



JACKING BEAM 3 TONNE WITH ARM EXTENDERS & FLAT ROLLER SUPPORTS

MODEL NO: **SJBEX300.V2**

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 eye
protection



Wear protective
gloves



Wear safety
footwear



Wear protective
clothing

1. SAFETY

- ✓ The user shall work in accordance with the instruction handbook.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✗ It is not allowed to work under the raised load until it is secured by suitable means.
- ✓ The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ✓ Ensure the beam is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts. Use genuine parts only. The use of improper parts may be dangerous and will invalidate the warranty.
- ✓ Inspect the beam before each use. **DO NOT** use the beam if it is damaged, altered, modified, in poor condition, leaking hydraulic fluid, or unstable due to missing parts.
- ✓ Locate the beam in a suitable, well lit working area.
- ✓ Keep working area clean and tidy and free from unrelated materials.
- ✗ **DO NOT** alter or modify this beam in any way.
- ✗ **DO NOT** load the beam beyond its rated capacity.
- ✗ **DO NOT** operate the beam if damaged.
- ✗ **DO NOT** allow untrained persons to operate the beam.
- ✗ **DO NOT** use the beam for purposes other than that for which it is intended.
- ✗ **DO NOT** use the centre saddle if the work to be performed can cause the load to move.
- ✗ **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only.
- ✗ **DO NOT** use the jacking beam to lift people.
- ✓ Use the beam only for its intended purpose.
- ✓ In the event of a malfunction/breakdown, **DO NOT** use. Find suitable lifting equipment to safely lower any raised load.
- ✓ Consult the vehicle manufacturer for the correct lifting locations.
- ✓ Make sure the vehicle is in park and the handbrake is on before attempting to raise the vehicle.
- ✓ Only use the saddles provided with the jacking beam.
- ✓ Be sure setup is stable and secure before lifting. Be careful of pinch points.
- ✓ This is a lifting device only. Make sure the load is central on saddles before lifting.
- ✓ The beam can only be used to lift one end of the vehicle.
- ✓ Ensure that there are no persons or obstructions beneath the vehicle before lowering.
- ✓ Always lower load slowly and carefully.
- ✓ When not in use store beam fully lowered.
- ✓ Stay alert when working with or near the jacking beam.
- ✓ Ensure all non-essential persons keep a safe distance whilst the beam is in use.
- ✓ Use a qualified person to maintain or repair the beam's hydraulic system.
- ☐ **WARNING!** Failure to heed these precautions may result in loss of load, damage to beam and/or personal injury.
- ✓ **RESTRICTION FOR DIRECT CONTACT WITH FOODSTUFFS:** Ensure the jack is used exclusively for its intended purpose and avoid contamination by keeping it away from areas where food is processed, handled, or stored.
- ✓ **RESTRICTIONS FOR OPERATION ON SEA SHIPS:**
 1. Stability and Safety: - The movement of a ship at sea can cause instability. A jacking beam should not be used on a moving or unstable surface. - Secure the vehicle and ensure the jacking beam is on a flat, stable, and non-slip surface.
 2. Corrosion Protection: - Sea air and salt water can accelerate corrosion. Ensure the beam is well-maintained, lubricated, and protected with appropriate anti-corrosion measures.
 3. Load Securing: - Ships may experience sudden movements. Ensure the vehicle being lifted is properly secured to prevent shifting.
 4. Environmental Considerations: - Avoid using the beam in areas exposed to water spray or extreme humidity. - Keep the beam dry and clean after use.
 5. Weight Limitations: - Check the ship's weight restrictions and ensure the beam and lifted load comply with safe working limits.
 6. Personnel Safety: - Only trained personnel should operate the beam on a ship. Emergency procedures should be in place in case of equipment failure.
- ☐ **WARNING! DO NOT** use in windy conditions, as strong winds can cause instability, leading to the vehicle slipping. Always use the jack on stable, level ground and in calm weather for safety.



FIG.1

2. INTRODUCTION

Fully certified and complies with DVSA 2026 MOT requirements. Features 2-stage mechanical safety lock and telescopic finger guards to prevent accidental injury. Beam has spring loaded flat arms with roller bearings - when unloaded, these support the weight of the beam, allowing the entire unit to run smoothly along the pit or ramp, but when loaded, they firmly stabilise the unit. Optional hook arms supplied. Supplied with two pairs of aluminium support blocks. Wide lift configuration meets latest MOT recommendation for lifting on jacking point.

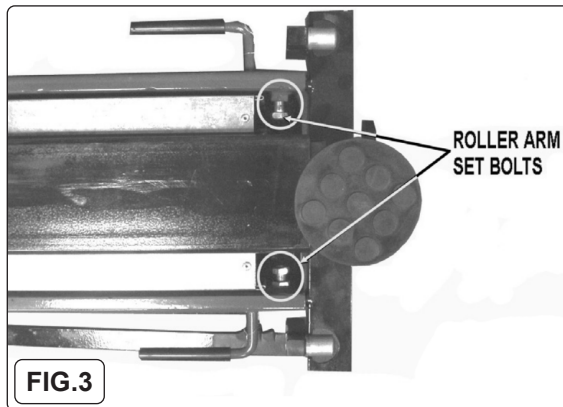
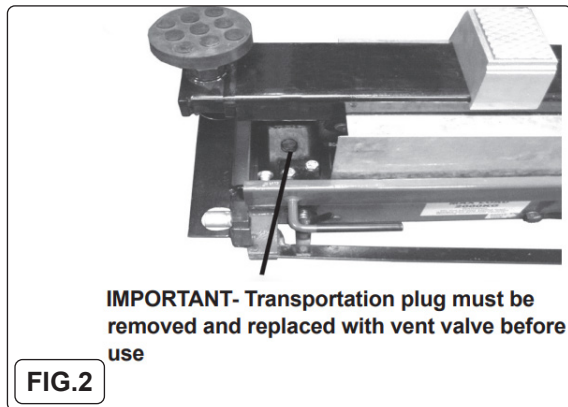
3. SPECIFICATION

Model No:SJBEX300.V2
Applicable Standards: EN 1494
Beam Lift: 95-300mm
Load Arm Reach: 950-1700mm

Capacity: 3 Tonne
Support Arm Reach: 780-1075mm
Nett Weight: 104kg

4. PREPARATION

- ❑ **WARNING!** This item is heavy. Seek assistance before attempting to locate jacking beam on ramp or inspection pit runners.



4.1. LOCATING JACKING BEAM

- ✓ Ensure the location is suitable for the jacking beam, including size and capacity.
 - ✓ Locate the beam in a suitable, well lit working area.
 - ✓ Keep working area clean and tidy and free from unrelated materials
- 4.1.1. Extend the roller arms to the correct width for ramp or pit runners (fig.4).
- 4.1.2. With the beam central on the ramp/pit and the rollers located on the runners, tighten the roller arms set bolts. (fig.3)
- 4.1.3. Adjust the spring tension on all four rollers (fig.4) so that the rollers will just support the weight of the jacking beam on its own and allow it to travel freely over the ramp/pit. Note that too much spring tension will cause the rollers to jam against the side arms. When the jacking beam is in use the weight of the vehicle will overcome the spring tension, pushing the rollers upwards and allowing the jacking beam to settle onto the two roller arms.

IMPORTANT: before use you must remove the transportation plug and fit the supplied vent valve in its place. (fig.2)

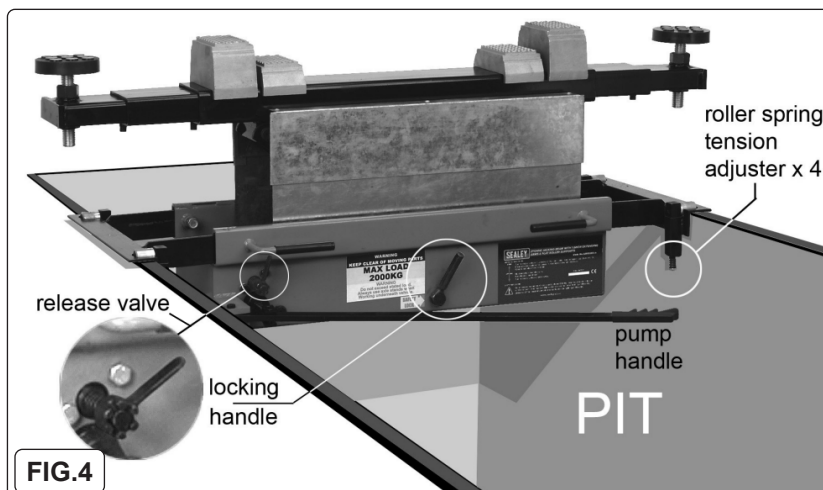
4.2. USING HOOK ARM SUPPORTS

Alternative hook arm supports are supplied for use where the runners on a ramp or pit are vertical (fig.5). Loosen the roller arm set bolts (fig.3) and withdraw the roller arms from the main frame. Insert the hook arm supports ensuring that the channel faces downwards and set them to match the width of the vertical runners. The hook arm supports should be extended equally either side of the jacking beam. Tighten all four support arm set bolts before mounting the jacking beam onto the runners.

4.3. HANDLING, TRANSPORT & STORAGE

- 4.3.1. Jacking Beams are heavy. Seek the assistance of other people when lifting from a vehicle. If lifting with the assistance of straps make sure the beam is perfectly balanced before lifting. Risk assess the lifting task. Lift from the base of the unit.
- 4.3.2. When transporting in a vehicle make sure the beam is in the lowered position and secured to prevent damage from its moving around.
- 4.3.3. When not in use, store the beam, fully lowered, in a safe, dry, childproof area, away from extreme temperatures.

5. OPERATION



5.1. JACKING BEAM CONTROLS (FIG.4)

5.1.1. Familiarise yourself with the controls of the jacking beam before operating.

NOTE: This jack is fitted with a slow release mechanism for controlled descent.

5.1.2. As a safety feature the beam has two locking positions which are controlled by the locking lever.

5.1.3. When jacking, the locking lever will engage at certain heights (approx 100mm and 240mm of lift height) to prevent the jack from lowering all the way should the release valve be accidentally moved. To lower the jack past this point you must raise the jack a small amount and then turn the locking lever clockwise whilst turning the release valve anticlockwise.

5.2. TO JACK A VEHICLE

5.2.1. With the beam in the lowered position, locate it under the vehicle at the position that you require to lift.

NOTE: Ensure you use the vehicle manufacturer's designated jacking points.

5.2.2. The majority of lift applications require the use of two saddles.

5.2.3. Evaluate which saddle pair combinations are best suited to the job.

5.2.4. The saddles at either end are adjustable, and may be raised or lowered by screwing clockwise or anticlockwise in order to give the beam clearance from the underside of the vehicle.

5.2.5. Adjust the telescopic arms to line up the saddles with the jacking points of the vehicle.

5.2.6. Turn the release valve clockwise and start to raise the jack by operating the pump handle (fig.4). Raise the beam in short increments and ensure the saddles are centred on the jacking points.

5.2.7. Once you have established the setup is stable you may proceed to lift the vehicle to the required height.

5.2.8. Make sure the locking handle is engaged. If it is not engaged you need to raise or lower the beam to the closest locking point, and check the locking handle engages.

5.2.9. To lower the vehicle follow the procedure outlined in 5.1.3 Jacking Beam Controls.

6. MAINTENANCE

NOTE: Only fully qualified personnel should attempt maintenance or repairs.

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. Jacks shall be maintained and repaired in accordance with the manufacturers 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 this standard. Check the state of the markings and that the markings remain as the initial one.

6.1. When not in use, the beam should be stored in the lowest position, to minimise corrosion.

6.2. Keep the beam clean and lubricate all moving parts on a regular basis

☐ **WARNING! DO NOT** use brake fluid, or any fluid other than a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL, as this may cause serious damage to the jack and will invalidate the warranty!

6.3. To check on fluid level and to top up, jack the beam up so that the vent valve (see fig.2) can be accessed and removed. Lower the beam fully and then check on the fluid level either directly or using a dipstick. The level should be just below the vent, top up as necessary and **DO NOT** overfill as this will affect the smooth operation of the beam. Replace the vent valve.

6.4. Before each use check for broken, cracked, bent, or loose parts, or any visible damage to pump, saddles, lifting arms, frame and all parts including nuts, bolts, pins and other fasteners. If any suspect item is found, remove beam from service and take action to remedy the problem. **DO NOT** use the beam if it is believed to have been subjected to abnormal load or shock load. Inspect and take appropriate action. Ensure normal operation before use.

6.5. Periodically check the pump piston and the ram for signs of corrosion. Clean exposed areas with a clean oiled cloth.

N.B. NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.

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 you can also contact your local stockist.

6.6. DE-COMMISSIONING

If the beam eventually becomes unserviceable, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.

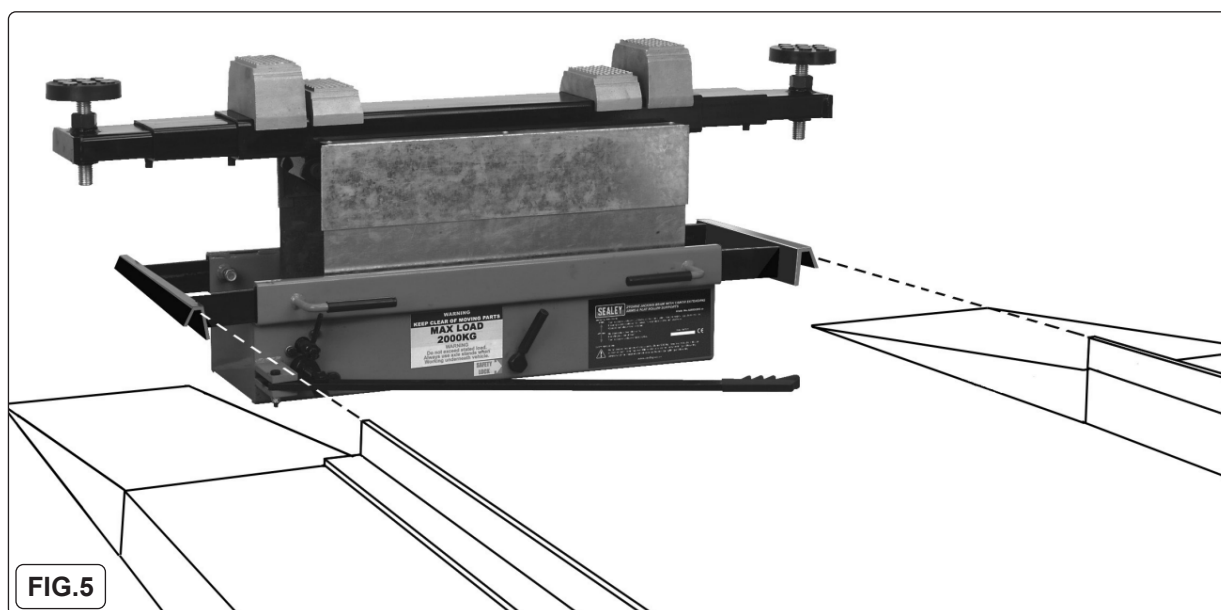
6.7. **IN THE EVENT OF AN OIL SPILL:** Refer to MSDS. Prevent spilled oil from spreading and, in particular, prevent it from getting into drains and waterways. Use absorbing material such as earth, sand, cat litter or commercial products. Dispose of waste in accordance with local regulations in force.

7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Beam will not lift the load.	Overloaded.	Be sure to use beam with adequate capacity.
	Oil Level low	Top up oil level.
	Release valve not correctly closed.	Check and close release valve.
	Air in system.	Open release valve and pump the handle a few times. Close valve and re-try.
	Piston rod not functioning.	Clean and replace oil.
	Packing worn or defective.	Replace packing.
Beam 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 pump the handle a few times. Close valve and re-try.
	Release valve not closed.	Check and close release valve.

Beams 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 pump the handle a few times. Close valve and re-try.
Beam 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 full height by hand. Open the release valve to lower arm.
	Air in system.	Open release valve and pump the handle a few times. Close valve and re-try.
	Faulty seals.	Replace packing or contact local service agent.
	Packing worn or defects.	Replace packing.
Beam will not lower completely.	Unit requires lubrication.	Oil all external moving parts.
	Piston rod bent or damaged.	Replace rod or contact local service agent.
	Beam frame/link system distorted due to overloading/poor positioning.	Replace damaged parts or contact local service agent.
	Air in system.	Open release valve and pump the handle a few times. Close valve and re-try.
	Release valve partially closed.	Check and fully open release valve.
Beam does not lower at all.	Release valve 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



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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