

# CLARKE<sup>®</sup>

## STRONG-ARM

### HYDRAULIC TROLLEY JACK



CE Model Nos. CTJ2LR, CTJ2QM, CTJ2Q, CTJ2M, CTJ2, CTJ2L & CTJ2ZA 0709

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.

#### 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 is invalid if the product is found to have been abused 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

1. This jack is for lifting ONLY..DO NOT move a load using the jack as a dolly
2. Always inspect the jack before use. Ensure that all parts are in good condition and operating smoothly, the wheels are sound and that no cracks or distortion is apparent. If in doubt **do not use**. Have the parts replaced or consult your CLARKE dealer.
3. Ensure jack is on a firm solid base, and there is no possibility of it slipping when under load.
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. Always ensure that the load is stabilised or supported in such a way that it will not shift during lifting or lowering operations.
6. 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.
7. Never push a load off the jack.
8. Ensure that all personnel are well clear of a load being raised, or lowered.
9. NEVER exceed the rated load for the jack (see 'Specifications').
10. Do not use if an oil leak is apparent...Consult your Clarke dealer.

## OPERATION

**NOTE: Where included, the carrying handle should be attached by clipping it over the two large nuts at the main arm pivot...see illustration on front cover.**

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.

In order to raise or lower the jack, turn the release valve, using the handle, to open or close it. Place the handle over the end of the valve and turn clockwise or anticlockwise, as required.

### RAISING A LOAD

1. Place the end of the handle over the release valve and turn it fully clockwise to close the valve.
2. Place the handle in the jacking attachment and pump the handle so that the saddle rises to the jacking point. Model CTJ2QM, is a quick lift type, and one or two pumps of the handle will bring the saddle to the lifting point.
3. Ensure the saddle is central about the lifting point, and that there are no obstacles to prevent a clean lift, also, all personnel are well away from the area, before continuing to pump the handle to raise the vehicle.
4. Place axle stands directly beneath suitable support points, then replace the end of the jack handle over the release valve once more, and VERY CAREFULLY turn the handle anticlockwise to lower the load on to the axle stands. Ensure the axle stands are centred about the support point and perfectly stable before full weight is taken.
5. Remove the jack from the vehicle.

**NOTE: The jack will move slightly during operation. It is important therefore that the immediate vicinity is clean and completely free from debris.**

### LOWERING A LOAD

1. Take the weight of the vehicle on the jack and continue to jack up to clear the axle stands.
2. With the axle stands removed, VERY CAREFULLY turn the handle anticlockwise to lower the load. Ensure this operation is carried out under complete control. DO NOT allow the load to drop suddenly as this could damage internal components.

## MAINTENANCE

### BEFORE USE.

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.

### EVERY 6 MONTHS

1. Oil all joints, linkages, the pump roller and front wheel hubs.
2. 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.**

### ANNUALLY

Carry out a thorough inspection for serviceability of components & check for oil leaks. Only a very **slight** oil seepage is permissible. If a leak is evident, do not use jack...consult your CLARKE dealer.

### STORAGE

Store in a dry place, with the ram fully retracted, where it cannot be attacked by the elements. 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 Dep't.

## FAULT FINDING

If the jack does not operate satisfactorily, there may be air in the system, or the release valve may be stuck. Try the following remedies, before contacting Clarke Service Dept.

### 1. JACK WILL NOT RAISE LOAD

#### 1.1 Low Oil Level

- a. Ensure the ram is fully retracted by turning the handle fully anticlockwise.
- b. With the jack in a level position, turn the Release Valve fully anticlockwise and remove it.
- c. The oil level should be level with the bottom of the threads inside the oil chamber. If necessary, top up by removing the vent plug, directly on top of the ram, located at the base of the handle housing and fill to the required level with CLARKE HYDRAULIC OIL ONLY (See your CLARKE dealer. Quote Part No. 3050830 for 1 litre bottle). It may be necessary to pull off the cover plate to gain access to the vent plug.
- d. Reinstall the vent plug and Release Valve, closing it fully, then pump handle until the arm reaches its full height.
- e. Open Release Valve and step on saddle forcing it to lower as quickly as possible. repeat this procedure three or four times.
- f. Finally, raise jack under load to test its operation.

#### 1.2 Air in the System

- a. Open Release valve and pump handle fully, 6 or 7 times to purge air.
- b. Close release Valve and try again.

#### 1.3 Release valve seat dirty

- a. Pull lifting arm up and down a few times with the release valve open. If necessary, the valve may be removed and the valve and seat cleaned.

## 2. JACK LOWERS UNDER LOAD.

**2.1 Discharge Valve held open:** Carry out procedure as in 1.1 above

**2.2 Release valve held open/dirty:** Carry out procedure as in 1.3 above

## 3. JACK WILL NOT LIFT FULL 2 TONNES

**Air may be trapped in the system:** Carry out procedure as in 1.2 above

If any of these remedies fail to restore your jack, consult your CLARKE dealer

## SPECIFICATIONS

	CTJ2 CTJ2M CTJ2ZA	CTJ2Q CTJ2QM	CTJ2LR	CTJ2L
Maximum load (tonnes)	2	2	2	2
Minimum Height (mm)	135	135	110	124
Maximum Height (mm)	340	380	405	378
Overall Length (mm)	470	-	635	531
Overall Width (mm)	200	-	250	227
Weight (kg/lbs)	10/22	-	19.5/43	12.3/27
Part No.	7623005 7623010 7623015	7621805 7621810	1600660	7610250

NOTE: Model **CTJ2ZA** includes a pair of axle stands. **DO NOT** exceed the rated capacity of **2 tonnes**

## 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
5. Carrying Handle

## DECLARATION OF CONFORMITY

We declare that this product complies with the following standards/directives

- 89/392/EEC • 91/368/EEC • 93/44/EEC • 93/68/EEC

Product Description: ..... Trolley Jack

Model No: ..... CTJ 2

Serial/Batch No: ..... See Product Data Plate

signed:

  
Engineering Manager

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**