



INSTRUCTIONS FOR:

PREMIER BOTTLE JACK 20TONNE 30TONNE 50TONNE

MODEL NOS: **PBJ20:PBJ30:PBJ50**

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.



Read the instruction manual



Wear safety shoes



Beware crushing hands



Jack Saddle axis in line (no offset load)



Use wheel chocks



Use axle stands

1. SAFETY

- WARNING! ALWAYS USE LOAD RATED STANDS TO SUPPORT LIFTED LOADS.**
- DANGER! Use the jack for lifting and lowering only.**
- DANGER! DO NOT place any part of the body beneath the lifted load unless the load is fully supported by rated stands.**
- DANGER! DO NOT place any part of the body beneath the load during lifting or lowering.**
- DO NOT** exceed the rated capacity of the jack, load or maximum stroke.
- DO NOT** adjust the overload valve, modify or use the jack for any purpose other than for which it is designed (lifting and lowering mechanical devices).
- DO NOT** leave elevated loads unattended, unless safe from others in a garage or workshop.
- DO NOT** modify the jack.
- Ensure the jacking area is solid and level. Increase the jacking area with a solid flat plate (steel) if jacking on tarmac or grass.
- Keep others away from the work area.
- Ensure the jacking area is clutter free and that there is adequate lighting.
- WARNING! The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.**

2. INTRODUCTION

Fitted with safety overload valve and manufactured in the EU. All steel, one-piece base, reservoir and pump cylinder design gives added strength. Fully serviceable ram piston with extension screw (except PBJ50). All models supplied with 90° rotating pump and telescopic pump lever. Model No's PBJ20, PBJ30 and PBJ50 have moulded carry handles incorporating storage for the pump lever. Service kits readily available.

Other Text:

IMPORTANT SAFETY WARNING! ALWAYS USE RATED STANDS.

Please remember a jack is a lifting and lowering device and is not designed to support a load. Never get underneath a vehicle supported only by a jack; your life is at risk. We stock a comprehensive range of axle stands, for example, please see relevant catalogue section for full details. The jack is not limited to vehicle use only, with many applications in the engineering and construction industries.

3. SPECIFICATION

Model No	PBJ20	PBJ30	PBJ50
Capacity (tonne):	20	30	50
Minimum Height (mm): *[Leadscrew retracted].	234	242	260
Maximum Height (mm): *[Leadscrew extended].	459	467	400
Hydraulic Lift (mm):	150	150	140
Screw Extension (mm):	75	75	*0

*Note! No leadscrew on Model PBJ50

4. OPERATION

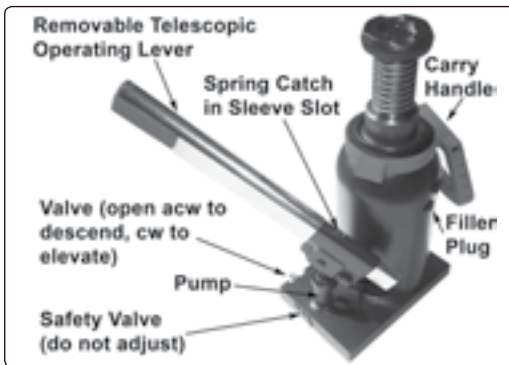
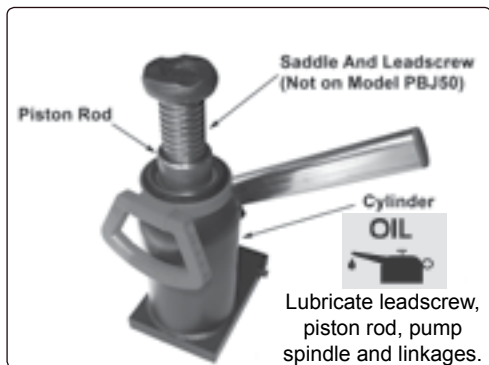
- WARNING! Before use refer to section 1. SAFETY.**

4.1. Lifting the load

Purge the hydraulic system in order to eliminate any air that may have accumulated in transit or whilst stored.

- a) Place the telescopic jack lever over the release valve tang and turn anti clockwise to open the valve.
- b) Insert the telescopic jack lever into the sleeve of the hydraulic pump.
- c) Pump several times to ensure complete evacuation of air from the system.
- d) When complete register the telescopic lever over the release valve and turn clockwise to close.

- 4.1.1. Position the jack beneath the jacking point of the load to be lifted and on to an area that is solid and level.
- 4.1.2. Depending upon the height to be lifted, adjust the extension screw to suit.
- 4.1.3. Insert the telescopic jack lever into the sleeve of the hydraulic pump until the spring catch engages. Pump the lever, full stroke range, so that the saddle quickly reaches the load to be lifted. Depress the spring catch with a screwdriver to remove.
- 4.1.4. Observe carefully the load and jack whilst elevating to the required height.
- 4.1.5. When the load is at the required height, place correctly rated stand or stands beneath the load near the jacking point.
- 4.1.6. Lower the load carefully and slowly on to the stand or stands. Register the telescopic jack lever over the release valve and turn anticlockwise to open the valve. Remove the jack if required for access.



4.2. Lowering the load

- 4.2.1. Position the jack beneath the jacking point of the load to be lifted and on to an area that is solid and level.
- 4.2.2. Depending upon the height to be lifted, adjust the extension screw to suit.
- 4.2.3. Insert the telescopic jack lever into the sleeve of the hydraulic pump until the spring catch engages. Pump the lever, full stroke range, so that the saddle quickly reaches the load to be lifted. Depress the spring catch with a screwdriver to remove.
- 4.2.4. Observe carefully the load and jack whilst elevating to the required height.
- 4.2.5. Remove the stand or stands.
- 4.2.6. Lower the load carefully and slowly on to the floor. Register the telescopic jack lever over the release valve and turn anticlockwise to open the valve. Control the speed of descent by partially opening the valve before opening fully. To lower with no load, use the lever and and push down with your foot. (See icon)



5. MAINTENANCE

IMPORTANT! Repair and maintenance of the jack to be carried out by fully qualified personnel only.

- **WARNING! DO NOT** use brake fluid, or any fluid other than Sealey hydraulic jack fluid. Use of non preferred jack oil may cause damage and invalidate the warranty.
- 5.1. When the jack is not in use, store with the ram and thread fully contracted, minimising ingress and corrosion.
- 5.2. Keep the jack clean and lubricate all moving parts with an acid free lubricating oil regularly.
- 5.3. Check the jack reservoir oil level regularly by removing the filler plug. The oil level should be at the filler port. Top up as required.
- 5.4. After a year of extensive use, the oil should be replaced with new. To drain the oil, remove the filler plug and valve. Work clean to ensure zero ingress. **Ensure the waste oil is recycled in accordance with local authority regulations.**
- 5.5. Top up with new oil with the ram fully retracted. Pump the unloaded jack five or six times to expel any air. Pump the jack to full height; allow excess oil to escape before refitting plug.
- 5.6. Visually check the jack before each use for mechanical integrity, cracked welds, worn parts etc.. If any damage is found, remove the jack from service.
- 5.7. Keep the piston rod clean and free of corrosion, clean exposed rod with a clean oiled cloth.

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 a 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) Top-up oil level. 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 lifting arm to it's 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 open release valve further.
Jack does not lower at all	1) Release valve still closed	1) Check and 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.



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