

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! ALWAYS USE AXLE STANDS**
- ❑ **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.
- ✓ The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ✓ Ensure the jack is in sound condition and good working order. 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.
- ✓ Locate the jack in a suitable, 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 as jack may sink in.
- ✓ 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.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✓ 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.
- ✗ It is not allowed to work under the raised load until it is secured by suitable means. Use suitable axle stands under the vehicle before proceeding with any task.
- ✓ Ensure that only hydraulic jack oil is used in the jack.
- ✓ Lifting of persons is prohibited.
- ✗ **DO NOT** operate the jack if damaged.
- ✗ **DO NOT** allow untrained persons to operate the jack.
- ✗ **DO NOT** allow to come into contact with foodstuffs.
- ✗ **DO NOT** operate on sea going ships.
- ✗ **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.
- ✗ **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only. (Sealey Part No: HJO500MLS or HJO5LS)
- ✗ **DO NOT** adjust the safety overload valve.
- ✓ When not in use store jack, fully lowered, in a safe, dry, childproof area.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person to help reduce the physical strain.
- ✓ Jacks shall be maintained and repaired in accordance with the manufacturer's instructions. Such maintenance and repair shall be carried out by qualified persons. Use a qualified person to lubricate and maintain the jack.
- ✓ 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.
- ✓ Environmental Factor Risks: Wind, rain, or debris may affect jack stability and operator control.
- ✓ Avoid using the jack in adverse weather conditions.
- ✓ Fire fighting: Refer to MSDS.

Apply handbrake

1 3 5 P
2 4 R R
 D

Use on a hard level floor

Chock wheels

1t 2t
tonne tonne
Never exceed jack capacity

Close Lower Raise

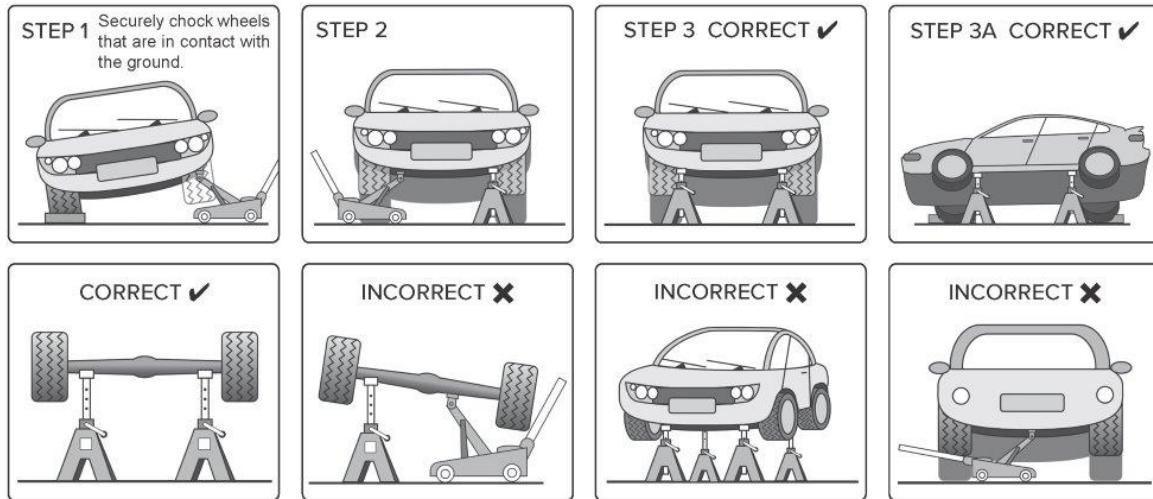
Lift & twist to lower Raise

X2

Use suitable axle stands

www.sealey.co.uk

- ▲ **DANGER!** Great care must be taken to ensure you lower the vehicle (or other load) slowly and carefully onto the centres of the crutch/saddle of the axle stands.
- ✓ No alterations or modifications shall be made to this product.
- ✓ Use on a hard, level surface, e.g. concrete. **DO NOT** use on uneven ground or tarmacadam.
- ✓ Securely chock wheels in contact with the ground. Before jacking and placing the stands, apply vehicle handbrake, and place in gear. For automatics select the 'Park' mode.
- ✓ Make sure that each stand is securely located under a strong point on the vehicle; consult the vehicle manufacturer's handbook for guidance. Ensure that stand height adjust locking mechanism is fully located before applying any load to the axle stand.
- ✓ Exercise extra care when using with a three wheeled vehicle or a trailer. Refer to vehicle manufacturer's instructions.
- ✗ **DO NOT** allow children or animals in the vicinity of a vehicle on a trolley jack or supported on axle stands.
- ✗ **DO NOT** leave a vehicle on the trolley jack or axle stands in an area that could be considered a hazard to others or property.
- ✗ Follow steps 1, 2, 3, 3A below to correctly place vehicle onto axle stands. Refer to vehicle handbook and axle stand instructions.



2. INTRODUCTION

Long reach, high capacity, portable garage jack for serious hobby or recovery vehicle use. Suitable for SUVs, cars or light commercial vehicles which require high ground clearance. Tough pump bracket and heavy-duty one-piece hydraulic unit with safety overload valve. Adjustable saddle height for use with vehicles that require a higher lifting range. Supplied with two-piece pumping handle with rubber grip.

3. SPECIFICATION

Model No:	1153SUV.V2
Applicable Standards:	EN 1494
Capacity	3 Tonne
Length:	625mm
Minimum Saddle Height:	192mm
Maximum Saddle Height:	533mm
Maximum chassis height	192mm

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 CLIP (FIG.1)**
 - **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.
 - 4.2. Seek assistance from a second person if required.
 - 4.3. Insert the lower handle section into the handle socket to aid in releasing pressure in the handle socket.
 - 4.4. Push down on the handle and hold down while unscrewing the handle retaining bolt that is securing the handle socket in the down position.
 - 4.5. Remove the clip from the bolt and the lower chassis bar.
 - 4.6. Gently and in a controlled manner slowly allow the lower handle section and handle socket to raise to their upright position.
 - 4.7. Replace the handle retaining bolt to secure the handle in the socket.
- 4.8. BEFORE USE**
 - 4.8.1. Insert the upper handle into the lower handle and fix together using supplied bolt, nut and washers.
 - 4.8.2. Check the lower handle is secure and fully engaged with the release valve.
 - 4.8.3. Tighten the handle retaining bolt.
- 4.9. HYDRAULIC SYSTEM PURGING**
 - 4.9.1. Open the release valve by turning it one full turn counter-clockwise.
 - 4.9.2. Pump the handle 20 times.

4.9.3. Close the release valve by turning it clockwise.

4.10. RAISING A VEHICLE

We recommend that efforts of raising the load shall be reduced by the use of assistance during this operation.

4.10.1. Ensure that the jack and the vehicle are on a hard, level surface.

4.10.2. Ensure that the vehicle handbrake is engaged and that the vehicle wheels are chocked.

4.10.3. Consult the vehicle manual to determine the location of jacking points.

4.10.4. Position the jack under a suitable lifting point.

4.10.5. Turn the slow release valve clockwise, to the closed position. **DO NOT** over-tighten.

4.10.6. Raise the vehicle to the desired height by pumping the handle up and down.

4.10.7. Place axle stands beneath the locations recommended by the vehicle manufacturer.

4.10.8. Turn the release valve slowly counter-clockwise to lower the vehicle on to the axle stands.

4.11. LOWERING A VEHICLE

4.11.1. Turn the release valve clockwise to the closed position.

4.11.2. Pump the handle to raise the vehicle off the axle stands.

4.11.3. Remove the axle stands from beneath the vehicle.

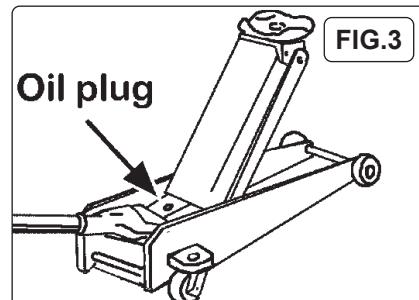
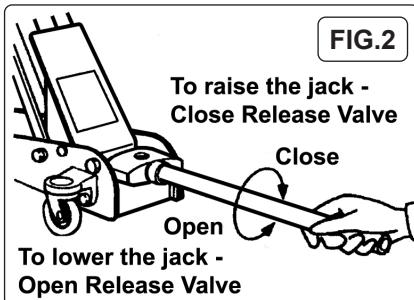
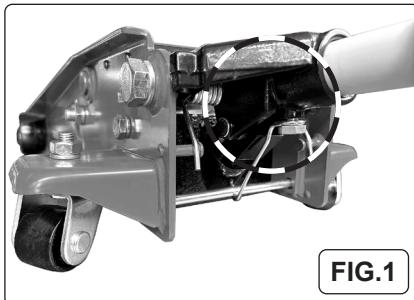
4.11.4. Turn the release valve counter-clockwise to lower the vehicle to the ground.

NOTE: This jack is fitted with a slow release mechanism for controlled descent. When not in use, leave the saddle and ram fully retracted.

4.12. IN THE EVENT OF MALFUNCTION OR BREAKDOWN:

If the load fails to lower:

Use a functioning jack to raise the vehicle high enough to reinstall the axle stands.



Remove the malfunctioning jack, then remove the axle stands.

DO NOT touch the safety overload valve (fig.3).

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 not in use, the ram should be in its lowest position to minimise corrosion. Remove the handle to deactivate jack.

5.2. Keep the jack clean and lubricate all moving parts with oil on a regular basis.

5.3. When refilling the hydraulic system, the characteristics and fluid level specified by the manufacturer must be strictly followed.

5.4. 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!

5.5. 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.

5.6. Every three months remove the locking rings on the caster wheels and lubricate the ball bearings with acid free grease.

5.7. 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.

5.8. 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.

5.9. **IN THE EVENT OF AN OIL SPILL:** Refer to MSDS. Prevent spilled oil from spreading and, in particular, prevent it from getting into drains and waterways. Use absorbing material such as earth, sand, cat litter or commercial products.

5.10. TRANSPORT AND HANDLING

When transporting and handling a 3-tonne trolley jack with axle stands, ensure the equipment is in good condition, with all locking mechanisms secure. Use proper lifting techniques or mechanical aids to prevent injury, as the jack can be heavy and awkward to maneuver. Always keep the jack stable during transport, avoiding tilting or dropping. Store axle stands safely, ensuring they cannot tip or shift unexpectedly. Follow manufacturer guidelines and wear appropriate PPE to minimize risk during handling.

5.11. STORAGE

5.11.1. When not in use, store jack, fully lowered, in a safe, dry, childproof area.

6. 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 its 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

If the above does not solve the problem contact your local Service Agent by checking www.sealey.co.uk

7. END OF LIFE

7.1. Recycle product according to national, regional and local regulations in force.



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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

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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