lifting and lowering.
- ▲ **DANGER!** Use the jack for lifting only, NOT for supporting the lifted load. ALWAYS USE ADEQUATELY RATED AXLE STANDS.
- ✓ Keep hands etc. clear of moving parts during raising and lowering of the vehicle.
- ▲ **DANGER!** Roadside wheel changing is hazardous. Be extra vigilant, you may not be able to avoid jacking on tarmac. Get everyone out of vehicle. NEVER go under vehicle. Traffic may cause vehicle to rock. Use hazard warning lights. If in doubt call professional help.
- ✓ When changing a wheel, loosen wheel nuts/bolts slightly prior to jacking vehicle. Screw wheel nuts/bolts back before lowering vehicle.
- ✓ Tighten finally when vehicle is lowered fully.
- ✓ Use a qualified person to lubricate and maintain the jack. Confirm that only recommended hydraulic jack oil is used during maintenance.
- ✗ **DO NOT** exceed the rated capacity of the jack and **DO NOT** operate the jack beyond its maximum pump stroke.
- **WARNING! DO NOT** allow the vehicle to move, or try to start the engine, when the vehicle is jacked up.
- ✗ **DO NOT** jack a vehicle if it may result in the spillage of fuel, battery acid, or other dangerous substances.
- ✗ **DO NOT** place any part of your body under vehicle whilst it is supported by the jack. Wait until adequately rated axle stands have been correctly positioned.
- ✗ **DO NOT** use jack to support extensions or cradles. **DO NOT** modify jack in any way. **DO NOT** use the jack for any other purpose.
- ✗ **DO NOT** top up jack with brake fluid. Use Sealey hydraulic oil only (Part No: HJO500MLS or HJO5LS).
- ✗ **DO NOT** allow untrained persons to operate the jack.
- ✗ **DO NOT** remove any labels from the jack. If labels are damaged or unclear, replace them.
- ✗ **DO NOT** operate the jack when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- ✓ Clean and securely stow the jack with the ram in the down position. **DO NOT** leave the ram extended.
- ✓ When not in use, store the jack in a safe, dry, childproof area.
- **WARNING!** Remember, it is very dangerous to go under a vehicle supported by a jack even if additional supports are used.
- ✗ **DO NOT** go under a vehicle unless it is supported by adequately rated axle stands. NOTE: Seek advice before jacking caravans or trailers.

## 2. INTRODUCTION

Fully tested and fitted with overload valve to comply with the latest CE directives. Base and reservoir machine welded for increased strength and reduced chance of leakage. Threaded pump assembly allows for easy disassembly and maintenance. Supplied with 3pc handle. Model No's SJ12 to SJ30 fitted with carrying handle. Service kits readily available.

## 3. SPECIFICATION

In the table below the dimensions are cross-referenced to fig.1.

Model:	SJ2	SJ3	SJ5	SJ8	SJ10	SJ12	SJ15	SJ20	SJ30
Capacity tonnes	2	3	5	8	10	12	15	20	30
Minimum Height mm (A)	175	190	210	225	225	230	230	240	260
Hydraulic Lift mm (B)	116	118	127	145	145	155	150	150	180
Screw Extension mm (C)	48	48	70	80	80	80	80	60	n/a
Maximum Height mm (D)	339	359	407	450	450	465	460	450	440

In the table above the dimensions are cross-referenced to fig.1 overleaf.

## 4. OPERATION

- **WARNING!** Before lifting ensure Section 1 Safety Instructions are followed strictly.
- 4.1. Before using the jack, purge the hydraulic system, in order to eliminate any air that may have accumulated during transit, referring to fig.1 as follows:
  - a) Fit jack handle over release valve (1) and turn anti-clockwise to open valve.
  - b) Insert jack handle into the handle sleeve (2) and pump several times to ensure full internal lubrication and to bleed air from the system.
  - c) Fit jack handle back over the release valve (1) and turn clockwise to close.
- **WARNING!** Ensure you prepare vehicle and use jack according to Section 1 Safety Instructions.
- 4.2. Check that the ground upon which the jack will stand is level and solid.
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- 4.2.2. Position the jack saddle (4) under the vehicle manufacturer's recommended lifting point. Position jack so as to avoid having to operate it from under the vehicle and so that the handle can be moved up and down without hitting any part of the vehicle.
- 4.2.3. Using the screw extension as necessary, raise the saddle to the lifting point. Ensure that the saddle is centred correctly beneath the lifting point.
- 4.2.4. Pump the handle up and down using the full stroke until the required lift is achieved.
- 4.2.5. Should the jack become overloaded, a safety overload valve will open, and stop the vehicle from lifting.
- 4.2.6. Lower the vehicle onto suitable axle stands before attempting any work.
- 4.3. Lowering
  - 4.3.1. Ensure that the axle stands are removed and that there are no persons or obstacles beneath the vehicle, or in the path of its descent.
  - 4.3.2. The lowering speed is controlled by the amount the release valve (1) is opened. Turn valve anti-clockwise and lower slowly and carefully.

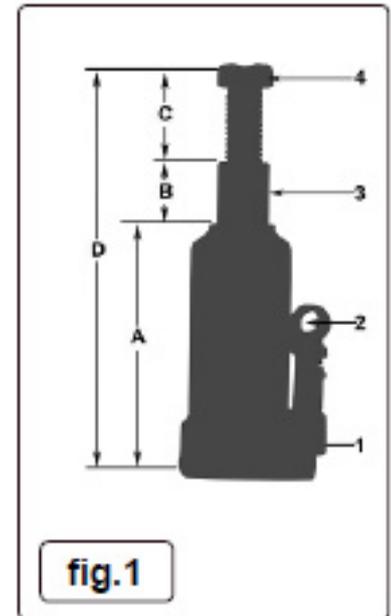


fig.1

1. Release Valve
2. Handle Sleeve
3. Ram
4. Saddle

## 5. MAINTENANCE

- **IMPORTANT:** Only fully qualified personnel should attempt maintenance or repair.
- **WARNING: DO NOT** use brake fluid, or any fluid other than Sealey hydraulic jack fluid (Part No: HJO500MLS or HJO5LS), as to do so may cause serious damage to the jack and will invalidate the warranty!
- 5.1. When the jack is not in use, the ram and piston must be in their lowest positions to minimise corrosion. Remove the handle to secure the jack.
- 5.2. Keep the jack clean and lubricate all moving parts with acid free oil on a regular basis.
- 5.3. To check oil level, lower the jack fully. Remove filler plug. The correct oil level is to the bottom of the filler opening.
- 5.4. After a year of extensive use, the oil should be replaced in order to extend the life of the jack. Drain the oil through the filler plug opening. Make sure that no dirt is allowed to enter the jack or the fresh oil.
- 5.5. To replace the oil, fill as required. Pump (unloaded jack) 5 or 6 times to expel air. Pump jack to full height and pour off excess oil before refitting plug.  
Note: Ensure waste oil is disposed of in accordance with local authority regulations.
- 5.6. Before each use check for broken, cracked, bent, or loose parts. Also check for any visible damage to welds, ram, pump, body and base.  
If any suspect item is found, remove jack from service and take the 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.
- 5.7. Check the pump piston and piston rod periodically for signs of corrosion. Clean exposed areas with a clean oiled cloth. Owing to their size and weight, hydraulic products should ideally be repaired by local service agents. We have service / repair agents in most parts of the UK. Before returning your product please call our technical helpline on 01284 757505 for advice and trouble shooting guidance. If the jack is under guarantee please contact your stockist..

## 6. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load	<ol style="list-style-type: none"> <li>1) Overloaded</li> <li>2) Oil level low</li> <li>3) Release valve not correctly closed</li> <li>4) Air in system</li> <li>5) Packing worn or defective</li> </ol>	<ol style="list-style-type: none"> <li>1) Be sure to use jack with adequate capacity.</li> <li>2) Top up oil level.</li> <li>3) Check and close release valve.</li> <li>4) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try.</li> <li>5) Return jack to authorised service agent.</li> </ol>
Jack does not lift high enough or feels "spongy"	<ol style="list-style-type: none"> <li>1) Oil level low</li> <li>2) Worn seals</li> <li>3) Air in system</li> <li>4) Release valve not closed</li> </ol>	<ol style="list-style-type: none"> <li>1) Top up oil level.</li> <li>2) Return jack to authorised service agent.</li> <li>3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try.</li> <li>4) Check and close release valve.</li> </ol>
Jack lifts but will not hold load	<ol style="list-style-type: none"> <li>1) Release valve partially open</li> <li>2) Dirt on valve seats</li> <li>3) Air in system</li> <li>4) Faulty seals</li> </ol>	<ol style="list-style-type: none"> <li>1) Check and close release valve.</li> <li>2) Lower jack, close release valve. Pull up lifting arm to full height by hand. Open the release valve to lower arm.</li> <li>3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try.</li> <li>4) Return jack to authorised service agent.</li> </ol>
Jack will not lower completely	<ol style="list-style-type: none"> <li>1) Ram damaged</li> <li>2) Air in system</li> <li>3) Release valve partially open</li> </ol>	<ol style="list-style-type: none"> <li>1) Contact authorised service agent.</li> <li>2) Lower jack, close release valve (if fitted) and pump the handle a few times. Close valve and re-try.</li> <li>3) Check and fully open release valve.</li> </ol>

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500.



**Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

**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.



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