Clarke®

STRONG-ARM

2¼ TONNE TROLLEY JACK

Model No: CTJ2250LP

PART NO: 7623070

OPERATING & MAINTENANCE INSTRUCTIONS

GC01/12

INTRODUCTION

Thank you for purchasing this CLARKE Trolley Jack.

Before attempting to use this product, please read this manual throughout and follow the instructions carefully. Thoroughly familiarise yourself with this product & its operation in order to ensure the safety of yourself and others around you. In doing so, you can look forward to the product giving you long and satisfactory service.

GUARANTEE

This 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 is invalid if the product is found to have been abused or tampered with in any way, or not used for it's intended purpose.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

SPECIFICATION

Feature	Specification
Part Number	7623070
Weight	13.7 kg
Dimensions (L x W x H) without handle	560 x 225 x 150 mm
Rated Load	2.25 tonne
Min Height of Saddle	80 mm
Max Height of Saddle	380 mm
Oil Capacity	115 ml
No of Strokes from Min to Max Height	36
Distance Raised per Stroke	7.9 mm (average)

Please note that details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

GENERAL SAFETY PRECAUTIONS

GENERAL

1. ALWAYS read and ensure you fully understand the following precautions and the hazards associated with this product. Do not allow anyone who has not read these instructions to use the jack.
2. Only use this jack for its intended purpose.
3. NEVER carry out any modifications to this product. If experiencing difficulty of any kind consult your local dealer.

WORK AREA

1. NEVER use the jack on sloping surfaces, only on level ground. The jack may move away slightly as soon as it lifts the tyre from the ground.
2. DO NOT start the vehicle engine with the jack in use.
3. This jack is for lifting only. DO NOT move a load using the jack as a dolly.
4. 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.
5. Never allow children or bystanders in the area while the jack is in use.
6. NEVER work underneath a vehicle supported only by this product. If working under a vehicle, always use axle stands designed for the purpose.
7. Ensure the jack is on a firm solid base and that there is no likelihood of it slipping when under load.
8. Ensure that all personnel are well clear of a load being raised or lowered.

SERVICING & REPAIRS

1. Check the jack for damage before use and do not use if damaged. If in doubt, DO NOT use. Consult your local dealer.
2. ALWAYS use spare parts supplied by Clarke International. Using non-standard parts could be extremely dangerous.
3. Ensure the jack is properly maintained at all times and that no damage is allowed to weaken any part of it. Do not use if an oil leak is apparent.
4. When necessary, have your jack serviced or repaired by a qualified technician using identical replacement parts. This will ensure that the safety of the jack is maintained.
5. NEVER exceed the rated load or use the jack if it has been subjected to excess load (over 2.25 tonne). The jack should be removed from service immediately and fully inspected by qualified personnel and passed as serviceable before further use.

Please keep these instructions in a safe place for future reference.

OPERATION

Before use, visually inspect the jack for oil leaks or any other sign of damage. Should any be apparent, have the jack inspected and repaired by a qualified technician before use.

- The CTJ2250LP trolley jack is equipped with an operating handle which can also be used as a wheel brace, in conjunction with the double-ended sockets carried in the socket holder. The handle should always be stored in the clips on the side of the jack when not in use.

WARNING! NEVER WORK ON THE VEHICLE WHEN SUPPORTED ONLY BY A JACK. THIS IS A HIGHLY DANGEROUS PRACTICE. THE VEHICLE MUST BE SUPPORTED ON AXLE STANDS, OR SUITABLE SUPPORTS, BENEATH THE JACKING/SUPPORT POINTS RECOMMENDED BY THE VEHICLE MANUFACTURER. THERE SHOULD BE NO LOAD ON THE JACK.

1. Ensure the vehicle to be raised is stable and on firm level ground with the supporting wheels chocked.
2. Position the jack so that the saddle is directly beneath the lifting point.
- Consult the vehicle handbook to determine suitable lifting points.
3. Engage the handle with the control valve shown in Fig 1and turn it clockwise to close the valve.
4. Insert the handle into the handle sleeve and pump the handle to raise the saddle until it reaches the vehicle lifting point.

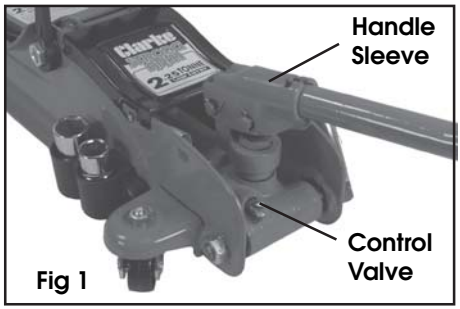


Fig 1

NOTE: The control valve is able to rotate through 360 deg as shown in Fig 2, & can therefore be operated from any position.

5. Take care that there are no obstructions to prevent a clean lift. Keep all personnel at a safe distance before continuing to pump the handle to raise the vehicle.

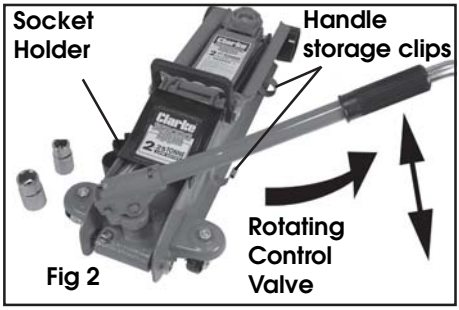


Fig 2

NOTE: The jack may move slightly during operation. It is important therefore, that the floor is clean and completely free from debris.

6. Position axle stands directly beneath suitable supporting points below the vehicle, before engaging the handle with the control valve and very gently twisting the handle anticlockwise.

- This will open the control valve to lower the load onto the stands.

7. To stop it lowering, turn the handle clockwise again. Always avoid a rapid descent by turning the handle slowly.
8. Carefully lower the vehicle onto the axle stand, checking constantly, preferably with an assistant, that the vehicles supporting point rests snugly and cleanly on the stand, and that the supporting stand is stable before all the weight is taken.

NOTE: Ensure this operation is carried out under complete control. DO NOT allow the load to drop suddenly as this could damage internal parts.

9. Completely remove the jack from the vehicle.

MAINTENANCE

PURGING AIR FROM THE SYSTEM

If air bubbles become trapped inside the hydraulic system, the efficiency of the jack will be reduced. Any air can be purged from the system as follows.

1. Turn the control valve counter-clockwise and remove the filler plug.
2. Pump the handle several times to purge air from the system.
3. Replace the filler plug, then turn the control valve clockwise and test the jack. If efficiency is still low, check the oil level as below.

CHECKING THE OIL LEVEL

If the jack has been stored for long periods, check for oil leaks before use. If necessary, check the oil level as follows:

1. Ensure the jack is fully lowered by using the handle to turn the control valve fully anticlockwise.
2. Lift up the cover plate and remove the oil filler plug on the top of the ram assembly. A large cross headed screwdriver is required.

- The oil should be almost level with the bottom of the oil filler hole.
- Oil can be topped up using Clarke Hydraulic Oil (p/no 3050830 for 1 litre).

OIL REPLACEMENT

1. With the jack lowered, remove the filler plug. Tilt the jack onto its side and drain the old oil into a container.
2. Return the jack to upright and refill with hydraulic oil up to the lower rim of the filler hole.

3. Purge any air from the system and replace the filler plug.
4. Dispose of old oil appropriately and be sure to wipe up any spillage.

GENERAL CARE

1. Periodically lubricate the hinges, front wheels & rear castors with light oil.
2. Store in a dry location with the arm in its lowest position.
3. In the event of damage or broken components, replacements are available from Clarke Parts & Service.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Jack will not raise to the full height.	Low oil level.	Check for leakage and top up if required via the oil plug.
	Air in system.	Remove filler plug and pump handle to purge air from system as described on page 5.
	O-rings worn.	Return to your Clarke dealer for overhaul.
Jack will not hold the load.	Release valve not tightly closed.	Check valve is closing fully.
	Release valve not seating.	Return to your Clarke dealer for overhaul.
	Air in system.	Remove filler plug and pump handle to purge air from system as described on page 5.
Jack does not lower when valve opened.	Cylinder over-filled with oil.	Drain off excessive oil.
	Piston or pivot arm bent or binding.	Return to your Clarke dealer for repair.
	Disconnected or broken return spring.	Return to your Clarke dealer for repair.
	Hinged components not moving freely.	Lubricate hinged joints.
Jack feels spongy when lifting.	Air trapped in system.	Remove filler plug and pump handle to purge air from system as described on page 5.

ENVIRONMENTAL PROTECTION

One of the most damaging sources of environmental pollution is oil products. Never throw away used hydraulic oil with domestic refuse or flush it down a sink or drain. Collect all the hydraulic oil in a leak proof container and take it to your local waste disposal site.

DECLARATION OF CONFORMITY

CE

Clarke®
INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC Machinery Directive.

The following standards have been applied to the product(s):

BS EN 1494/A1:2008,

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2009

Product Description:	2 .25 Tonne Trolley Jack with 17, 19, 21,23mm Sockets.
Model number(s):	CTJ2250
Serial / batch Number:	N/A
Date of Issue:	28/10/2011

Signed:

J.A. Clarke
Director

10-0566 Jack D O C (rv1)

Page 1 of 1

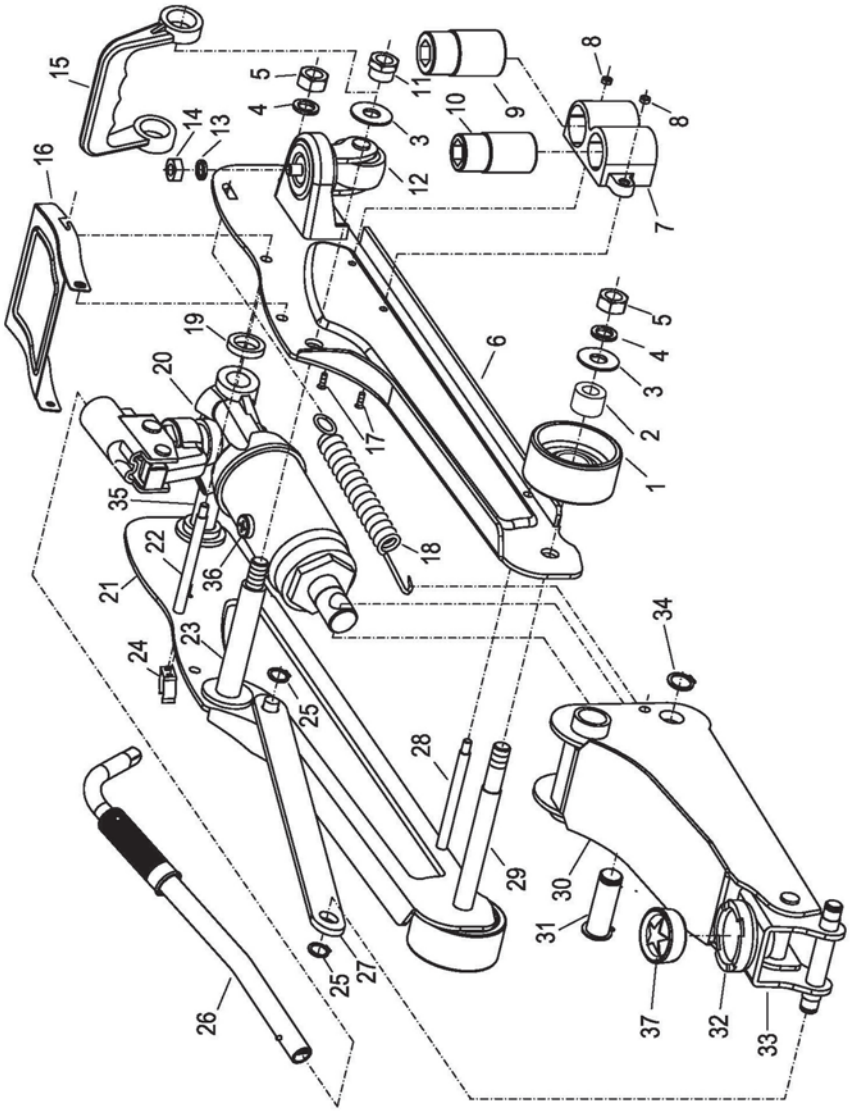
Parts & Service: 020 8988 7400/E-mail:Parts@clarkeinternational.com or Service@clarkeinternational.com

COMPONENT PARTS

No	Parts List	Part No
1	Front Wheel	TACTJ2250LP01
2	Bush	TACTJ2250LP02
3	Flat Washer	TACTJ2250LP03
4	Spring Washer	TACTJ2250LP04
5	Nut M12	TACTJ2250LP05
6	Left Frame	TACTJ2250LP06
7	Socket Holder	TACTJ2250LP07
8	Nut M5	TACTJ2250LP08
9	Socket 17/19 mm	TACTJ2250LP09
10	Socket 21/23 mm	TACTJ2250LP10
11	Nut	TACTJ2250LP11
12	Rear Caster Assy	TACTJ2250LP12
13	Spring Washer	TACTJ2250LP13
14	Nut M8	TACTJ2250LP14
15	Carrying Handle	TACTJ2250LP15
16	Cover	TACTJ225016LP
17	Bolt M5x15	TACTJ2250LP17
18	Retaining Spring	TACTJ2250LP18
19	Bush	TACTJ2250LP19
20	Ram Assembly	TACTJ2250LP20
21	Right Frame	TACTJ2250LP21
22	Tie Rod	TACTJ2250LP22
23	Lifting Arm Axle	TACTJ2250LP23
24	Retaining Clip	TACTJ2250LP24
25	Circlip No12	TACTJ2250LP25
26	Handle/Brace	TACTJ2250LP26

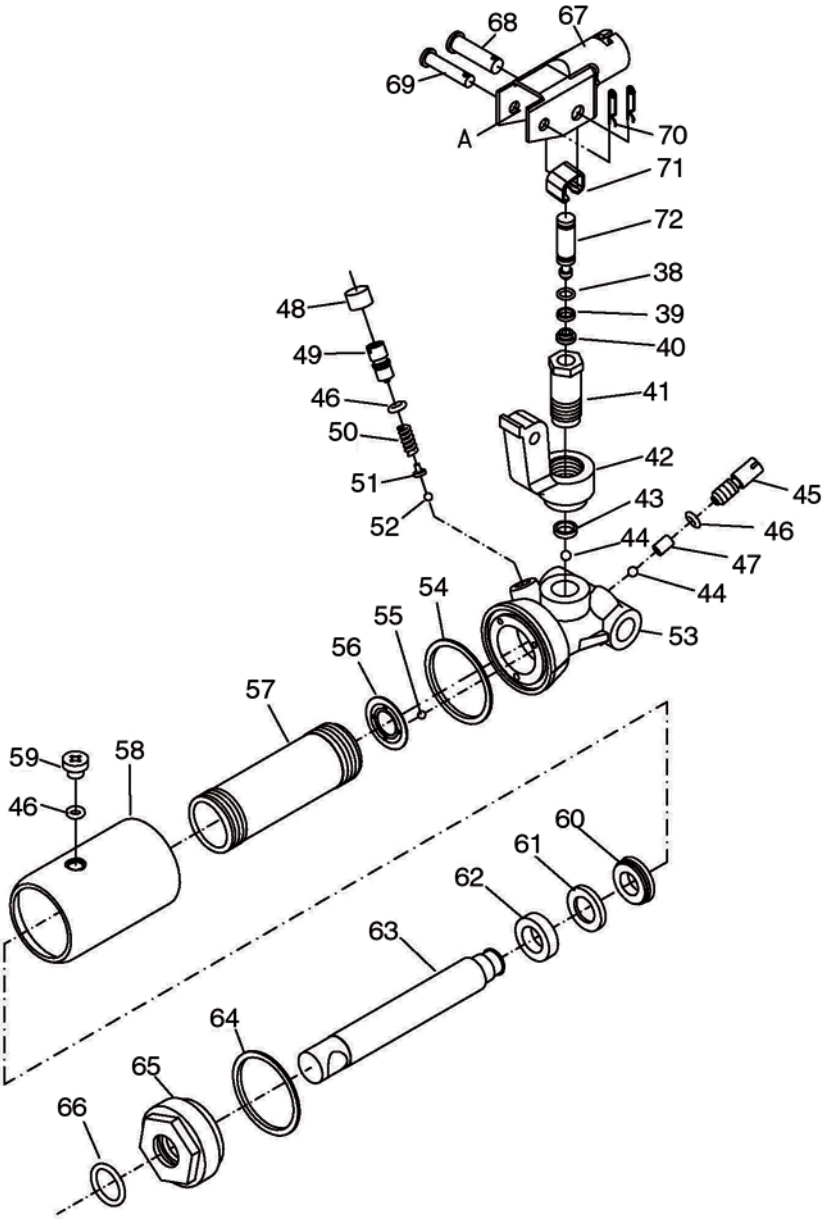
No	Description	Part No
27	Tie Plate	TACTJ2250LP27
28	Shaft	TACTJ2250LP28
29	Front Axle	TACTJ2250LP29
30	Lifting Arm Assy	TACTJ2250LP30
31	Centre Shaft	TACTJ2250LP31
32	Saddle	TACTJ2250LP32
33	Saddle Support	TACTJ2250LP33
34	Circlip No17	TACTJ2250LP34
35	Ram Pivot Shaft	TACTJ2250LP35
36	Filler Plug	TACTJ2250LP36
37	Saddle Pad	TACTJ2250LP37
38	O-Ring 7.8x1.9	TACTJ2250LP38
39	Back-up Ring	TACTJ2250LP39
40	U-Seal	TACTJ2250LP40
41	Pump Cylinder	TACTJ2250LP41
42	Pump Body	TACTJ2250LP42
43	Swivel	TACTJ2250LP43
44	Steel Ball	TACTJ2250LP44
45	Release Valve	TACTJ2250LP45
46	O-Ring 6x3	TACTJ2250LP46
47	Release Valve Pin	TACTJ2250LP47
48	Safety Valve Cap	TACTJ2250LP48
49	Safety Valve Screw	TACTJ2250LP49
50	Safety Valve Spring	TACTJ2250LP50
51	Safety Valve Plunger	TACTJ2250LP51
52	Steel Ball 4mm	TACTJ2250LP52

COMPONENT PARTS



Parts & Service: 020 8988 7400/E-mail:Parts@clarkeinternational.com or Service@clarkeinternational.com

COMPONENT PARTS



Parts & Service: 020 8988 7400/E-mail:Parts@clarkeinternational.com or Service@clarkeinternational.com

COMPONENT PARTS

No	Parts List	Part No
53	Control Valve Body	TACTJ225053
54	Nylon Washer	TACTJ225054
55	Steel Ball 3/16"	TACTJ225055
56	Washer	TACTJ225056
57	Ram Cylinder	TACTJ225057
58	Oil Reservoir	TACTJ225058
59	Oil Filling Plug	TACTJ225059
60	U-Seal	TACTJ225060
61	O-Ring Retainer	TACTJ225061
62	Guide Ring	TACTJ225062
63	Ram Piston	TACTJ225063

No	Description	Part No
64	Nylon Washer	TACTJ225064
65	Reservoir End Cap	TACTJ225065
66	O-Ring 21.7x3	TACTJ225066
67	Handle Socket	TACTJ225067
68	Piston Pivot	TACTJ225068
69	Handle Hinge Pin	TACTJ225069
70	Split Pin	TACTJ225070
71	Pump Conn Clip	TACTJ225071
72	Actuating Piston	TACTJ225072
---	Hydraulic Seal Kit	TACTJ225073

A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS

AIR COMPRESSORS
From DIY to industrial, Plus air tools, spray guns and accesories.

GENERATORS
Prime duty or emergency standby for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine driven - we have what you need

WELDERS
Mig, Arc, Tig and Spot. From DIY to auto/industrial.

METALWORKING
Drills, grinders and saws for DIY and professional use.

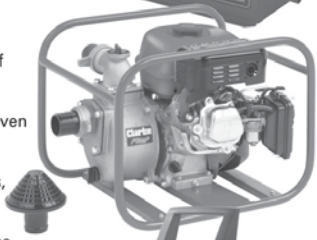
WOODWORKING
Saws, sanders, lathes, mortisers and dust extraction.

HYDRAULICS
Cranes, body repair kits, transmission jacks for all types of workshop use.

WATER PUMPS
Submersible, electric and engine driven for DIY, agriculture and industry.

POWER TOOLS
Angle grinders, cordless drill sets, saws and sanders.

STARTERS/CHARGERS
All sizes for car and commercial use.



PARTS & SERVICE: 020 8988 7400
E-mail: Parts@clarkeinternational.com or Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke® INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com