



2 TONNE AIR JACKING BEAM WITH 1.6M EXTENDING ARMS & FLAT ROLLER SUPPORTS

MODEL NO: **SJBEX200A**

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

- ✓ Familiarise yourself with the applications, limitations and hazards of the jacking beam.
- ✓ Maintain the jacking beam in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Inspect the jacking beam before each use.
- ✗ **DO NOT** use the jacking beam if it is damaged, altered, modified, in poor condition, leaking hydraulic fluid, or unstable due to missing components.
- ✗ **DO NOT** alter or modify the jacking beam in any way.
- ✗ **DO NOT** load the jacking beam beyond its rated capacity.
- ✗ **DO NOT** allow untrained persons to operate the jacking beam.
- ✗ **DO NOT** use the jacking 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** operate the jacking beam when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, other loose jewellery and contain long hair.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Consult the vehicle manufacturer for the correct lifting locations.
- ✓ Ensure the vehicle is in PARK (automatics) and the handbrake is on before attempting to raise the vehicle.
- ✓ Only use the saddles provided with the jacking beam.
- ✓ Ensure the set-up is stable and secure before lifting. Be aware of pinch points.
- ✓ This is a lifting device only.
- ✓ Ensure the load is central on saddles before lifting.
- ✓ The jacking 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 the load slowly and carefully.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 90-145psi.
- ✗ **DO NOT** pull the hose from the air supply.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ Disconnect the jacking beam from the air supply prior to removing jacking beam from the ramp or pit and store in a safe, dry childproof location.
- WARNING!** Place the vehicle on axle stands prior to commencing any operations.
- WARNING!** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

Jacking beam lifts load with compressed air. Fully certified and approved to comply with MOT requirements. Features 2-stage mechanical safety lock and telescopic finger guards to prevent accidental injury. Supplied with two pairs of aluminium support blocks. 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. Wide lift configuration meets MOT recommendation for lifting on jacking point.

3. SPECIFICATION

Model No:SJBEX200A
Air pressure: 90-145psi
Beam lift: 95-300mm
Capacity: 2tonne
Load arm reach: 850-1600mm
Support arm reach: 780-1075mm

4. PREPARATION

4.1. AIR SUPPLY

4.1.1. You will require an air pressure supply of 90-145psi to get the best performance from the jacking beam.

- **WARNING!** Ensure the air supply is clean and does not exceed 145psi while operating the jacking beam. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage or personal injury.

4.1.2. Drain the compressor air tank daily. Water in the line will damage the jacking beam.

4.1.3. Clean the compressor air inlet filter weekly.

4.1.4. Recommended hook-up procedure is shown at (fig 1).

4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D and fittings must have the same inside dimensions.

4.1.6. 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.

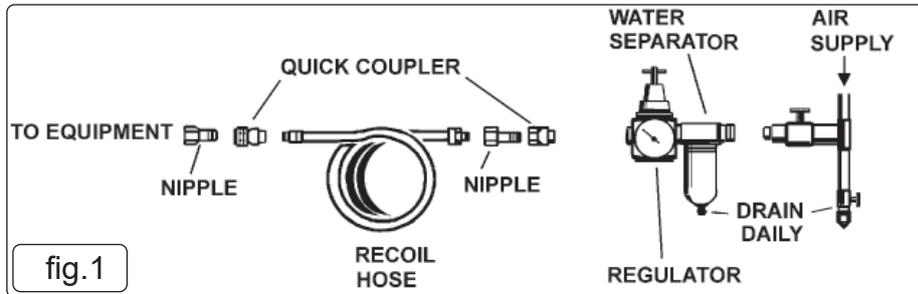


fig.1

4.2. LOCATING THE JACKING BEAM

4.2.1. Lift the jacking beam into place by using the lifting handles (fig 2).

- **WARNING!** The jacking beam is heavy. Seek assistance from another person when locating the jacking beam onto the ramp or inspection pit runners.

4.2.2. Loosen the roller arm frame fixings, on both sides (fig 2), and extend the roller arm frames (fig 2) outwards, equally each side, to the correct width to suit the ramp or pit runners. Re-tighten fixings.

4.2.3. Adjust the spring tensioner (fig 2) on all four rollers so the rollers will just support the weight of the jacking beam on it's own and allow the jacking beam to travel freely along the ramp or pit.

NOTE: DO NOT put the roller spring under too much tension, this will cause the rollers to jam against the side arm frame. 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.

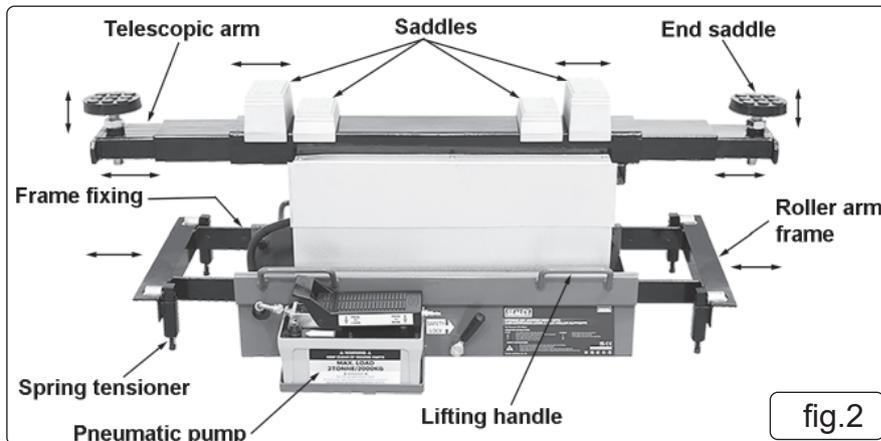


fig.2

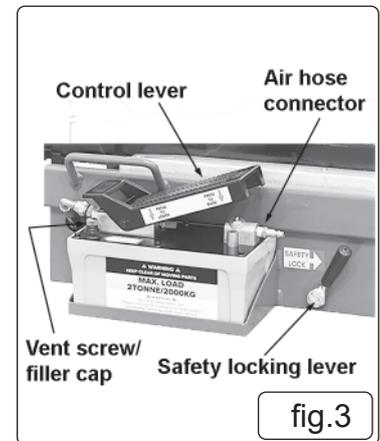


fig.3

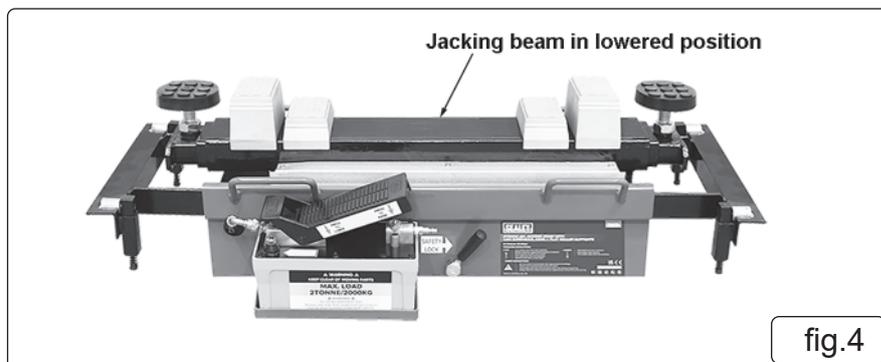
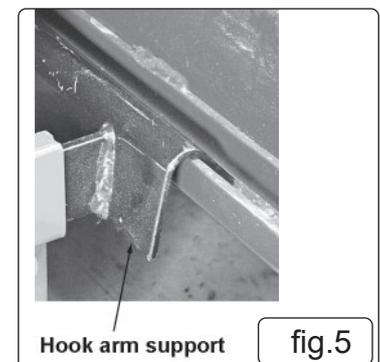


fig.4



Hook arm support

fig.5

4.3. USING THE HOOK ARM SUPPORTS

4.3.1. Alternative hook arm supports are supplied for use where the runners on the ramp or pit are of a vertical section profile (fig 5).

4.3.2. Loosen the roller arm frame fixings (fig 2), both sides, and withdraw the roller arm frames (fig 2) from the jacking beam main frame.

4.3.3. Insert the hook arm support frames (fig 5) into the jacking beam main frame equally each side, to the correct width to suit the ramp or pit runners. Re-tighten fixings.

NOTE: Ensure the hook arm supports are inserted to match the ramp or pit vertical runners (fig 5).

5. OPERATION

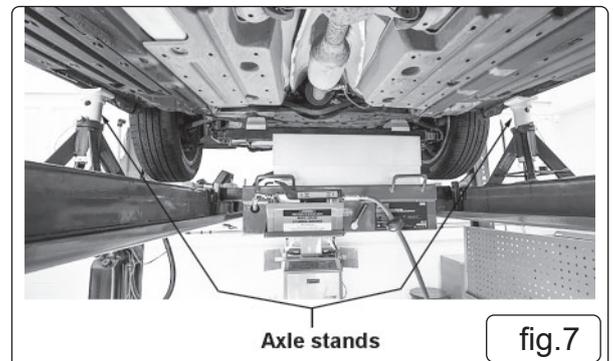
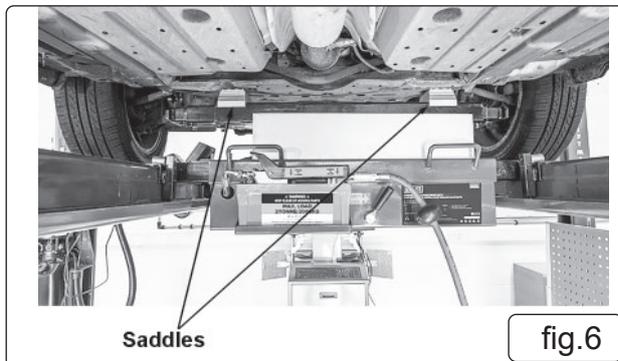
Refer to attached parts diagram.

NOTE: Ensure all Safety Instructions in Section 1 are read and understood and carried out before use and save the instructions and warnings for future reference.

- WARNING!** Before operating the pump slacken the vent screw/filler cap (fig 3) by turning it counter clockwise.
- 5.1. SAFETY LOCKING LEVER**
- 5.1.1.** As an extra safety feature the jacking beam has two locking positions, controlled by the safety locking lever (fig 3).
- 5.1.2.** When operating the jacking beam the safety locking lever will engage at two predetermined heights to prevent instant collapse, which may cause personal injury.
- 5.1.3.** To lower the jacking beam beyond these points, raise the jacking beam slightly, by pressing the right hand end of the control lever (fig 3). Turn the safety locking lever (fig 3) clockwise. Then press the left hand end of the control lever (fig 3), to fully lower the jacking beam (fig 4).
- 5.2. TO JACK A VEHICLE**
- 5.2.1.** Raise the ramp or pit inspection runners to the desired height (fig 2).
- 5.2.2.** Position the jacking beam as described in section 4.2.
- 5.2.3.** Ensure that the jacking beam is at it's lowest position (fig 4), and is located under the vehicle manufacturer's designated jacking points (fig 6).

NOTE: The majority of lift applications require the use of two saddles.
- 5.2.4.** Determine which saddle pair combinations are best suitable for the application, saddles or adjustable end saddles (fig 2).

NOTE: The end saddles can be adjusted, up or down to suit (fig 2).
- 5.2.5.** Adjust the telescopic arms (fig 2) to line up the saddles (fig 2) with the jacking points of the vehicle (fig 6).
- 5.2.6.** Ensure that the saddles are centred on the jacking points.
- 5.2.7.** Attach the airline hose to the connector (fig 3) on the pneumatic pump (fig 2).
 - WARNING!** Ensure there is sufficient slack in the air hose route from the compressor and that it does not constitute a trip hazard.
- 5.2.8.** Raise the jacking beam in short increments by pressing the right hand end of the control lever (fig 3).
- 5.2.9.** If satisfied with the stability of the set up, continue to jack the vehicle to the required height (fig 6).
- 5.2.10.** At the required height place the vehicle on axle stands (fig 7), not supplied.
 - WARNING!** Ensure the locking lever is engaged (fig 3).
- 5.2.11.** On completion of operations remove the axle stands (fig 7) and store in a safe, clean, dry location.
- 5.2.12.** To lower the jacking beam follow instruction point 5.1.3.
 - WARNING!** When raising or lowering the jacking beam ensure that the air hose does not become trapped between the ramp and the jacking beam and/or the jacking beam and the vehicle.
- 5.2.13.** When operations are complete remove the airline hose from the pump and secure in a safe, clean, dry location.
- 5.2.14.** With the assistance of another person remove the jacking beam, using the lifting handles (fig 2), from the pit or inspection runners and store in a safe, clean, dry location.
 - WARNING! DO NOT** raise or lower the ramp or pit inspection runners with the air line still attached to the jacking beam.



6. MAINTENANCE

- ✓ Replace any labels on the jacking beam should they become unreadable. This applies in particular to any warning or operation instruction labels. If replacement labels are required, contact your Sealey stockist.

NOTE: Only fully qualified personnel should attempt maintenance or repairs.
- 6.1.** Disconnect the jacking beam from the air supply before changing parts, servicing or performing any maintenance.
- 6.2.** When not in use, the beam should be stored in the lowest position, to minimise corrosion and disconnected from the air supply.
- 6.3.** 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!
- 6.4.** To check the fluid level and to top up, fully unscrew the vent screw/filler cap and remove. Place in a secure location. Check the fluid level either directly or using a dipstick. The level should be just below the vent, top up if necessary. Replace the vent screw/filler cap.
 - × **DO NOT** overfill as this will affect the smooth operation of the beam.
- 6.5.** 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.
- 6.6.** Periodically check the pump piston and the ram for signs of corrosion. Clean exposed areas with a clean oiled cloth.

6.7. HYDRAULIC HOSES

6.7.1. Ensure all hose connections are tight and not damaged.

6.7.2. Periodically check hoses for leaks, cracks, abrasions or wear.

6.7.3. Check for pinhole leaks with a piece of paper, cardboard or similar. Wear eye protection and gloves.

✖ **DO NOT USE YOUR HANDS TO LOCATE A LEAK IN A HYDRAULIC LINE.**

▲ **DANGER!** Compressed fluid, released through a leak is highly pressurised and can penetrate the skin or eyes, causing severe injury. Seek medical care immediately.

□ **WARNING!** Always relieve the hydraulic pressure in the system before detaching or attaching a hydraulic line to make repairs.

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.

6.8. 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.

7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jacking beam will not lift load.	1) Release valve not fully closed. 2) Oil level low. 3) Air supply low.	1) Close valve firmly. 2) Top-up to correct level. 3) Min. requirement 90psi
Jacking beam will not lift smoothly or to full height.	1) Oil level low. 2) Air in hydraulic system.	1) Top-up to correct level. 2) Bleed system.
Jacking beam will not lower completely.	Release valve not sufficiently open.	Slowly open valve further.



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

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