SAFETY AND OPERATING MANUAL

TROLLEY JACK

TJ250

ORIGINAL INSTRUCTIONS

Made in China

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Important: Read these instructions carefully. Note THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS.

USE THIS JACK CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. Failure to do so may cause damage or personal injury. Retain THESE INSTRUCTIONS for future use.

- Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts.
- Use genuine parts only. The use of improper parts may be dangerous.
- Locate the jack in a suitable, well-lit working area. Keep working area clean and tidy and free from unrelated materials.
- Use the jack on level and solid ground, preferably concrete. Avoid tarmacadam as jack may sink in.
- Place wedges under the wheels of vehicle, but ensure the jack wheels are free to move and that there are no obstructions.
- Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or “PARK” if automatic).
- Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc., to allow for vehicle tilting.
- Ensure there are no passengers in the vehicle and that all non-essential persons keep a safe distance whilst the jack is in use.
- Place jack under lifting points recommended by vehicle manufacturer (see vehicle hand book). Ensure lifting point is stable and centred on Saddle.
- NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.

SAFETY PRECAUTIONS

DANGER: Use the jack for lifting only, NOT for supporting the lifted load.

- Use suitable capacity axle stands under the vehicle before proceeding with any task.
- Ensure there are no persons or obstructions beneath the vehicle before lowering.
- **DO NOT** operate the jack if damaged.
- **DO NOT** work under the vehicle until axle stands have been correctly positioned.
- **DO NOT** exceed the rated capacity of the jack (3.0tonne). When lifting a load of maximum capacity or close to it, it is recommended that the effort be reduced by the use of assistance during this operation.
- **DO NOT** adjust the safety overload valve.
- **DO NOT** jack vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- **DO NOT** allow the vehicle to move while supported by the jack, or use the jack to move the vehicle.
- **DO NOT** top up the hydraulic system with brake fluid. Use hydraulic jack oil only and use a qualified person to maintain jack hydraulic system.
- **DO NOT** allow untrained persons to operate the jack and DO NOT use the jack for purposes other than which it is designed.
- **DO NOT** allow persons to ride on the jack.
- When not in use store the jack, fully lowered, in a safe, dry, childproof area.

MACHINE DETAILS

Specifications

Capacity - 2.5 Tonne

Min. Saddle height - 80mm

Max. Saddle height - 515mm

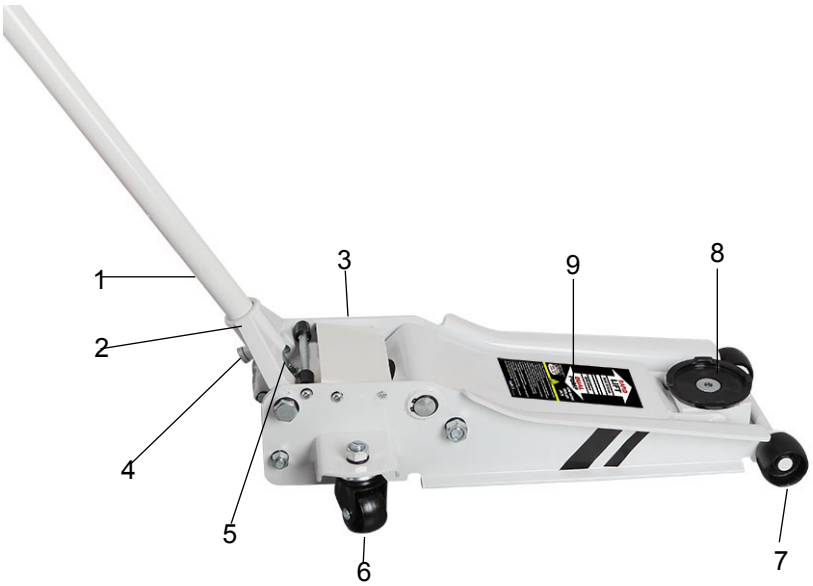
Length - 722mm

Weight - 34.1KG

Lifting height with rated load:360-515mm

Product Features

1. Bottom floor jack pump handle
2. Pump handle socket
3. Floor Jack frame
4. Pump handle hex bolt
5. Pump system
6. Castor wheel
7. Fixed wheel
8. Saddle
9. Lifting arm



The owner and/ or operator shall have an understanding of the product, its operating characteristics and safety operating instructions before operating this device.

Safety information shall be emphasized and understood. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends their contents.

Inspection

a. Visual inspection shall be made before each use of the jack by checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.
b. Other inspections shall be made as per product operating instructions.
c. This jack should be inspected immediately if the jack is believed to have been subject to an abnormal load or shock. It is recommended that this inspection be made by a manufacturer's or supplier's authorised repair facility.
d. Owners and/or operators should be made aware that the repair of this equipment may require specialised knowledge and facilities. It is recommended that an annual inspection of the product be made by a manufacturer's or supplier's authorised repair facility and that any defective parts, safety labels or signs be replaced with manufacturers or supplier's specified parts.

Damaged Equipment

Any jack that appears to be damaged in any way, is found to be worn, or operates abnormally **must be removed from service until repaired.** It is recommended that necessary repairs are to be made by a manufacturer's or supplier's authorised repair facility, if repairs are permitted by the manufacturer or supplier.

Alterations

Due to the potential hazards associated with this type of equipment, no alterations shall be made to the product.

Attachments & Adapters.

Only attachments and/or adapters supplied by the manufacturer shall be used.

Before use

a. Before using jack for the first time, purge the hydraulic unit in order to eliminate any air in the system. Place handle onto the release valve and open valve by turning the handle anti-clockwise, place handle back into the jacking point and pump for 30 to 40 seconds. When complete, close the release valve by turning the valve clockwise. When lifting a load of maximum capacity or close to it, it is recommended that the effort be reduced by the use of assistance during this operation.
b. Prior to each use, visual inspection shall be made to the jack by checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.
c. Consult the vehicle owner's manual to determine the location of the jack points.
d. Be sure to set the vehicle in park with the emergency brake on and wheels secured and checked.
e. Be sure that the vehicle and the jack are on a hard, level surface.

To Lift

1. Turn the release valve clockwise to the closed position. Do not over tighten.
2. Position the jack under the specified lift point.
3. Begin lifting by pumping the handle up and down.
4. Immediately after lifting, support the vehicle with appropriate rated jack stands.
5. Turn the release valve slowly counter clockwise to lower the vehicle onto the jack stands.

To Lower

1. Turn the release valve clockwise to the closed position. Do not over tighten.
2. Pump the handle up and down to lift the vehicle off the jack stands.
3. Remove the jack stands. Do not get under or let anyone under the vehicle while lowering.
4. Turn the release valve slowly counter clockwise to lower the vehicle onto the ground.

NOTICE: Use only a good grade of hydraulic oil. Never use brake fluid, motor oil, transmission fluid, turbine oil or any other fluids.

ISO-VG22 equivalent hydraulic oil is recommended.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.

Check and Refill Oil

1. Remove hydraulic unit cover, if cover is provided.
2. With jack in the fully lowered and level position, remove the oil filler plug.
3. Recommended oil level should be just covering inner cylinder as seen from the oil filler plug hole.
4. Do not overfill. Always fill with new, clean hydraulic jack oil as recommended above.
5. Replace oil filler plug. Then replace the unit cover.

Lubrication and cleaning

Periodically clean and lubricate all moving parts and pivot points.

Air Venting Procedures

1. With the jack in the fully lowered position and release valve open, remove the oil filler plug.
2. Insert handle into the handle sleeve and pump rapidly several times. Replace oil filler plug.
3. Turn the release valve clockwise to the close position.
4. Pump the handle until the lift arm reaches the maximum height and continue to pump several times to remove the trapped air in the system.
5. Turn the release valve counter clockwise one full turn and lower the lift arm to the lowest position, using force on saddle the if necessary.
6. Carefully and slowly pinch the oil filler plug to release pressurised air.
7. Repeat above steps until trapped air is completely vented.

TROUBLESHOOTING

Problem	Possible Cause	Remedy
Jack will not lift the load.	1) Overloaded. 2) Oil level low. 3) Release valve not correctly closed. 4) Air in system. 5) Piston rod not functioning. 6) Packing worn or defective.	1) Be sure to use jack the with adequate capacity. 2) Top up oil level. 3) Check and close release valve. 4) Open release valve and pump the handle a few times. Close valve and re-try. 5) Clean and replace oil. 6) Replace packing.
Jack does not lift high enough or feels “Spongy”.	1) Oil level too high or too low. 2) Worn seals. 3) Air in system. 4) Release valve not closed.	1) Fill or remove excess oil. 2) Return jack to local service agent. 3) Open release valve and pump the handle a few times. Close valve and re-try. 4) Check and close release valve.
Jack lifts poorly	1) Pump packing or valves malfunctioning. 2) Oil is dirty. 3) Air in the system.	1) Replace packing and/or clean valves. 2) Replace oil. 3) Open release valve and pump the handle a few times.

TROUBLESHOOTING

Problem	Possible Cause	Remedy
Jack lifts but will not hold load.	1) Release valve partially open. 2) Dirt on valve seats. 3) Air in system. 4) Faulty seals. 5) Packing worn or defective.	1) Check and close release valve. 2) Lower jack, close release valve. Place foot on front wheel and pull up lifting arm to its full height by hand. Open the release valve to lower arm. 3) Open release valve and pump the handle a few times. Close valve and re-try. 4) Replace packing or contact local service agent. 5) Replace packing.
Jack will not lower completely.	1) Unit requires lubrication 2) Piston rod bent or damaged 3) Jack frame/link system distorted due to overloading/poor positioning 4) Air in system 5) Release valve partially closed 6) Jack spring damaged or unhooked.	1) Oil all external moving parts. 2) Replace rod or contact local service agent. 3) Replace damaged parts or contact local service agent. 4) Open release valve and pump the handle a few times. Close valve and re-try. 5) Check and fully open release valve. 6) Replace spring or contact local service agent.
Jack does not lower at all.	1) Release valve closed.	1) Check and fully open release valve.

CE DECLARATION OF CONFORMITY

TOOLSAVE

Unit C, Manders Ind. Est.,

Old Heath Road, Wolverhampton,

WV1 2RP.

Tel: 01902 450 470

Declares that the Trolley Jack (TJ250)

Is in compliance with the regulations included in the Directives: 2006/42/EC & 93/68/EEC

EC DECLARATION OF CONFORMITY

Certificate for EC-type examination delivered by TÜV SÜD Product Service GmbH

- Zertifizierstelle - Ridlerstraße65 - 80339 München Germany

(Registration No.:M8A 16 04 36776 083)

Person who declares: Bill Evans

CE

01.06.2016

The Director

PARTS LIST

REF#	PART#	DESCRIPTION	QTY
1	TZ830026-GS.3	Power unit assembly	1
2	T830023.4.1(asm)	Universal joint assembly	1
3	GB308-6	Steel ball bearing Ø6mm	1
4	TF1201C-29	Oil plug	1
5		Return spring	2
6		Cotter pin Ø4X45mm	1
7		Coupling connector	1
8	GB894.1-25	C-clip Ø25mm	4
9		Supporting shaft	1
10		Lifting arm assembly	1
11	T830003L-16	Pin for saddle	1
12	T825011L-3	Saddle	1
13	GB894.1-16	C-clip Ø16mm	2
14		Connecting rod pintle	2
15		Frame assembly	1
16	T830018-1	Front wheel	2
17	GB894.1-18	C-clip Ø18mm	2
18		Washer M16	2
19	GB859-16	Spring washer M16	4
20	GB6170-M16	Nut M16	4
21	T83508.6(ASM)	Rear caster assembly	2
22		Spring washer M12	4
23		Socket head cap screw M12X25mm	2
24		Back shaft	1
25		Nut M12	2
26		Handle Socket	1
27	QLZ2C-1a	Handle socket screw M10X19mm	1
28	GB894.1-12	C-clip Ø12㎜	1
29	T825011CL.2-3	Contact roller	1
30	T825011CL.2-2	Pin for contact roller	1
31		Washer M18	2
32		Spring washer M18	2
33		Shoulder bolt M18x54mm	2
34	T825011BCL-2	Cover plate	1
35	GB845	Socket head cap screw	4
36		Position shaft	1
37	T84004-7	Rubber sleeve	2
38	GB859-8	Spring washer M8	2
39	GB823- M8X16	Pan head combination drive machine screw M8X16mm	2
40	T830018Z.2a	Handle assembly	1
41	T83508.5-4	Handle lock pin	1
42	T830026.MF	Seal kit	1

PARTS DIAGRAM