



Instructions for:  
**VIKING QUICKLIFT TROLLEY JACK**  
Model No: **20CTX**

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 AND CAUTIONS. USE THIS 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.**

## 1. SAFETY INSTRUCTIONS

- ✓ Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts.
- ✓ Use recommended accessories only, *the use of unapproved accessories may be dangerous and will invalidate the warranty.*
- ✓ Keep the jack clean for best and safest performance.
- ✓ Locate the jack in a suitable work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Ensure the work area has adequate lighting.
- ✓ Use the jack on level and solid ground only, preferably concrete. Avoid lifting on tarmac since jack wheels may sink in.
- ✓ Place wedges under wheels of vehicle, but ensure wheels of jack can move.
- ✓ Switch the engine off.
- ✓ Ensure the vehicle handbrake is applied and 1st gear engaged ("Park" if automatic).
- ✓ Check that there is a minimum of 0.5m between the vehicle and static objects such as doors, walls, etc. to allow for vehicle tilting when jacked up.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Ensure there is no one in the vehicle that is to be jacked up.
- ✓ Place the jack under the vehicle manufacturer's recommended lifting point (see vehicle handbook).
- ✓ Check that the lifting point is stable and centred on the jack saddle.
- ✓ Ensure that you can see the saddle and vehicle lifting point at all times during jacking.
- ✓ 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 suitably rated axle stands under the vehicle before proceeding with any task.
- ✓ Use a qualified person to check and lubricate the jack.
- ✓ Confirm that the recommended hydraulic oil is used during maintenance.
- x DO NOT operate the jack if it is damaged.
- x DO NOT allow untrained persons to operate the jack.
- x DO NOT exceed the rated capacity of the jack. Maximum capacity of the 20CTX is 20 tons.
- x DO NOT allow the vehicle to move during jacking.
- x DO NOT use the jack to move vehicle.
- x **DANGER:** DO NOT jack a vehicle which may result in the spillage of fuel, battery acid, or other dangerous substances.
- x DO NOT allow anyone inside the vehicle.
- x DO NOT work under the vehicle until axle stands have been correctly positioned.
- x DO NOT use the jack for purposes other than that for which it is intended.
- ✓ Store jack in a dry, childproof area when not in use.

## 2. ASSEMBLY

See parts list to identify the numbered items.

2. 1. Loosen the knurled screw (Item 122) at the side of the handle fork (Item 2671).
2. 2. Insert jack handle (Item 2437), tighten knurled screw until it locates in the groove in the handle.
2. 3. Check that the handle can be lifted and turned anticlockwise about 20mm.

## 3. OPERATION

- 3.1. Before using the jack, purge the hydraulic circuit, in order to eliminate any air in the system, as follows:
    - a) Open the release valve.
    - b) Pump the handle several times to ensure full internal lubrication and to bleed any air from the system.
    - c) Release the handle to close the release valve.
  - 3.2. JACKING UP TO THE VEHICLE LIFTING POINT
    - 3.2.1. Prepare the vehicle as mentioned in safety instructions, Section 1.
    - 3.2.2. Position jack saddle under the vehicle manufacturer's recommended lifting point (see vehicle handbook).
    - 3.2.3. Pump handle with full up and down strokes until the saddle reaches the vehicle lifting point. Alternatively, use the foot peddle to achieve the same quick rise to the required height.
  - 3.3. LIFTING THE LOAD
    - 3.3.1. Elevate the handle to a position of approximately 1/3 of the up stroke from ground level.
    - 3.3.2. Keep pumping until the load reaches the required height.
    - 3.3.3. Avoid repeated small pump movements at the top of the lifting cylinder.
    - 3.3.4. If the jack is overloaded the overload valve will open and stop the vehicle from being raised.
- Note:** Ensure that you can see the saddle and vehicle lifting point at all times during jacking so that you will be immediately aware of any movement of the load on the saddle and/or any distortion/failure of the lifting point.
- 3.4. LOWERING THE LOAD
    - 3.4.1. Lift and turn the handle anti-clockwise to open the release valve.
    - 3.4.2. The speed the jack lowers the load depends upon the angle of the handle. If the handle is upright the jack will lower slowly, as the handle is lowered the rate of descent will increase. Lower with caution and avoid sudden jolts.

## 4. MAINTENANCE

**Note:** Only fully qualified personnel should attempt maintenance or repair.

- 4.1. When the jack is not in use, the ram and the handle socket should be in their lowest position.  
*Remove the handle to inactivate jack.*
- 4.2. Keep the jack clean and lubricate all moving parts with oil on a regular basis.
- 4.3. To check the oil level, fully lower the jack. Remove oil plug (Item 15). The correct oil level should be approximately 10mm below the filler opening. If oil level is low, fill as required. Note: Low oil level may result in the jack not lifting to the maximum height.  
IMPORTANT: Use a good quality jack oil, such as SEALEY HYDRAULIC OIL.



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

- 4.4. Every three months remove the locking rings on the caster wheels and lubricate the ball bearings with grease.
- 4.5. After a year of extensive use, the hydraulic oil should be replaced in order to extend the life of the jack.  
Drain the oil from the filler opening. Make sure that no dirt is allowed to enter the hydraulic system. Refill with fresh hydraulic oil.
- 4.6. Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.

### De-commissioning

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

## 5. TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load	<ol style="list-style-type: none"> <li>1) Overloaded</li> <li>2) Oil level low</li> <li>3) Release valve not correctly closed</li> <li>4) Air in system</li> <li>5) Piston rod not functioning</li> <li>6) Packing worn or defective</li> </ol>	<ol style="list-style-type: none"> <li>1) Be sure to use a jack with adequate capacity.</li> <li>2) Top up oil level.</li> <li>3) Check and close release valve.</li> <li>4) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>5) Clean and replace oil.</li> <li>6) Replace packing.</li> </ol>
Jack does not lift high enough or feels "spongy"	<ol style="list-style-type: none"> <li>1) Oil level too high/ too low</li> <li>2) Worn seals</li> <li>3) Air in system</li> <li>4) Release valve not closed</li> </ol>	<ol style="list-style-type: none"> <li>1) Remove/top-up oil.</li> <li>2) Return jack to local service agent.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>4) Check and close release valve.</li> </ol>
Jack lifts poorly	<ol style="list-style-type: none"> <li>1) Pump packing or valves malfunctioning</li> <li>2) Oil is dirty</li> <li>3) Air in the system</li> </ol>	<ol style="list-style-type: none"> <li>1) Replace packing and/or clean valves.</li> <li>2) Replace oil.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try.</li> </ol>
Jack lifts but will not hold load	<ol style="list-style-type: none"> <li>1) Release valve partially open</li> <li>2) Dirt on valve seats</li> <li>3) Air in system</li> <li>4) Faulty seals</li> <li>5) Packing worn or defective</li> </ol>	<ol style="list-style-type: none"> <li>1) Check and close release valve.</li> <li>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.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try</li> <li>4) Replace packing or contact local service agent.</li> <li>5) Replace packing.</li> </ol>
Jack will not lower completely	<ol style="list-style-type: none"> <li>1) Unit requires lubrication</li> <li>2) Piston rod bent or damaged</li> <li>3) Jack frame/link system distorted due to overloading/poor positioning</li> <li>4) Air in system</li> <li>5) Release valve partially closed</li> <li>6) Jack spring damaged</li> </ol>	<ol style="list-style-type: none"> <li>1) Oil all external moving parts.</li> <li>2) Replace rod or contact local service agent.</li> <li>3) Replace damaged parts or contact local service agent.</li> <li>4) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>5) Check and fully open release valve.</li> <li>6) Replace spring or contact local service agent.</li> </ol>
Jack does not lower at all	<ol style="list-style-type: none"> <li>1) Release valve closed</li> </ol>	<ol style="list-style-type: none"> <li>1) Check and fully open release valve.</li> </ol>

## 6. DECLARATION OF CONFORMITY

### 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.

**Viking Quicklift Trolley Jack**  
**Model No: 20CTX**

93/68/EEC CE Marking Directive  
98/37/EC Machinery Directive



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

Date 31st May 2001

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.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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