GUARANTEE.
This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase. This guarantee does not affect your statutory rights.

HYDRAULIC TROLLEY JACK

Thank you for purchasing this Clarke Trolley Jack.
Before attempting to use the unit, please read this instruction booklet thoroughly, and follow all directions carefully, paying particular attention to the safety precautions. By doing so, you will ensure the safe operation of the unit, and the safety of yourself and others around you. You can then look forward to long and reliable service from your CLARKE Trolley Jack.

SAFETY PRECAUTIONS

1. Turn handle ONE full turn anticlockwise and pump handle EIGHT full strokes.
2. Turn handle clockwise FULLY, and pump handle to maximum height... then continue to pump 5 or 6 times to remove trapped air.
3. Turn handle anticlockwise and allow arm to lower and ram to fully retract.
4. Turn handle clockwise FULLY, and pump handle to maximum height to test pump action.

NOTE: It may be necessary to perform the above action more than once to ensure that air is totally evacuated.

FAULT FINDING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>PROBABLE CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack will not lift to full height</td>
<td>Oil level low</td>
<td>Top up oil</td>
</tr>
<tr>
<td>Jack will not hold the load</td>
<td>1 Release valve not closing 2 Pump valves not seating 3 Air in ram</td>
<td>1 Turn handle fully clockwise 2 Consult your CLARKE dealer 3 Purge air (see below)</td>
</tr>
<tr>
<td>Arm will not lower</td>
<td>1 Broken return Spring 2 Lift arm linkage bent or binding 3 Cylinder ram binding 4 Parts Worn</td>
<td>1 Replace (See your dealer) 2 Consult your CLARKE dealer 3 Consult your CLARKE dealer 4 Consult your CLARKE dealer</td>
</tr>
<tr>
<td>Jack feels spongy when lifting</td>
<td>Air in system</td>
<td>Purge air (see System Air Purge)</td>
</tr>
</tbody>
</table>

SYSTEM AIR PURGE

1. Turn handle ONE full turn anticlockwise and pump handle EIGHT full strokes.
2. Turn handle clockwise FULLY, and pump handle to maximum height... then continue to pump 5 or 6 times to remove trapped air.
3. Turn handle anticlockwise and allow arm to lower and ram to fully retract.
4. Turn handle clockwise FULLY, and pump handle to maximum height to test pump action.

NOTE: It may be necessary to perform the above action more than once to ensure that air is totally evacuated.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>CTJ2000G</th>
<th>CTJ2QLG</th>
<th>CTJ2250LS</th>
<th>CTJ3QLG</th>
<th>CTJ3000LS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum load (tonnes)</td>
<td>2</td>
<td>2</td>
<td>2.25</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Min. Saddle Height (mm)</td>
<td>120</td>
<td>150</td>
<td>110</td>
<td>150</td>
<td>115</td>
</tr>
<tr>
<td>Maximum Height (mm)</td>
<td>190</td>
<td>500</td>
<td>525</td>
<td>500</td>
<td>525</td>
</tr>
<tr>
<td>Overall Length (mm)</td>
<td>645</td>
<td>633</td>
<td>727</td>
<td>685</td>
<td>727</td>
</tr>
<tr>
<td>Overall Width (mm)</td>
<td>345</td>
<td>345</td>
<td>395</td>
<td>350</td>
<td>395</td>
</tr>
<tr>
<td>Weight (kg/lbs)</td>
<td>38.5/85</td>
<td>37/81</td>
<td>45.5/100</td>
<td>42/92.5</td>
<td>48/108</td>
</tr>
<tr>
<td>Part No.</td>
<td>1600650</td>
<td>7621015</td>
<td>7621015</td>
<td>7621005</td>
<td>7621020</td>
</tr>
</tbody>
</table>

SPARE PARTS

The following user serviceable parts are available from your Clarke dealer, or Clarke International Parts Dept.
1. Saddle
2. Castor Assembly
3. Front Wheel Assembly
4. Valve Operating Lever

For Spare Parts and Servicing, please contact your nearest dealer or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400
PARTS & SERVICE FAX: 020 8558 3622
SAFETY PRECAUTIONS

1. **ALWAYS** inspect the jack before use. Ensure that all parts are in good condition and operating smoothly. If in doubt **do not use**. Have the parts replaced or consult your CLARKE dealer.

2. **ALWAYS** ensure the jack is on a firm solid base, and that there is no likelihood of it slipping under load.

3. **ALWAYS** ensure the load is taken by the **FULL** saddle and that the point of lift on the load, is of sufficient strength to support the full load adequately.

4. **ALWAYS** ensure that the load is stabilised or supported in such a way that it will not shift during lifting or lowering operations.

5. **ALWAYS** use supports to stabilise the load once lifted. **NEVER** work on or under a load unless it is fully and adequately supported. **NEVER** rely upon the jack to hold the load in position.

6. **ALWAYS** ensure that all personnel are well clear of a load being raised, or lowered.

7. **NEVER** push a load off the jack.

8. **NEVER** exceed the rated load for the jack (see ‘Specifications’).

9. **NEVER** use if an oil leak is apparent...Consult your CLARKE dealer.

10. **NEVER** attempt to disassemble the jack. Consult your CLARKE dealer if problems arise

11. **NEVER** move a load using the jack as a dolly. This jack is for lifting ONLY.

**ASSEMBLY**

**IMPORTANT! BEFORE assembly, it is important to remove the plastic retainer, which, for transit purposes, holds down the main operating arm (see Fig.1). To do this, press and hold down the arm, against spring pressure, pull out the retainer, and gently allow the arm to rise.**

Unscrew the bolt, at the rear of the jack handle housing, sufficient for the handle to be inserted.

Ensure the square drive on the end of the handle, engages fully with the square spigot within the housing, before retightening the securing bolt.

**OPERATION**

**RAISING A LOAD**

Ensure the load is chocked and stable and on firm level ground, before manoeuvring the jack so that the saddle is directly beneath the lifting point. Consult the vehicle handbook to determine the correct lifting points.

Turn the knob, at the top of the handle, fully clockwise and pump the handle to raise the saddle. As it meets the lifting point, check to ensure it is in full contact and there is no obstacle to prevent a clean lift, before proceeding to pump the handle further to raise the load. **UNDER NO CIRCUMSTANCES** attempt to move the load whilst supported by the jack.

**NOTE:** Models CTJ2QLG and CTJ3QLG are provided with a quick lift pedal. This may be used to bring the saddle to the lifting point in one quick operation, but **NOT TO RAISE THE LOAD**.

**LOWERING A LOAD**

First jack up the load in order to clear the axle stands or supports, then, when the supports have been removed, check to ensure that there are no obstacles that could prevent the load from lowering without hindrance, and that all personnel are well away from the site. **VERY GENTLY** turn the Knob anticlockwise and the load will lower. **DO NOT** jerk the handle...lower the load under complete control...**DO NOT** allow it to lower too quickly as this could damage the pump seals.

**MAINTENANCE**

**Daily**

Inspect for distortion of components, and security of all nuts and bolts. If in doubt, do not use. Have damaged parts repaired or replaced. If necessary, consult your CLARKE dealer.

**Monthly**

1. Oil all joints, linkages, the pump roller and front wheel hubs.
2. With a grease gun, grease the lift arm pivot at the grease nipple provided.
3. Apply grease to the caster bearings.

**NOTE:** Lubrication and cleanliness is important as dirt, rust etc can cause a jerky action which could damage internal components.

**Every 6 months**

Carry out a thorough inspection for serviceability of components and check for oil leaks. Only a very slight oil seepage is permissible. If a leak is evident, take the jack out of service, and consult your CLARKE dealer.

**Annually**

Check the ram oil level as follows:

1. Ensure the ram is fully retracted by turning the Handle fully anticlockwise.
2. Remove the cover plate, where fitted, located at the base of the handle housing, to gain access the ram, then remove the ram filler plug.
3. Lift the jack so that it is vertical, resting on its front wheels and check the oil level. It should be level with the bottom of the oil filler hole.

   If necessary, top up with CLARKE HYDRAULIC OIL ONLY. (See your CLARKE dealer. Quote Part No. 3050830 for 1 litre bottle 3050835 for 5 litres.)

4. Replace filler plug and purge system of air.....see below.

**Storage**

Store in a dry place where it cannot be attacked by the elements with the ram in its fully retracted position. If stored for long periods, inspect at least twice a year, clean and re-oil. For servicing, contact your CLARKE dealer, or CLARKE International Service Dep’t.