PROFESSIONAL LONG REACH AIR/MANUAL OPERATION TROLLEY JACK WITH ROCKET LIFT 6 TONNE

MODEL NO: **6001A**

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


Wear protective gloves

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.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✓ The user shall operate the jack only in accordance with this instruction manual. The owner is responsible for keeping all safety warnings legible and ensuring the manual is accessible to all users.
- ✓ 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.
- ✓ 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.
- ✓ 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.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ 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 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.
- ✓ 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.
- ✓ Environmental Factor Risks: Wind, rain, or debris may affect jack stability and operator control.
- ✓ Avoid using the jack in adverse weather conditions.
- ❑ **WARNING!** When using or storing the jack, ensure it is protected from excessive wind pressure. During use, operate in sheltered areas or stabilize the jack to prevent tipping or uncontrolled movement. When out of use, store the jack indoors or cover securely to prevent wind-driven debris or gusts from damaging components or affecting safety.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person.

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✓ 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.

2. INTRODUCTION

Long reach jack provides easy access to deep-set jacking points. Ideal for workshop or roadside use, takes the effort out of lifting heavy plant, tractors and commercial vehicles. Rocket lift brings the lifting arm straight into contact with the jacking point in minimal strokes. Handle mounted safety release, prevents inadvertent lowering. Includes large diameter rubber saddle for easier positioning under the jacking point. Rubber jack pad to prevent damage to the underside of the vehicle's jacking point.

3. SPECIFICATION

Model no:	**6001A**
Capacity:	6 Tonne
Length:	1390mm
Maximum Chassis Height:	189mm
Applicable Standards: EN 1494:2000/A1:2008	
Min/max air pressure:	110/120psi
Maximum Saddle Height:	650mm
Minimum Saddle Height:	150mm
Nett Weight:	85.8kg

6001A



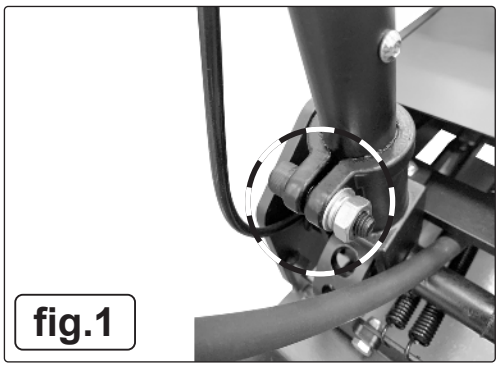
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Original Language Version

4. ASSEMBLY

4.1. REFER TO THE PARTS BREAKDOWN DRAWINGS TO IDENTIFY JACK COMPONENTS.

1. Remove the jack from the wooden crate and take off the protective carton from the handle.
2. Disengage the handle's locking lever by pulling it into position.
3. Seek assistance from a second person if necessary. Insert the handle into the handle socket to help relieve pressure in the socket. While pressing down on the handle fork, remove the retaining hook. (See Fig. 3).
4. After inserting the handle fork, ensuring the T-portion of the handle is positioned on both the left and right sides of the jack's chassis.
5. Secure the handle in the fork by tightening the screw and nut using an 8mm Allen wrench and an adjustable wrench. Fig.1
6. Remove the protective carton from the jack itself, then engage the handle's locking lever to allow the handle to lock into any of the three lock positions.
7. To activate the pump handle:
- Disengage the handle locking lever.
- Pump the handle several times to ensure there is no air trapped in the hydraulic system due to shipping and handling.
- If the lift arm raises only partially or behaves abnormally, follow these steps to bleed the air from the hydraulic system:
A. Raise the cover plate by pulling up on its forward edge to expose the Phillips head fill screw on top of the reservoir.
B. Using a Phillips head screwdriver, turn the fill screw counter clockwise two full turns so the gasket beneath the screw head is no longer sealing.
C. Pull up on the release lever while simultaneously pumping the jack through 4 to 5 full pump strokes.
D. Release the lever and continue pumping the jack until the lift arm reaches its maximum height.
E. If performance improves but the issue is not fully resolved, repeat steps B through D until all air is purged from the hydraulic system.
F. Tighten the Phillips head fill screw clockwise until secure, then rotate the cover plate back into its closed position.
8. For air/hydraulic model jacks, if necessary, replace the male air quick disconnect with one that is compatible with the fittings commonly used in your workshop.


fig.1

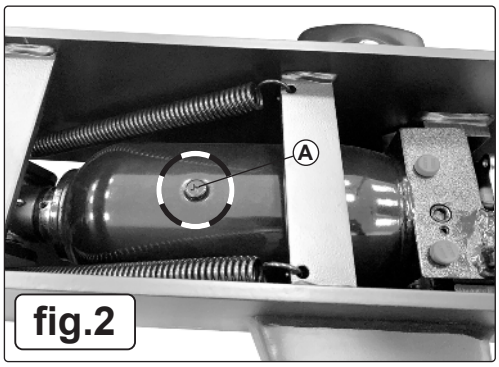


fig.2

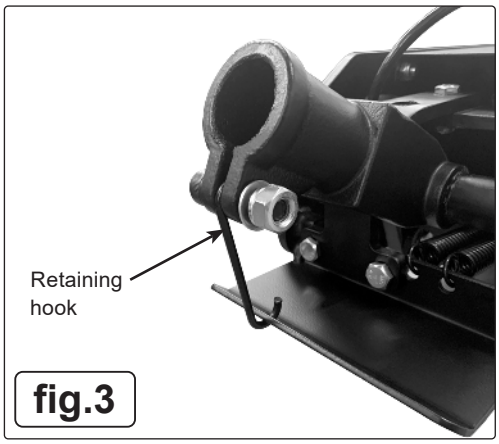


fig.3

4.2. AIR SUPPLY

You will require an air pressure of at least 110psi to get the best performance from this jack.

❑ **WARNING!** Ensure the air supply does not exceed 120psi while operating the jack. Too high an air pressure and unclean air will shorten the products life due to excessive wear, and may be dangerous causing possible damage and personal injury.

Drain the air tank daily. Water in the air line will damage the jack.
Clean the air inlet filter screen weekly.
Keep the air hose between the compressor and the air jack as short as possible, and install an air filter and oiler (fig.4).
Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 3/8" I.D. And fittings must have the same inside dimensions.

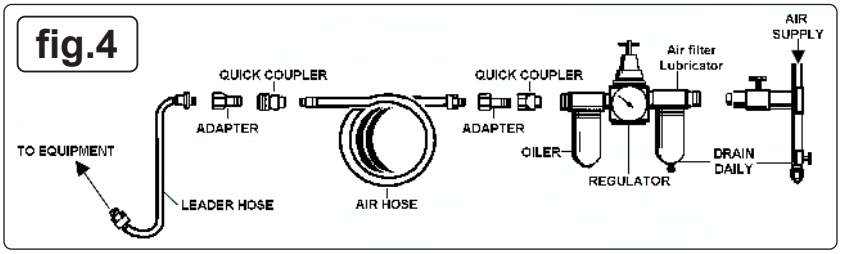


fig.4

Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.

5. OPERATION

IMPORTANT: The "FTL" (Fast To Load) feature is designed to reduce the time required to raise the jack's saddle to the vehicle's designated lift point. The height to which the jack's lift arm rises depends on the pump arc of the handle, a full incremental pump stroke will raise the lift arm higher than a partial stroke. It is essential that the jack's saddle makes proper contact with the designated lift point on the vehicle. Therefore, partial incremental pump strokes may be necessary to ensure accurate alignment and contact with the intended lift point.

5.1. USING THE JACK

❑ **WARNING!** Ensure you have read and understood the safety instructions in chapter 1 before commencing work.

5.2. LIFTING

Before lifting, ensure the vehicle's transmission is in gear and the emergency brake is engaged. Identify the vehicle's designated lift point by referring to the owner's manual or consulting the vehicle manufacturer.
Disengage the handle locking lever to manually pump the jack (fig. 5), or lock it into position to activate the air valve if using an air/hydraulic model.
Position the jack under the vehicle and pump it, either manually or using air, until the saddle is close to the designated lift point.
At this stage, it may be necessary to reposition the jack to ensure the saddle is properly centred with the vehicle's lift point.

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Once alignment is confirmed, continue operating the jack until the saddle makes contact with the load, then raise the vehicle to the desired working height. Immediately place a pair of jack stands under the appropriate support points, raising the support columns as close to the vehicle as possible. Ensure the columns are locked in position and that the vehicle is not resting on the saddle locating lugs of the jack stands. Slowly lower the jack's lift arm until the vehicle is fully supported by the jack stands, checking for stability. If the setup is unstable, raise the vehicle again, readjust the stands, and repeat the process as needed. Finally, lock the jack handle in any available position to prevent further pumping.

5.3. LOWERING

Locate the release lever on the jack.

- Pull release lever to begin lowering the jack in a controlled manner

× **DO NOT** pull the release lever quickly, as this can cause the vehicle to drop abruptly, risking damage or injury.

Continue lowering until the jack is fully retracted and the vehicle is resting securely on the ground.

Once the jack is no longer under load, remove it from underneath the vehicle and lock the handle in the upright or storage position.

6. MAINTENANCE

6.1. TRANSPORT

To move the jack, set the handle to the second position.

To transport, ensure the jack is fully retracted and secured in an upright, stable position on a pallet or within a transport crate. Use lifting equipment rated for its weight to load and unload safely. During transport, secure with straps to prevent movement, protect pneumatic connections, and avoid exposure to moisture or impact. Always follow the manufacturer's handling guidelines and local safety regulations.

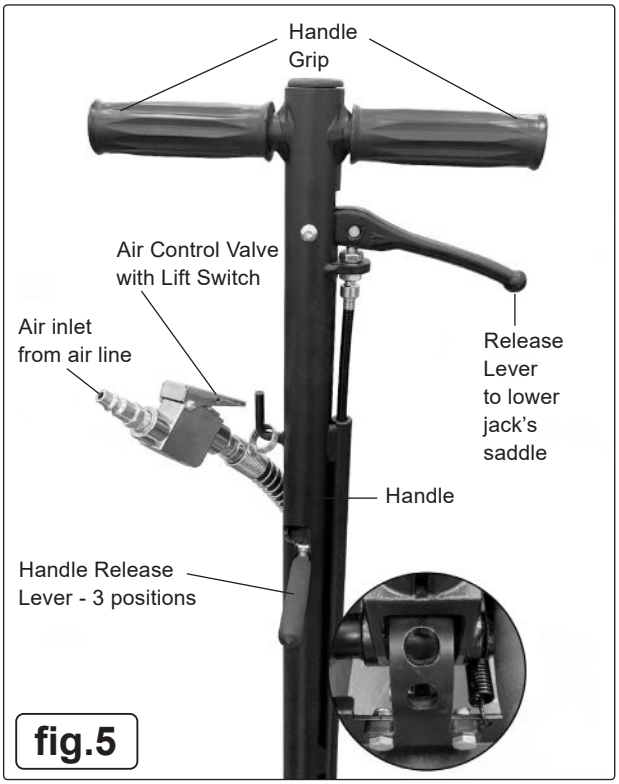


fig.5

6.2. OIL

Regularly check the oil level through the filler hole (see Fig. 2). With the piston fully retracted, remove the filler plug, the oil should be level with the bottom of the hole. Top up if necessary using a high-quality jack oil, such as Sealey Hydraulic Jack Oil. Do not use brake fluid. Filling the reservoir should not be necessary unless the jack has been reconditioned. If there is an external leak, have the jack repaired at an authorised service centre before refilling it.

Ensure no dirt enters hydraulic system when filling or removing/ replacing components.

Always dispose of waste oil safely and legally. If in doubt consult your local authority.

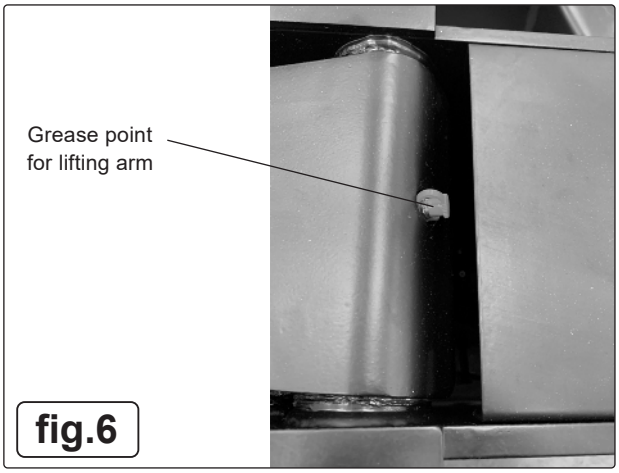


fig.6

6.3. LUBRICATION

The jack must be lubricated periodically at all external moving points, including the lift arm, guide arms, wheels, and caster wheels, to ensure proper function. Do not lubricate any external hydraulic components. See Fig.6

6.4. AIR BLEEDING

Air bleeding after replacing or adding oil is necessary and should be performed as follows: Remove the cover plate and use a Phillips head screwdriver to loosen screw (A) on the piston. Lightly pump the handle three or four times while observing the oil flowing from the screw. If no bubbles are visible, the system is ready for use. If bubbles remain, continue to pump slowly and gently until they are no longer present. Once clear, tighten the screw clockwise with the Phillips head screwdriver. Then, pump the jack until the lift arm reaches its maximum height. Pull up on the release lever to lower the lift arm, and finally, replace the cover plate (see Fig. 2).

6.5. SERVICE

Due to their size and weight, hydraulic products should be serviced by local repair agents, or qualified persons. We have service and repair agents in most parts of the UK. Before returning your product, please contact our technical helpline on 01284 757505 for advice and troubleshooting guidance. If the jack is under guarantee please contact your stockist.

6.6. STORAGE

Store the jack in a clean, dry place, out of the reach of children.

Ensure all waste generated during use, maintenance, or repair of the jack, including packaging, old parts, hydraulic fluids, and lubricants, is collected and disposed of according to local regulations. Use licensed waste carriers for hazardous materials, and recycle metal or non-hazardous components where possible. Never discharge oils or contaminants into drains or the environment.

6.7. OPERATION METHOD IN THE EVENT OF AN ACCIDENT OR BREAKDOWN

In the event of an accident or breakdown, immediately stop using the jack and secure the load safely with additional supports. Disconnect air or hydraulic supply, and evacuate personnel from the danger area. Report the incident to a supervisor, and have qualified personnel inspect and repair the equipment before resuming use. Follow all emergency and lockout procedures specified in the manufacturer's manual.

6.8. WHAT TO DO IN THE EVENT OF AN OIL SPILLAGE

In the event of an oil spillage, contain the spill immediately using absorbent materials or spill kits. Prevent the oil from entering drains or waterways. Clean the affected area thoroughly, dispose of contaminated materials in accordance with local hazardous waste regulations, and report the spill if required. Wear protective equipment and avoid direct contact with the oil.

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7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Jack will not lift load	1. Low oil level.	1. Check and top up hydraulic oil.
Jack lifts but slowly or unevenly	Air trapped in system.	Bleed the jack (refer to bleeding procedure).
Jack does not hold pressure (lowers)	Faulty seals or internal leak.	Contact service agent for inspection/repair.
Jack will not fully extend	Oil level too low.	Top up with correct hydraulic oil.
Jack will not retract fully	1. Debris in cylinder. 2. Overfilled oil.	1. Clean or service jack. 2. Drain excess oil.
Oil leaking from jack	Worn or damaged seals.	Contact service agent for repair.
Jack makes unusual noise	1. Air in system. 2. Low oil.	1. Bleed the jack. 2. Refill oil as needed.

7.1. END OF SERVICE

When the jack reaches the end of its service life, it should be disposed of responsibly and in accordance with local environmental regulations. Do not dispose of with household waste.
This product contains materials that can be recycled. Please take it to an appropriate recycling or waste disposal facility. For advice, contact your local authority or waste management service.

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.

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 36 months from purchase date, proof of which is required for any claim.

REGISTER YOUR PURCHASE HERE

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