

Thank you for purchasing a Sealey Jack. 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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS JACK 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. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.**

## 1. SAFETY INSTRUCTIONS

- ✓ Disconnect the jack from the air supply before changing parts, servicing or performing any maintenance.
- ☐ **WARNING!** Ensure correct air pressure is maintained and not exceeded.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
- ✓ Locate the jack in a suitable, well lit work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ 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. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Use a qualified person to maintain or repair the jack's hydraulic system.
- ✓ Use jack on level and solid ground, preferably concrete. *Avoid tarmac as jack may sink in.*
- ✓ Place wedges under wheels of vehicle (*but ensure that wheels of jack can freely move*).
- ✓ Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear or ("Park" if an automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc., to allow for vehicle tilting.
- ✓ Only place jack under those lifting points recommended by vehicle manufacturer. Refer to the vehicle handbook.
- ✓ Check that the jacking point is stable and centred on the jack saddle and is free from grease and oil.
- ✓ Ensure that the jacking point is visible during jacking in case of any movement.
- x **DO NOT** top up hydraulic system with brake fluid. Use Sealey hydraulic jack oil only.
- x **DO NOT** mix different types of oil.
- x **DO NOT** use brake fluid, alcohol, glycerin, detergent, motor oil or any other fluid.
- ✓ Ensure there are no passengers in the vehicle.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ 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.*
- ✓ Use suitable capacity axle stands under the vehicle before proceeding with any task.
- x **DO NOT** allow untrained persons to operate the jack.
- x **DO NOT** operate the jack if parts are missing or damaged.
- x **DO NOT** exceed the rated capacity of the jack.
- x **DO NOT** allow the vehicle to move while supported by the jack, or use the jack to move the vehicle.
- x **DO NOT** jack the vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- x **DO NOT** work under the vehicle until adequate axle stands have been correctly positioned.
- x **DO NOT** use the jack for purposes other than that for which it is intended.
- x **DO NOT** adjust the safety overload valve.
- x **DO NOT** apply your body weight to the handle during jacking. The handle is only for moving the jack to and from the jacking location.
- x **DO NOT** yank the hose from the air supply, and **DO NOT** direct air from the air hose at yourself or others.
- x **DO NOT** use the jack if you believe it to have been subjected to abnormal load or shock. Inspect and take appropriate action.
- ✓ Ensure that there are no persons or obstructions beneath the vehicle before lowering.
- ✓ When not in use disconnect jack from the air supply and store, fully lowered, in a safe, dry, childproof area.
- ☐ **WARNING!** *Turn off air supply and de-pressurise the control nozzle before removing the pump unit. Failure to comply with this instruction may damage the unit and will invalidate your warranty.*



Fig. 1



Fig. 2



Fig. 3

## 2. INTRODUCTION AND SPECIFICATIONS

- 2.1 Powerful and reliable, these single and multi-stage jacks are ideal for workshop or roadside use. At modest cost, they take the effort out of lifting heavy plant, tractors and commercial vehicles. These jacks feature dead man's controls and multi-position locking handles. Except for the YAJ30 model, shown at Fig. 1, jacks are supplied with extensions to close the gap between the jack saddle and the jacking point.
- 2.2 Models YAJ40 and YAJ60 are shown in Figs. 2 and 3 respectively.

## 2.3 SPECIFICATIONS

<b>MODEL:</b>	<b>YAJ30</b>	<b>YAJ40</b>	<b>YAJ60</b>
Max Capacity . . . . .	30 ton	40 ton	60 ton
Min Height . . . . .	280mm	189mm	165mm
Max Height (inc. Extension)/Capacity			
Stage 1 . . . . .	458/30mm/ton	424/40mm/ton	359/60mm/ton
Stage 2 . . . . .	n/a	520/20mm/ton	403/40mm/ton
Stage 3 . . . . .	n/a	n/a	475/20mm/ton
Piston Stroke . . . . .	178mm	191mm	170mm
Extension . . . . .	n/a	2x70mm	2x70mm
Length inc. Handle . . . . .	1570mm	2200mm	2250mm
Width . . . . .	315mm	309mm	309mm
Air Consumption . . . . .	.88cfm	8.8cfm	8.8cfm
Working Pressure . . . . .	85 - 200psi	85 - 200psi	85 - 200psi
Weight . . . . .	.47kg	61kg	72kg

## 3. PRE-USE CHECKS

### 3.1 Pre-use Check YAJ30

3.1.1 Prior to using the jack, check that there are no damaged, loose or missing parts. Ensure that there are no leaks in the hydraulic system.

### 3.2 Oil Level Check YAJ30

3.2.1 With the jack in the upright position and the ram completely retracted, open the release knob by turning it three turns counter-clockwise. Refer to Fig. 4.

3.2.2 Ensure that the oil is just below the level of the filler plug. Refer to Fig. 5. If necessary, replenish with Sealey hydraulic jack oil. Refer to Section 1. **DO NOT OVERFILL.**

### 3.3 Air Supply YAJ30

**WARNING!** Ensure that the air supply does not exceed 200psi while operating the jack. Too high an air pressure and/or unclean air will shorten the life of the jack, through excessive wear. Unclean air and high air pressure could also be dangerous, causing possible damage and personal injury.

3.3.1 With the release knob open, connect the air control valve to the air supply. Operate the jack by pressing the air control valve to ensure correct internal lubrication.

### 3.4 Bleeding the Hydraulic System

3.4.1 Connect the air control valve to the air supply. Remove the oil filter plug. Operate the jack by pressing the air control valve to pump the jack to its maximum height. Refer to Fig. 6.

3.4.2 Open the release knob, enabling the ram to retract automatically.

3.4.3 Replace the filler plug.

3.4.4 Keep the air hose between the compressor and the air jack as short as possible and install an air filter and oiler. Refer to Fig. 9.

3.4.5 Drain the air tank daily, as water in the air line will damage the jack.

3.4.6 Clean the air filter and screen weekly.

3.4.7 To compensate for unusually long air hoses - over 8 metres - line pressure should be increased. The minimum hose diameter should be **3/8" I.D.** and fittings must have the same inside dimensions.

3.4.8 Keep the hoses clear of heat, oil and sharp edges. Check the hoses for wear and ensure that all connections are secure.

### 3.5 Pre-use Check YAJ40/YAJ60

3.5.1 Prior to use, check that there are no damaged, loose or missing parts. Ensure that there are no leaks in the hydraulic system.

3.5.2 Ensure that the jack pneumatic lever is in the STOP position before connecting the air supply. Refer to Fig. 7.

### 3.6 Oil Level Check YAJ40/60

3.6.1 With the jack in the upright position and the ram completely retracted, open the oil filler hole by turning the sealing plug three turns counter-clockwise with a 6mm Allen key. Refer to Fig. 8.

3.6.2 Ensure that the oil is just below the level of the oil filler hole. If necessary, replenish with Sealey hydraulic jack oil. Refer to Section 1. **DO NOT OVERFILL.**

3.6.3 Retighten the sealing plug three turns clockwise with a 6mm Allen key.

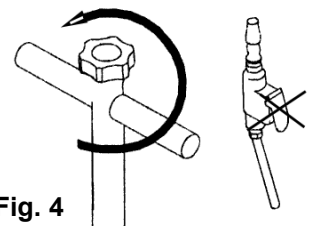


Fig. 4

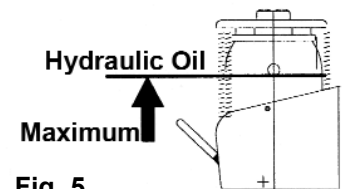


Fig. 5

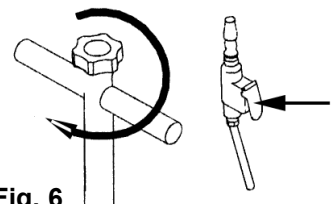


Fig. 6

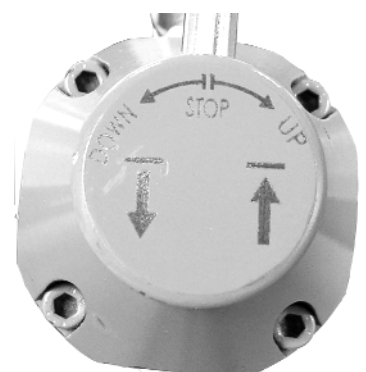


Fig. 7

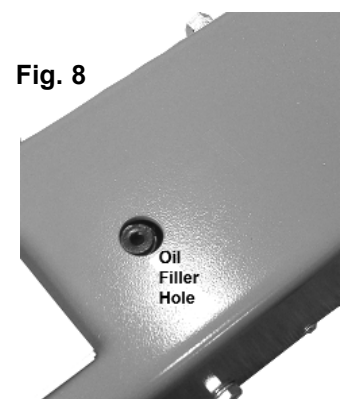


Fig. 8

### 3.7 Air Supply YAJ40/YAJ60

- ❑ **WARNING!** Ensure that the air supply does not exceed 200psi while operating the jack. Too high an air pressure and/or unclean air will shorten the life of the jack, through excessive wear. Unclean air and high air pressure could also be dangerous causing possible damage and personal injury.

- 3.7.1 Prior to use, purge the hydraulic circuit in order to eliminate any air that may have entered the system during transit.
- 3.7.2 Turn the pneumatic lever to the right to raise the ram, thus ensuring full internal lubrication and to bleed any air from the system. Refer to Fig. 7.
- 3.7.3 When complete, push the pneumatic control lever back to the left, to lower the ram.
- 3.7.4 Keep the air hose between the compressor and the air jack as short as possible. An air filter is already installed. Refer to Fig. 9. A standard air supply hook-up should also be installed. Refer to Fig. 10.
- 3.7.5 Drain the air tank daily, as water in the air line will damage the jack.
- 3.7.6 Clean the air filter and screen weekly.
- 3.7.7 To compensate for unusually long air hoses - over 8 metres - line pressure should be increased. The minimum hose diameter should be  $\frac{3}{8}$ " I.D. and fittings must have the same inside diameter.
- 3.7.8 Keep the hoses clear of heat, oil and sharp edges. Check the hoses for wear and ensure that all connections are secure.

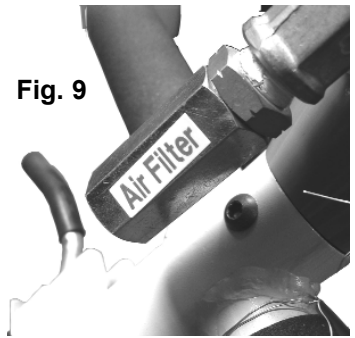


Fig. 9

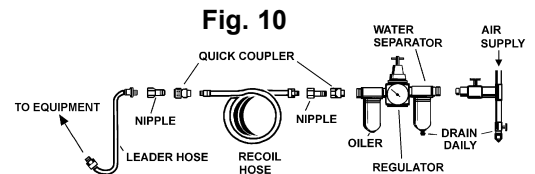


Fig. 10

## 4. OPERATION YAJ30

### 4.1 Lifting a Load

- ❑ **WARNING!** Set the vehicle parking brake and the wheel chocks prior to jacking.
  - ❑ **WARNING!** Ensure you have read and understood the safety instructions in Chapter 1 before commencing work.
  - 4.1.1 Close the release knob. Refer to Fig. 6.
  - 4.1.2 Position the jack under the vehicle manufacturer's recommended jacking point. Refer to the vehicle handbook.
  - 4.1.3 Raise the saddle to the jacking point by operating the air valve.
  - 4.1.4 Ensure that the load is centred on the jack saddle.
  - 4.1.5 Operate the jack until the load has been raised to the required height.
  - 4.1.6 Place axle stands correctly in position to support the load and ensure that Chapter 1 safety instructions are strictly applied before performing any task.
- ### 4.2 Lowering a Load
- 4.2.1 Ensure there are no personnel or obstructions beneath the vehicle before removing the axle stands and lowering the jack.
  - 4.2.2 Open the release knob by slowly turning it counterclockwise. Refer to Fig. 4.
  - 4.2.3 Carefully control the rate of descent to avoid damaging the load.
  - 4.2.4 Remove the jack from under the vehicle. If you have finished using the jack, turn the air supply off and disconnect the jack from the air line.

## 5. OPERATION YAJ40/YAJ60

### 5.1 Lifting a Load

- ❑ **WARNING!** Ensure you have read and understood the safety instructions in Chapter 1 before commencing work.
- ❑ **WARNING!** Set the vehicle parking brake and the wheel chocks prior to jacking.
- 5.1.1 Position the jack under the vehicle manufacturer's recommended jacking point. Refer to the vehicle handbook.
- 5.1.2 Raise the jack by turning the pneumatic control lever to the right. Refer to Fig. 7.
- 5.1.3 When it has reached the desired height, release the pneumatic control lever which will automatically return to the middle STOP position. This will stop further air flow and hold the jack at the height to which it has been raised.
- 5.1.4 Place axle stands correctly in position to support the load and ensure that Chapter 1 safety instructions are strictly applied before performing any task.

### 5.2 Lowering a Load

- 5.2.1 Ensure there are no personnel or obstructions beneath the vehicle before removing the axle stands and lowering the jack.
- 5.2.2 Lower the jack by turning the pneumatic control lever to the left. The jack will lower in a controlled manner.
- 5.2.3 Remove the jack from under the vehicle. If you have finished using the jack, turn the air supply off and disconnect the jack from the air line.

## 6. MAINTENANCE

- ▲ **IMPORTANT:** Only fully qualified personnel should attempt maintenance or repair.
- ❑ **WARNING!** Disconnect the jack from the air supply before performing any servicing or maintenance.
- 6.1 When the jack is not in use, the ram is to be fully retracted and the release knob/lever closed in the STOP position.
- 6.2 Keep the jack clean and apply lubricant to all pivot points at 3-monthly intervals. If the jack is used in a dusty environment, lubricant should be applied more frequently.

6.3 Check the oil level at regular intervals. Refer to Sections 3.2 and 3.4.

**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!

6.4 Check the ram periodically for signs of rust or corrosion. If rust or corrosion is present, clean the exposed area with a clean, oiled cloth.

**IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE JACK.**

**NOTE:** Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

**DO NOT** return the jack to us. Please telephone 01284 757500 to obtain the address and 'phone number of your local agent. If the jack is under guarantee, please contact your local dealer.

**De-commissioning the Jack**

Should the Jack become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.


**7. TROUBLE SHOOTING**


PROBLEM	POSSIBLE CAUSE	REMEDY
The jack cannot lift the load.	1. Release knob not tightly closed. 2. Air in hydraulic system. 3. Low oil level. 4. Power unit faulty. 5. Low pressure air supply.	1. Check to ensure the release knob is not stuck. 2. Bleed the hydraulic system. 3. Add more oil. 4. Contact Service Agent. 5. Change to a suitable air supply.
Jack lifts the load but cannot hold it.	1. Low oil level. 2. Power unit malfunctioning.	1. Add more oil. 2. Contact Service Agent.
Jack cannot completely lower.	1. Air in hydraulic system. 2. Low oil level. 3. Power unit malfunctioning.	1. Bleed the hydraulic system. 2. Add more oil. 3. Contact Service Agent.
Jack cannot completely lift a load.	1. Air in hydraulic system. 2. Low oil level. 3. Power unit malfunctioning.	1. Bleed the hydraulic system. 2. Add more oil. 3. Contact Service Agent.
Jack cannot reach maximum height.	1. Air in hydraulic system. 2. Low oil level.	1. Bleed the hydraulic system. 2. Add more oil.

**8. DECLARATION OF CONFORMITY**

**Declaration of Conformity** We, the sole importer into the UK, declare that the products listed below are in conformity with the following standards and directives.

**Air Operated Trolley Jacks**  
**Models YAJ30, YAJ40, YAJ60**  
 93/68/EEC CE Marking Directive  
 98/37/EC Machinery Directive

 The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman  18th May 2006






*For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery.*

**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 catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.

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