SEALEY Quality MACHINERY

INSTRUCTIONS FOR:

JACKING BEAM

MODEL: **SJBEX200**

Your new jack is produced and manufactured to a high standard of dependability and 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 PRECAUTIONS

✓ 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.*
✓ Consult the vehicle manufacturer for the correct lifting locations.
✓ 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.
✓ Use the beam only for its intended purpose.
✓ Make sure the vehicle is in park and the handbrake is on before attempting to raise the vehicle.
✓ The beam can only be used to lift one end of the vehicle.
✗ DO NOT use the centre saddle if the work to be performed can cause the load to move.
✓ This is a lifting device only. Make sure the load is centered on saddles before lifting.
✓ Be sure setup is stable and secure before lifting. Be careful of pinch points.
✓ Always lower load slowly and carefully.
✓ Only use saddles made by the manufacturer.
✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
✓ Ensure that there are no persons or obstructions beneath the vehicle before lowering.
✓ Use a qualified person to maintain or repair the jack's hydraulic system.
✗ DO NOT alter or modify this beam in any way.
✗ DO NOT use the beam beyond its rated capacity.
✗ DO NOT operate the beam if damaged.
✗ DO NOT allow untrained persons to operate the beam.
✗ DO NOT exceed the rated capacity of the beam.
✗ DO NOT use the beam for purposes other than that for which it is intended.
✗ DO NOT top up hydraulic system with brake fluid. Use hydraulic jack oil only.
✓ When not in use store beam fully lowered.

❒ ***WARNING! Failure to heed these precautions may result in loss of load, damage to beam and/or personal injury.***

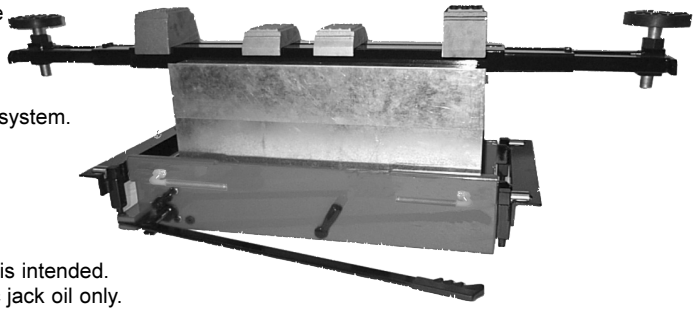
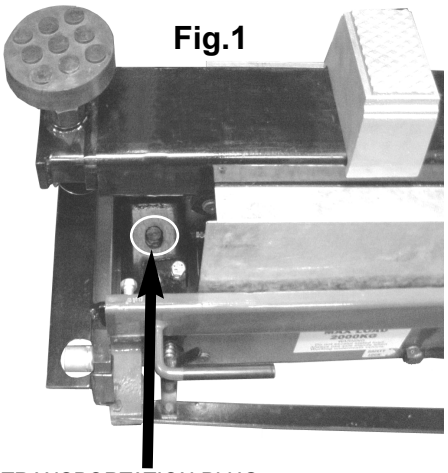


Fig.1



TRANSPORTATION PLUG
REMOVE AND REPLACE WITH BREATHER PLUG BEFORE USE.

2. SPECIFICATION

Model: SJBEX200 JACKING BEAM.
2 Tonne capacity and fully certified and approved to comply with **VOSA** requirements. Features two 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 locate the unit firmly. Wide lift configuration meets **VOSA** recommendation for lifting on jacking point.

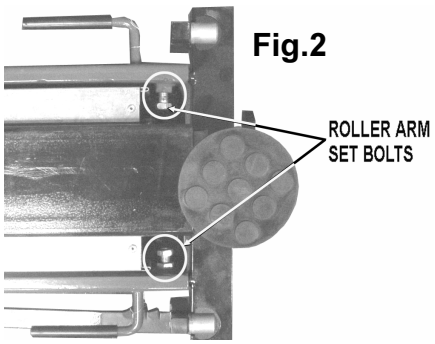
Capacity:	2.0 Tonnes
Support Arm Reach:	790 - 1075mm
Beam Lift:	70 - 245mm
Load Arm Reach:	860 - 1600mm
Net Weight:	94kg

3. PREPERATION

❒ ***WARNING! This Jacking beam weighs 94kg. Seek assistance before attempting to locate jacking beam on inspection pit runners.***

3.1. Locating jacking beam.
3.1.1. Extend the roller arms to the correct width for the pit runners.
3.1.2. With the beam central in the pit and the rollers located on the runners, tighten the roller arms set bolts. (Fig.2)
3.1.3. Before use you must remove the transportation plug and fit the supplied vent plug in its place. (Fig.1)

Fig.2



4. OPERATING INSTRUCTIONS

4.1. Jacking Beam Controls.(Fig.3)

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

Note: *The further anticlockwise you turn the release valve the faster the beam will lower. Familiarise yourself with this before operating under load.*

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

4.1.3. 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.

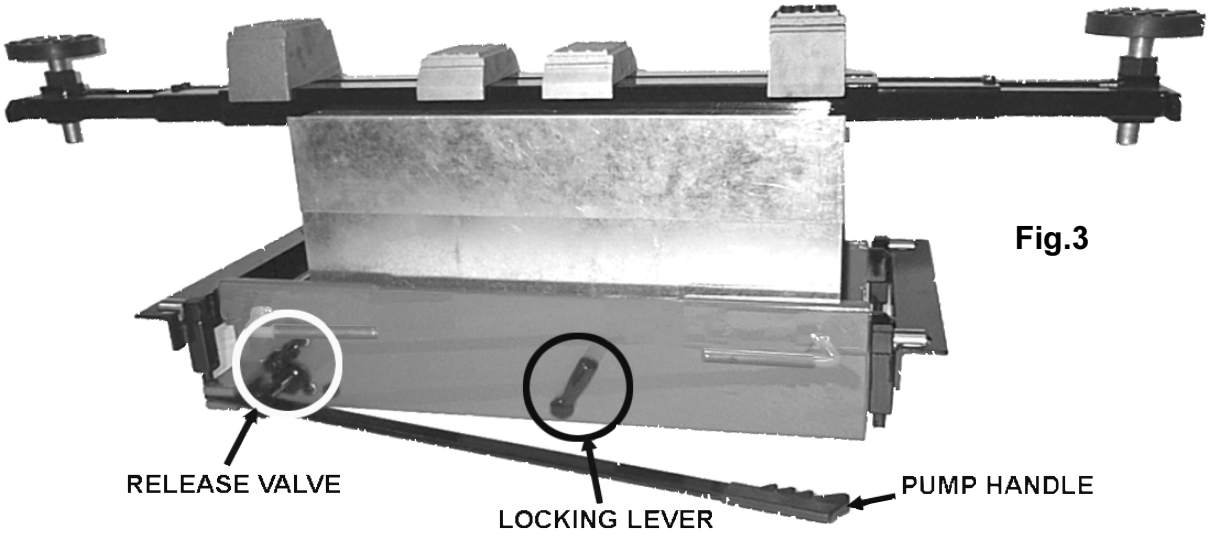


Fig.3

4.2. To Jack a vehicle.

4.2.1. 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 designated jacking points.

4.2.2. The majority of lifts applications require the use of two saddles.

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

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

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

4.3.6. Turn the release valve clockwise and start to raise the jack by operating the pump handle.(Fig.3) Raise the beam in short increments and ensure the saddles are centered on the jacking points.

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

4.3.8. Make sure the locking lever is engaged, if it is not engaged you need to raise or lower the beam to the closest locking point,and check the locking lever engages.

4.3.9. To lower the vehicle follow the procedure outlined in 4.1.3 Jacking Beam Controls.

5. MAINTENANCE

IMPORTANT: Only fully qualified personnel should attempt maintenance or repair.

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

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

❒ **WARNING: DO NOT use brake fluid, or any fluid other than hydraulic jack fluid, as this may cause serious damage to the jack and will invalidate the warranty!**

Use a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL and DO NOT overfill as this will affect the smooth operation of the beam.

5.4. 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.

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

IMPORTANT: 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 dealer.

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. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Beam will not lift the load	1) Overloaded 2) Oil level low 3) Release valve not correctly closed 4) Air in system 5) Piston rod not functioning 6) Packing worn or defective	1) Be sure to use beam with adequate capacity. 2) Top up oil level. 3) Check and close release valve. 4) Open release valve and pump the handle a few times. Close valve and re-try. 5) Clean and replace oil. 6) Replace packing.
Beam does not lift high enough or feels “spongy”	1) Oil level too high or too low 2) Worn seals 3) Air in system 4) Release valve not closed	1) Fill or remove excess oil. 2) Return jack to local service agent. 3) Open release valve and pump the handle a few times. Close valve and re-try. 4) Check and close release valve.
Beam 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 pump the handle a few times. Close valve and re-try.
Beam 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. Place foot on front wheel and pull up lifting arm to full height by hand. Open the release valve to lower arm. 3) Open release valve and pump the handle a few times. Close valve and re-try. 4) Replace packing or contact local service agent. 5) Replace packing.
Beam will not lower completely	1) Unit requires lubrication 2) Piston rod bent or damaged 3) Beam frame/link system distorted due to overloading/poor positioning 4) Air in system 5) Release valve partially closed	1) Oil all external moving parts. 2) Replace rod or contact local service agent. 3) Replace damaged parts or contact local service agent. 4) Open release valve and pump the handle a few times. Close valve and re-try. 5) Check and fully open release valve.
Beam does not lower at all	1) Release valve closed	1) Check and fully open release valve.

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

JACKING BEAM
Model: SJBEX200
98/37/EC Machinery Directive
93/68/EEC CE Marking Directive

CE

The construction file for this product is held by the manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman 26th August 2004

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

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