



INSTRUCTIONS FOR:

# TELESCOPIC BOTTLE JACKS

MODEL NO: TSJ2, TSJ4, TSJ6

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.**

## 1. SAFETY

- ✓ Regularly inspect and lubricate the jack ensuring it is in good working order and condition. **DO NOT** use the jack if damaged or a fault is suspected. Check chapter 5 troubleshooting. If necessary, immediately repair or replace damaged parts.
- ✓ Use recommended parts only, the use of improper parts may be dangerous and will invalidate your warranty.
- ✓ Ensure the jacking area is clean and tidy and free from unrelated materials and there is 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 minimum distance of 0.5m between vehicle tilt & static objects such as doors, walls, etc.
- ✓ 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 jack saddle is centred and stable on lifting point, (off centre loads can slip). Position jack to avoid operating it from under vehicle.
- ▲ **DANGER!** Use the jack for lifting only, NOT for supporting the lifted load. ALWAYS USE PROPERLY RATED AXLE STANDS.
- ✓ Keep hands etc. clear of moving parts during raising and lowering of the vehicle.
- ✓ Use properly rated axle stands under the vehicle before proceeding with any task.
- ▲ **DANGER!** Roadside wheel change 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, slightly loosen wheel nuts prior to jacking vehicle. Screw wheel nuts back before lowering vehicle.
- ✓ Use a qualified person to lubricate and maintain the jack. Confirm that only recommended hydraulic jack oil is used during maintenance.
- x **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 during jacking. DO NOT start the engine when vehicle is jacked up.**
- x **DO NOT** jack a vehicle if it may result in the spillage of fuel, battery acid, or dangerous substances.
- x **DO NOT** place any part of your body under vehicle whilst supported by jack. Wait until properly rated axle stands have been correctly positioned.
- x **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.
- x **DO NOT** top up jack hydraulic system with brake fluid. Use hydraulic oil only, and **DO NOT** adjust the safety overload valve (fig 1.5).
- ✓ Ensure there are no persons or obstruction beneath the vehicle before lowering.
- ✓ Clean, and securely stow the jack properly, with the ram in the down position. **DO NOT** leave it extended. Ensure stowage area is dry.
- ☐ **WARNING! Remember, It is very dangerous to get under a vehicle supported by a jack even if additional supports are used.**
- DO NOT go under a vehicle without the support of properly rated axle stands. NOTE:** Seek advice before jacking caravans or trailers.

## 2. INTRODUCTION

Telescopic two-stage ram gives a higher maximum lift than the standard range, while keeping the same compact closed heights. Cast base with threaded components for easy disassembly. All models fitted with carrying handle.

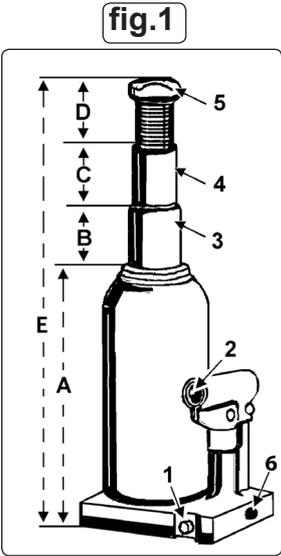
## 3. SPECIFICATION

Jack Model:	TSJ2	TSJ4	TSJ6
Capacity(Tonnes):	2	4	6
A (Minimum Height):	159mm	181mm	212mm
B (Hydraulic Lift - Stage 1):	90mm	100mm	135mm
C (Hydraulic Lift - Stage 2):	88mm	98mm	128mm
D (Screw Extension):	50mm	60mm	75mm
E (Maximum Height):	387mm	439mm	550mm

## 4. OPERATION

- ☐ **WARNING! Before lifting ensure chapter 1 safety instructions are strictly followed.**
- 4.1. Before using the jack, purge the hydraulic circuit, in order to eliminate any air from the system that may have accumulated during transit, as follows:
  - a) Insert 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) When complete place the handle back over the release valve (1) and turn clockwise to close.
- ☐ **WARNING! Ensure you prepare vehicle and use jack according to chapter 1 SAFETY INSTRUCTIONS.** Check that the supporting ground upon which the jack will stand is level and solid and not tarmac.
- 4.2. Position the jack saddle (4) under the vehicle manufacturer's recommended lifting point ensuring the saddle is correctly centred beneath the load. Ensure jack is positioned to avoid having to operate it from under the vehicle, and that the handle is free to move up and down.
- 4.3. Pump the handle up and down using full stroke range so that the saddle quickly reaches the working height.
- 4.4. Should the jack become overloaded, a safety excess pressure valve will open, and stop the vehicle from lifting.
- 4.5. Position axle stands under the vehicle before attempting any work.
- 4.6. Lowering the load
  - 4.6.1. Ensure the axle stands are removed and that there are no persons or obstacles beneath the vehicle, or in the path of its descent.
  - 4.6.2. The lowering speed is controlled by the amount you turn release valve (1). Turn anti-clockwise and lower carefully, avoiding sudden release.

1. Release Valve
2. Handle Sleeve
3. Ram 1st stage
4. Ram 2nd stage
5. Saddle
6. Overload Valve (Do Not Adjust)



## 5. OPERATION

**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 as this may cause serious damage to the jack and will invalidate the warranty!**

- 5.1. When the jack is not in use, the ram must be in the lowest position to minimise ram and piston corrosion. Remove the handle to inactivate 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, fully lower jack. Remove filler plug. The correct oil level should be to the same level as the filler opening.
- 5.4. 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 plug and valve. Make sure that no dirt is allowed to enter the oil reservoir.
- 5.5. Refill with fresh oil. Pump (unloaded jack) 5 or 6 times to expel air. Check level as in 4.3.

❑ **WARNING! DO NOT use brake fluid, only use a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL**

**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, stand, and all parts. 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.**
- 5.7. 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 01284 757500 to obtain address and phone number of your local agent. If jack is under guarantee please contact your dealer.

## 6. 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) Ram not functioning 6) Packing worn or defective	1) Be sure to use jack with adequate capacity 2) Top up oil level 3) Check and close release valve 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 low 2) Worn seals 3) Air in system 4) Release valve not closed	1) Fill 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
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 2) Lower jack, close release valve. Pull up ram to its 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 packing or contact local service agent 5) Replace packing
Jack will not lower completely	1) Unit requires lubrication 2) Ram damaged 3) Air in system 4) Release valve partially open	1) Oil all external moving parts 2) Contact 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 fully open release valve
Jack does not lower at all	1) Release valve still closed	1) Check and fully open release valve

### 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.

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



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