Clarke®

STRONG-ARM

1.5 TONNE GARAGE JACK

MODEL NO: CTJ1500QULP

PART NO: 7623075

OPERATION & MAINTENANCE INSTRUCTIONS

CE

ORIGINAL INSTRUCTIONS

GC0220 - ISS -2

INTRODUCTION

Thank you for purchasing this CLARKE Garage Jack.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

SPECIFICATIONS

	CTJ1500QULP
Rated load	1.5/1500 (Tonne/kg)
Weight	42 kg
Dimensions (L x W x H) without handle	880 x360 x 240mm
Height of saddle from floor (minimum)	72 mm
Height of saddle from floor (maximum)	607 mm
Length of handle (in situ)	940 mm
Pump oil capacity	0.19L
Number of strokes min-max height	8
Distance raised per stroke (average)	90 mm

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 the purpose for which it was intended.

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.

SAFETY PRECAUTIONS

WARNING: THE OPERATOR MUST FOLLOW ALL INSTRUCTIONS WITHIN THIS INSTRUCTION BOOKLET

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 under a vehicle supported only by this jack. If working underneath 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, sinking or otherwise moving 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 that the jack is properly maintained at all times and that no corrosion or other damage is allowed to weaken any part of it.
4. When necessary, have your jack serviced or repaired by a qualified technician using identical replacement parts. This will ensure that the

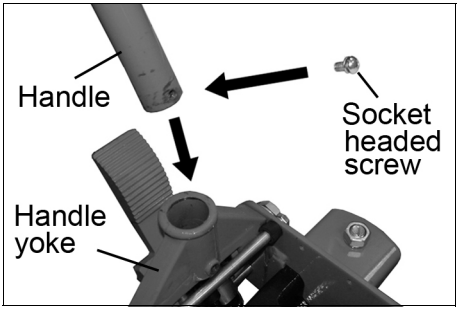
safety of the jack is maintained.

5. NEVER use the jack if it has been subjected to excess load (over 1.5 tonnes). 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

UNPACKING AND ASSEMBLY

1. Remove the socket headed screw from the handle.
2. Insert the handle fully into the handle yoke until it engages with the jack control valve at the base of the yoke.
3. Re-fit the socket headed screw to secure the handle to the jack.



OPERATION

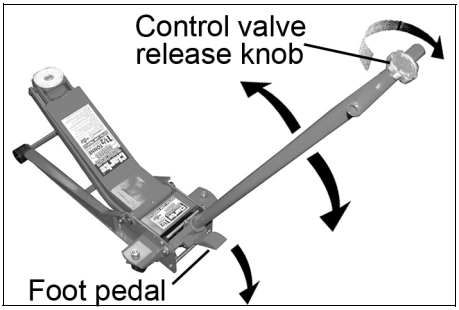
This jack incorporates a twin piston pump with a `quick lift' facility. This provides the user with a rapid raising operation for the unladen jack. When the jack encounters a load (the vehicle to be raised), its distance raised per stroke reduces to provide a gradual and controllable lifting operation.

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

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 CORRECT JACKING/SUPPORT POINTS.

1. Ensure the vehicle to be raised is stable and on firm level ground with the 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. Turn the control valve release knob clockwise to close the valve.
4. Pump either the foot pedal or the handle to raise the saddle until it reaches the vehicle lifting point.

5. Take care that no obstruction prevents a clean lift. Keep all personnel at a safe distance before lifting the vehicle.



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

6. Position axle stands directly beneath suitable supporting points on the vehicle, and very gently twist the control valve release knob anticlockwise.
   - This will open the control valve to lower the load onto the stands.
7. To stop the jack lowering at any point, turn the release knob clockwise again. Always avoid a rapid descent by turning the valve control 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.

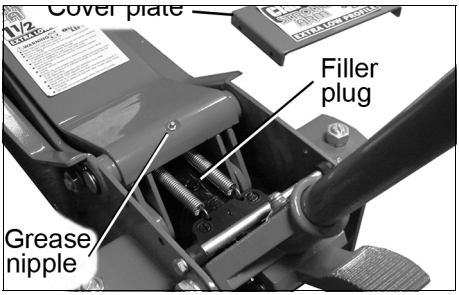
NOTE: Ensure this operation is carried out under complete control. DO NOT allow the load to drop suddenly as this could damage internal parts.

9. Completely remove the jack from the vehicle.

MAINTENANCE

PURGING AIR FROM THE SYSTEM

If air bubbles become trapped inside the hydraulic system during shipping or transport, the efficiency of the jack will be reduced and the jack will feel spongy. Air can be purged from the system as follows.



1. Turn the control handle counter-clockwise, relieving the pressure inside the jack, then remove the cover plate and oil filler plug.
   - A broad-bladed screwdriver is required for the plug.
2. Pump the handle several times to purge air from the system.

3. Replace the oil filler plug, then turn the control valve release knob 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 turning the control valve release knob fully anticlockwise.
2. Remove the cover plate and the oil filler plug.
   - 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).
3. Purge any air from the system and replace the oil 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. Should the arm become stiff, apply a shot of grease to the nipple on the top of the lifting arm.
2. Store in a dry location.
3. In the event of damage or broken components, replacements are available from Clarke Parts & Service.

STORAGE

1. Store in a dry place with the ram fully lowered. If stored for long periods, inspect at least once a year, clean and re-oil. For servicing, contact your CLARKE dealer, or CLARKE International Service Department.

ENVIRONMENTAL PROTECTION

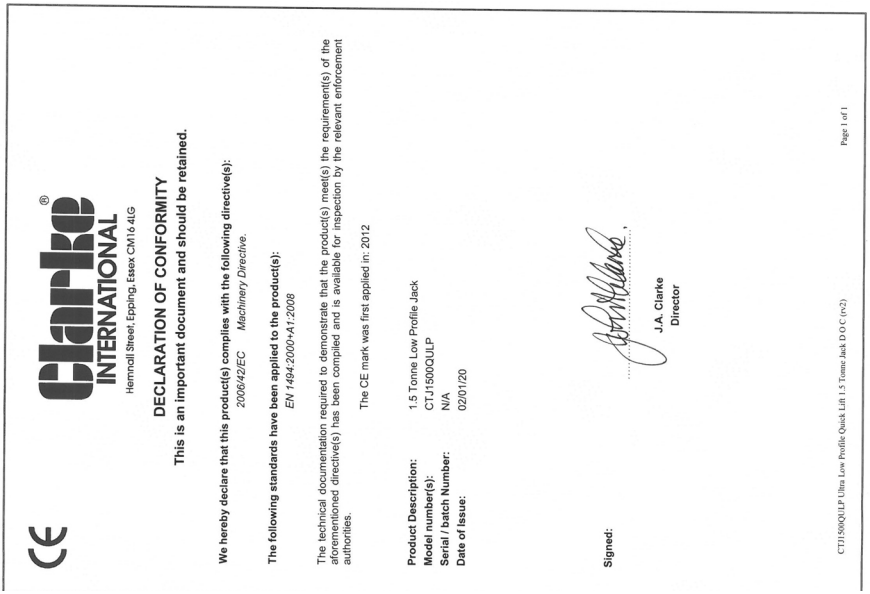
One of the most damaging sources of environmental pollution is oil products. Never throw away used hydraulic oil with domestic refuse or flush it down a sink or drain. Collect any hydraulic oil in a leak proof container and take it to your local waste disposal site.

If disposing of this product or any damaged components, do not dispose of with general waste. This product contains valuable raw materials and should be taken to your local civic amenity site for recycling of metal products.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Jack will not lift the rated load	Low oil level	See `Checking the Oil Level`on p 6
	Valve not closed	Turn the release knob fully clockwise
	Air in the system	Purge the system as on p 5
Jack lower when under load	Release valve not fully closed	Turn the release knob fully clockwise
	Air in the system	Purge the system as on p 5
Pump feels Spongy	Low oil level	See `Checking the Oil Level`on p 6
	Air in the system	Purge the system as on page 5
Jack will not lift full height	Low oil level	See `Checking the Oil Level`on p 6
	Air in the system	Purge the system as on p 5
Jack will not lower completely	Return spring may be faulty	Return to your Clarke dealer for repair
If any of these remedies fail to restore your jack, consult your Clarke dealer		

DECLARATION OF CONFORMITY



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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):
EN 1494:2000+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: 2012

Product Description: 1.5 Tonne Low Profile Jack
Model number(s): CTJ1500QULP
Serial / batch Number: N/A
Date of issue: 02/01/20

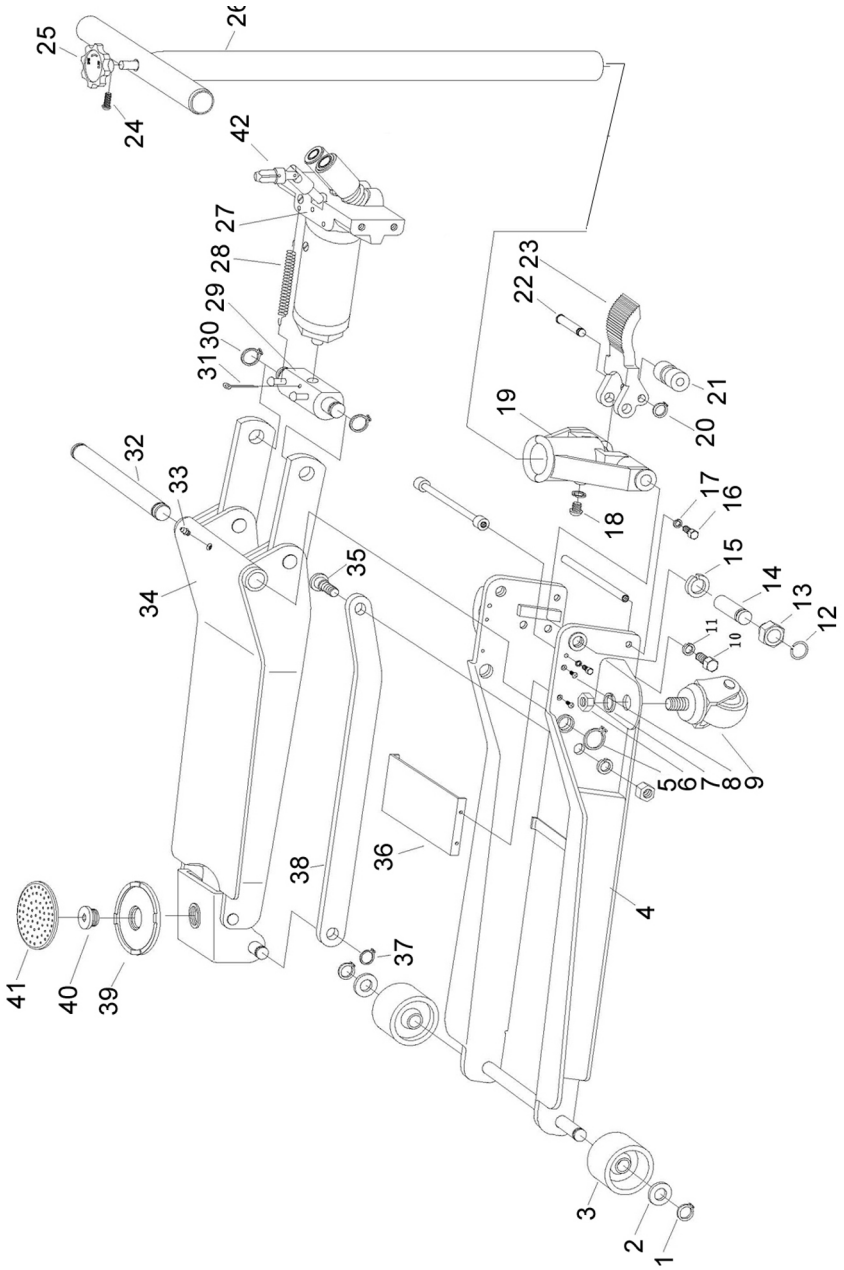
Signed:

J.A. Clarke
Director

CTJ1500QULP Ultra Low Profile Quick Lift 1.5 Tonne Jack D O C (rv2)

Page 1 of 1

COMPONENT PARTS - GENERAL ASSEMBLY



COMPONENT PARTS - GENERAL ASSEMBLY

	Description
1	Circlip 20mm
2	Washer 20mm
3	Front wheel
4	Chassis frame
5	Circlip 25mm
6	Nut M16
7	Washer M16
8	Screw M5x12
9	Rear castor assembly
10	Screw M12x 25
11	Washer M12
12	Circlip 15mm
13	Yoke shaft nut
14	Yoke shaft
15	Washer 20mm
16	Screw M8x20
17	Washer 8mm
18	Screw M8x14
19	Handle yoke
20	Circlip 12mm
21	Yoke roller

	Description
22	Yoke roller pin
23	Foot pedal
24	Screw M5x16
25	Release knob
26	T-pump handle
27	Hydraulic unit
28	Return spring
29	Link block
30	Circlip 22mm
31	Split pin A4x55
32	Lift arm shaft
33	Grease nipple
34	Lifting arm
35	Radius link bolt
36	Cover plate
37	Circlip 14mm
38	Radius link
39	Saddle
40	Saddle screw
41	Saddle pad
42	Universal joint

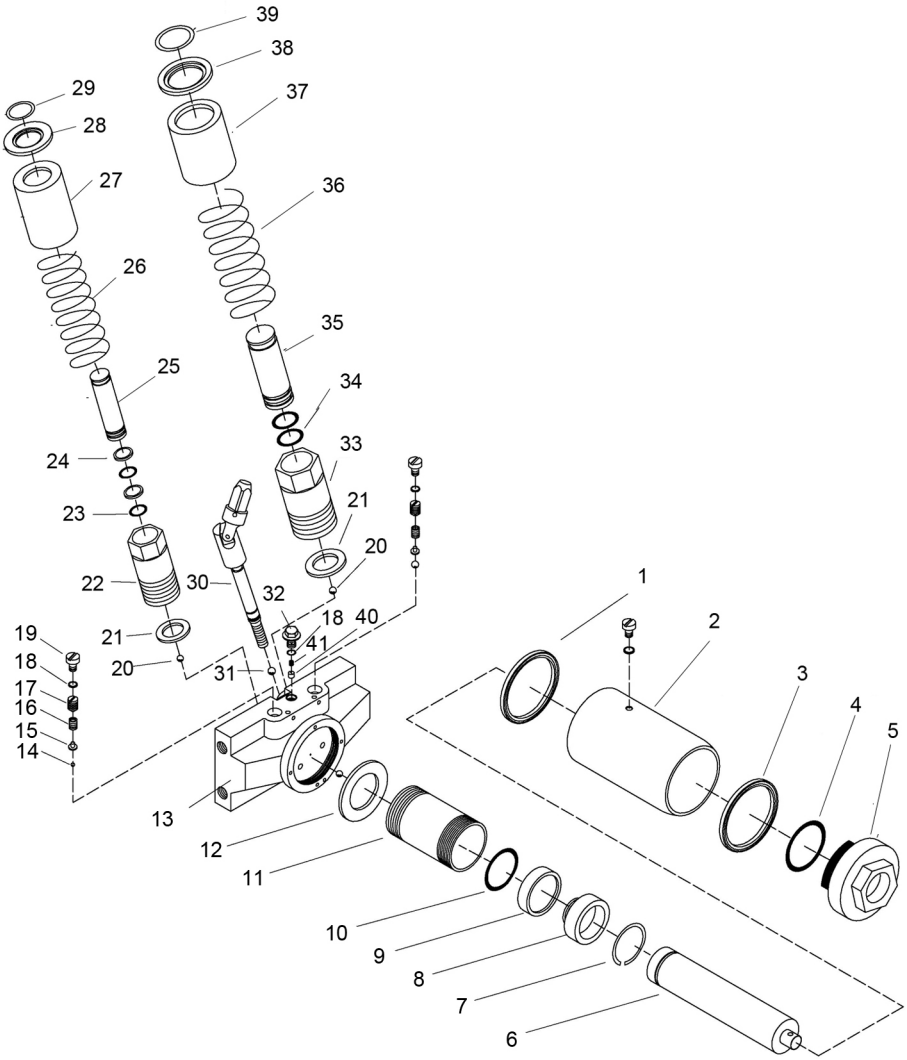
COMPONENT PARTS - HYDRAULIC PARTS

	Description
1	Sealing ring
2	Reservoir
3	Sealing ring
4	O-ring 29x3.55 #
5	Top nut
6	Ram
7	Circlip 30mm
8	Ram base
9	Washer
10	O-ring 24.6 x 5.1 #
11	Cylinder
12	Copper sealing ring
13	Body casting
14	Steel ball 4mm
15	Valve base
16	Spring
17	Safety valve screw
18	O-ring
19	Safety valve end screw
20	Steel ball
21	High pressureCopper sealing ring

	Description
22	High pressure piston housing
23	O-ring 10 x 2.65 #
24	Retaining ring 15 x 10.6 x 1.25
25	High pressure piston
26	Piston return pring
27	HP piston dust cover
28	Return spring seat
29	Retaining ring 15mm
30	Universal joint
31	Steel ball 6mm
32	Slow release valve seat
33	Low pressure piston housing
34	O-rings 15X2.65 #
35	Low pressure piston
36	LP piston return spring
37	LP piston dust cover
38	Low pressure piston
39	Retaining ring 20mm
40	Slow release pin
41	Slow release pin spring

- Items marked # are components of the Repair Seal Kit.

COMPONENT PARTS - HYDRAULIC PARTS



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