

2.5 TONNE TROLLEY JACK

Low Profile Aluminium & Steel Design
Twin Pump >>> Quick Lift



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1. SAFETY GUIDELINES

- 1.1 Please read the following guidelines carefully before using this equipment. This equipment must be kept clean and kept in good working order in order to ensure safe and effective operation. Inspect the equipment carefully before use and do not use if any defects are identified. Contact your nearest Tundra Industrial Dealer for further information on repairs and replacement parts.
- 1.2 The maximum load for this equipment is 3 Tonnes. Do not exceed this rated capacity.
- 1.3 Centre the load on the saddle before lifting.
- 1.4 This jack is a lifting device ONLY. Support the vehicle with appropriate means immediately after lifting.
- 1.5 Do not go under the vehicle after lifting until it is supported correctly with axle stands.
- 1.6 Do not move or dolly the vehicle after lifting until it is supported correctly with axle stands.
- 1.7 Use jacks only on areas of the vehicle as specified by the vehicle manufacturer.
- 1.8 Use this trolley jack for the purpose for which it is intended. **Do not** use it for any other purpose it is not designed to perform. Do not modify or attempt to enhance the equipment in any way.
- 1.9 Keep children, unauthorized persons & animals away from the work area.
- 1.10 Only use this jack on a hard surface that is stable, level, dry and not slippery, and capable of sustaining the load.
- 1.11 Inspect the jack before each use. Do not use if bent, broken, cracked, leaking or otherwise damaged, any suspect parts are noted or it has been subjected to a shock load.
- 1.12 Check to ensure that all applicable bolts and nuts are firmly tightened.
- 1.13 Do not operate the jack when you are tired or under the influence of alcohol, drugs or any intoxicating medication.
- 1.14 Do not allow untrained persons to operate the jack.
- 1.15 Do not make any modifications to the jack.
- 1.16 Do not use brake fluid or any other improper fluid and avoid mixing different types of oil when adding hydraulic oil. Only good quality hydraulic jack oil can be used.
- 1.17 If the jack needs repairing and/or there is any part that needs to be replaced, have it repaired by authorized technicians and only use the replacement parts supplied by the manufacturer.



WARNING:

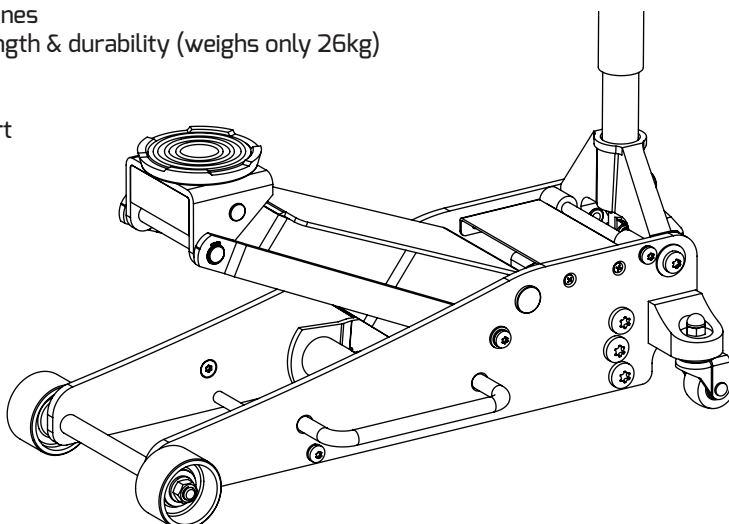
No responsibility is accepted for incorrect use of this equipment. Incorrect use can result in damage to the equipment and danger to the user. Warranty will be void in the event of incorrect use. Hydraulic products are only repaired by Tundra Industrial authorised engineers. The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

2. SPECIFICATIONS

Model Number	TUNJKTRLROC2.5AL
Maximum Load:	2.5 Tonne
Minimum Height:	100mm
Maximum Height:	465mm
Length:	659mm
Weight (NW/GW):	26.3kg / 28kg

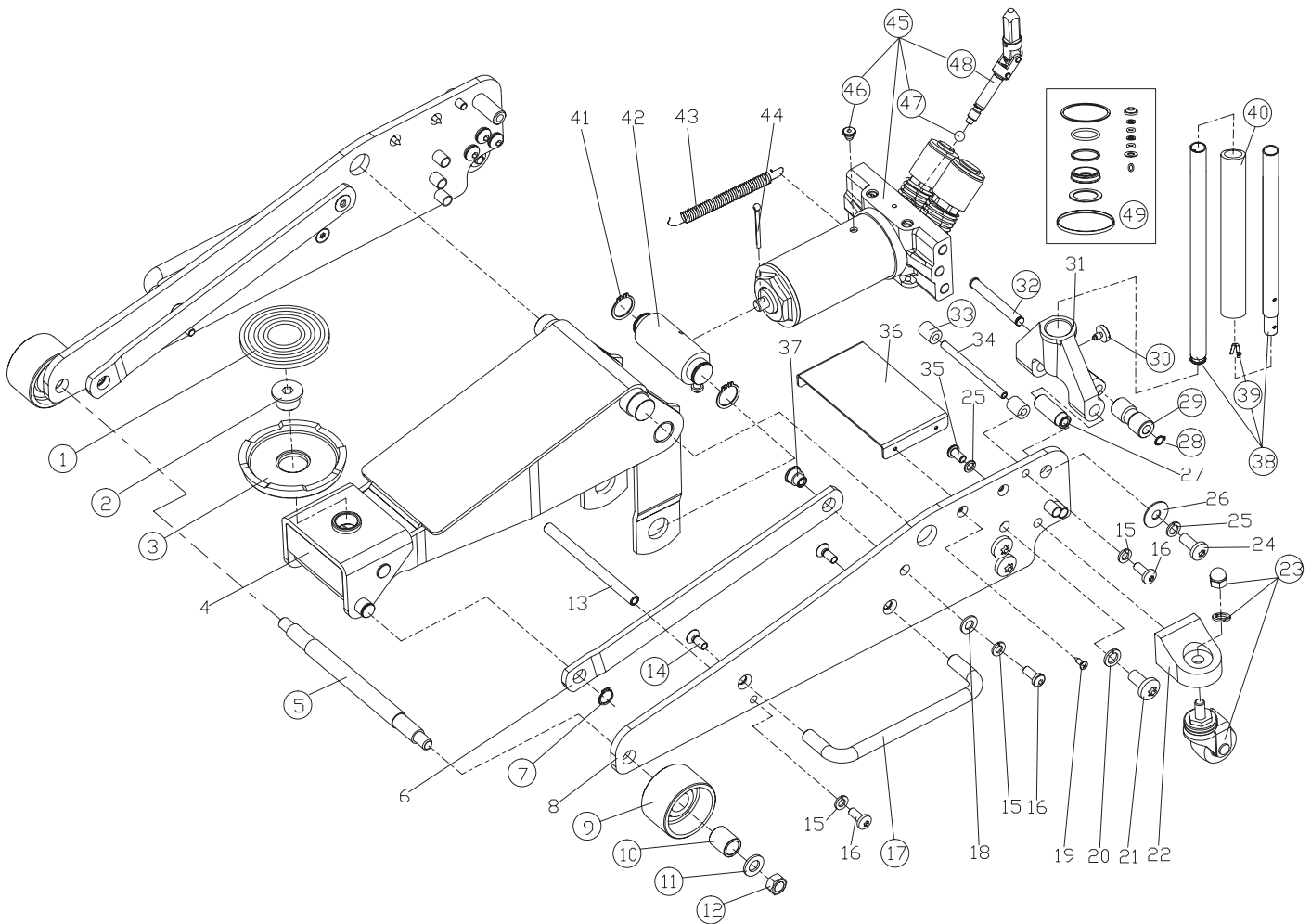
3. DESCRIPTION

- Low-profile trolley jack capable of lifting up to 2.5 Tonnes
- Constructed of lightweight aluminium & steel for strength & durability (weighs only 26kg)
- Low profile design with lightweight alloy load wheels
- Twin-piston design for smooth & fast lifting action
- Fitted with lifting bars on either side for easy transport
- Rear swivel castors for easy manoeuvrability
- Built-in safety valve prevents against overloading
- Large 100-465mm lifting range
- Ideal for motor-racing enthusiasts & busy garages



4. PARTS LIST & EXPLODED PARTS DIAGRAM

#	Description	Qty	#	Description	Qty	#	Description	Qty
01	SADDLE PAD	1	11	M12 WASHER	2	21	BUTTON HEAD SOCKET CAP SCREW	6
02	SADDLE PIN	1	12	M12 NUT	2	22	CASTER BASE	2
03	SADDLE	1	13	POSITION ROD	1	23	REAR CASTER ASSEMBLY	2
04	LIFTING ARM ASSEMBLY	1	14	M8 X 20MM	4	24	BUTTON HEAD SOCKET CAP SCREW	2
05	FRONT WHEEL SHAFT	1	15	SPRING WASHER M8	6	25	M10 SPRING WASHER	8
06	CONNECTED BAR	2	16	BUTTON HEAD SOCKET CAP SCREW	6	26	M10 WASHER	2
07	C CLIP (16MM)	2	17	CARRYING HANDLE	2	27	HANDLE SOCKET SHAFT	2
08	SIDE FRAME	2	18	M8 WASHER	2	28	C CLIP (12MM)	1
09	FRONT ROW	2	19	TAPPING SCREW M4 x 16MM	4	29	ROLLER	1
10	FRONT WHEEL SLEEVE	2	20	SPRING WASHER M12	6	30	HANDLE SOCKET SCREW M10 x 19	1



#	Description	Qty	#	Description	Qty
31	HANDLE SOCKET	1	41	C-CLIP (25MM)	2
32	PIN FOR ROLLER	1	42	UNIVERSAL JOINT SHAFT	1
33	RUBBER SLEEVE	2	43	RETURN SPRING	2
34	LIMITED ROD	1	44	COTTER PIN 4x40mm	1
35	BUTTON HEAD SOCKET CAP SCREW	6	45	POWER UNIT ASSEMBLY	1
36	COVER PLATE	1	46	OIL PLUG	1
37	CONNECTING ROD PINTLE	2	47	STEEL BALL (6MM)	1
38	HAND ASSEMBLY	1	48	UNIVERSAL JOINT ASSEMBLY	1
39	SPRING	1	49	SEAL KIT	1
40	FOAM PROTECTIVE PAD	1			

6. OPERATING INSTRUCTIONS

WARNING! Ensure that you read, understand and apply the safety instructions and warnings before use.

Lifting

- Turn the handle/release valve clockwise to the closed position. Do not over tighten.
- Position the jack under the specified lift point.
- Begin lifting by pumping the handle up and down.
- Immediately after lifting, support the vehicle with appropriately rated jack stands.
- Turn the handle/release valve slowly counterclockwise to lower the vehicle onto jack stands.

Lowering

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

7. TROUBLESHOOTING

Symptom	Possible Causes	Solution
Jack will not lift the load	1. Release valve not tightly closed 2. Low oil level 3. Defective or worn internal parts 4. Load exceeds maximum allowance	1. Tighten release valve 2. Check and add oil. Follow "Check and Refill Oil" instructions on facing page 3. Discontinue use and contact a local repair centre 4. Use a higher capacity jack
Jack will not hold the load	1. Release valve not tightly closed 2. Power unit malfunction	1. Tighten release valve 2. Discontinue use and contact a local repair centre
Jack will not descend to minimum height, or will not remain in lowered position	1. Air trapped in system 2. Reservoir oil overfilled	1. Vent air out of system. Follow "Air Venting Procedures" on facing page 2. Check and ensure proper oil level. Follow "Check and Refill Oil" instructions on facing page
Jack will not lift to maximum height	1. Low oil level	1. Check and ensure proper oil level. Follow "Check and Refill Oil" instructions on facing page
Jack will not function properly after trying solutions listed above	1. Internal malfunction or structural damage	1. Stop usage and contact an authorised repair centre



USER MANUAL

TUNJKTRLROC2.5AL

8. MAINTENANCE

Important: Use high grade hydraulic oil only. Never use brake fluid, motor oil, transmission fluid, turbine oil or any other fluids. ISO-VG22 or equivalent hydraulic oil is recommended.

Check and Refill Oil

- With the jack fully lowered and in a level location, if unit cover is provided, remove unit cover, then remove oil filler plug.
- The oil should just cover the inner cylinder as seen from the oil filler plug hole.
- Do not overfill. Always fill with new, clean hydraulic jack oil as recommended above.
- Replace oil filler plug, then replace unit cover.

Lubrication and Cleaning

- Periodically clean and lubricate all moving parts and pivot points.

Air Venting Procedures

- With the jack fully lowered and the release valve open, remove the oil filler plug.
- Pump the handle rapidly several times. Replace the oil filler plug.
- Turn the handle/release valve clockwise to the closed position.
- Pump the handle until the lift arm reaches maximum height. Continue to pump several times to remove trapped air in the system.
- Turn the handle/release valve counterclockwise one full turn and lower the lift arm to the lowest position.
Use force on saddle if necessary.
- Carefully and slowly loosen oil filler plug to release pressurized air.
- Repeat above steps until trapped air is completely vented.

Damaged Equipment

- Any jack that appears to be damaged in any way, is found to be worn, or operates abnormally SHOULD BE REMOVED FROM SERVICE UNTIL REPAIRED. It is recommended that necessary repairs be made by a manufacturer's or supplier's authorized repair facility if repairs are permitted by the manufacturer or supplier.

Alterations

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

Attachments and Adapters

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

EC DECLARATION OF CONFORMITY

We, Tundra Industrial, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following Directives:

EN 1494:2000+A1:2008 (as amended)

Mobile or movable jacks and associated lifting equipment

2006/42/EC (as amended)

Machinery Directive

Equipment Category: Trolley Jack / Lifting Equipment
Product Name/Model: TUNJKTRLROC2.5AL - 2.5 Tonne Trolley Jack
Maximum Load: 2.5 Tonne

Signed by: Stephen McIntyre
Position in the company: Operations Director
Date: 21 March 2017
This technical document is held by: Jimmy Hemphill



Technical file holder's address as shown below

Name and address of manufacturer or authorised representative:

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Chester Business Park,
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United Kingdom,
CH4 9QR

Telephone: **+44 (0)1244 646 048**
Fax: **+44 (0)1244 241 1**



USER MANUAL

TUNJKTRLROC2.5AL

LIMITED WARRANTY STATEMENT

Tundra Industrial warrants its customers that its products will be free of defects in workmanship or material.

Tundra Industrial shall, upon suitable notification, correct any defects, by repair or replacement, of any parts or components of this product that are determined by Tundra Industrial to be faulty or defective.

This warranty is void if the equipment has been subjected to improper installation, storage, alteration, abnormal operations, improper care, unauthorised service or repair.

Warranty Period

Tundra Industrial will assume both the parts and labour expense of correcting defects during the stated warranty periods below. All warranty periods start from the date of purchase from an authorised Tundra Industrial dealer. If proof of purchase is not available from the end user, then the date of purchase will be deemed to be 3 months after the initial sale to the distributor.

1 Year

- ***Tundra Industrial 2.5 Tonne Trolley Jack - (TUNJKTRLROC2.5AL)***

90 Days

- ***All replacement parts purchased outside of the warranty period***

Important: All parts used in the repair or replacement of warranty covered equipment will be subject to a minimum of 90 days cover or the remaining duration of the warranty period from the original date of purchase.

Warranty Registration / Activation

You can register and activate your warranty by visiting the Jefferson Tools website using the following address: www.jeffersonstools.com/warranty and completing the online form. Online warranty registration is recommended as it eliminates the need to provide proof of purchase should a warranty claim be necessary.

Warranty Repair

Should Tundra Industrial confirm the existence of any defect covered by this warranty the defect will be corrected by repair or replacement at an authorized Tundra Industrial dealer or repair centre.

Packaging & Freight Costs

The customer is responsible for the packaging of the equipment and making it ready for collection. Tundra Industrial will arrange collection and transportation of any equipment returned under warranty. Upon inspection of the equipment, if no defect can be found or the equipment is not covered under the terms of the Tundra Industrial warranty, the customer will be liable for any labour and return transportation costs incurred. These costs will be agreed with the customer before the equipment is returned.

Warranty Limitations

Tundra Industrial will not accept responsibility or liability for repairs made by unauthorised technicians or engineers. Tundra Industrial's liability under this warranty will not exceed the cost of correcting the defect of the Tundra Industrial products. Tundra Industrial will not be liable for incidental or consequential damages (such as loss of business or hire of substitute equipment etc..) caused by the defect or the time involved to correct the defect. This written warranty is the only express warranty provided by Tundra Industrial with respect to its products.

Any warranties of merchantability are limited to the duration of this limited warranty for the equipment involved. Tundra Industrial is not responsible for cable wear due to flexing and abrasion. The end user is responsible for routine inspection of cables for possible wear and to correct any issues prior to cable failure.



USER MANUAL

TUNJKTRLROC2.5AL

Claiming Warranty Coverage

The end user must contact Tundra Industrial (Tel: **+44 (0) 1244 646 048**) or their nearest authorised Tundra Industrial dealer where final determination of the warranty coverage can be ascertained.

Step 1 - Reporting the Defect

Online Method:

- Visit the website www.jeffersonstools.com/warranty and complete the Warranty Returns form. You can complete the form online and submit it to us directly or download the form to print out and return by post.

Telephone Method:

Contact your Tundra Industrial dealer or sales representative with the following information:

- Model number
- Serial number (usually located on the specification plate)
- Date of purchase

A Warranty Returns form will be sent to you for completion and return by post or fax, together with details of your nearest authorised Tundra Industrial repair centre. On receipt of this form Tundra Industrial will arrange to collect the equipment from you at the earliest convenience.

Step 2 - Returning the Equipment

It is the customer's responsibility to ensure that the equipment is appropriately and securely packaged for collection. Please ensure that you include a copy of your proof of purchase. Please note that Tundra Industrial cannot assume any responsibility for any damage incurred to equipment during transit. Any claims against a third party courier will be dealt with under the terms & conditions of their road haulage association directives.

Step 3 - Assessment and Repair

On receipt, the equipment will be assessed by an authorised Tundra Industrial engineer and it will be determined if the equipment is defective and in need of repair and any repairs needed are covered by the warranty policy. In order to qualify for warranty cover all equipment presented must have been used, serviced and maintained as instructed in the user manual.

Where repair is not covered by the warranty a quotation for repair, labour costs and return delivery will be sent to the customer (normally within 7 working days). **Note:** If the repair quotation is not accepted Tundra Industrial will invoice 1 hour labour time at £30 per hour plus return carriage costs (plus VAT).

In cases where no fault can be found with the equipment, or, if incorrect operation of the equipment is identified as the cause of the problem, a minimum of 1 hour labour at £30 per hour plus carriage costs will be required before the equipment will be despatched back to the customer.

Any equipment repaired or replaced under warranty will normally be ready for shipment back to the customer within 7 working days upon receipt of the equipment at an authorised Tundra Industrial Repair centre (subject to part availability). Where parts are not immediately available Tundra Industrial will contact you with a revised date for completion of the repair.

General Warranty Enquiries

For any further information relating to Tundra Industrial warranty cover please call **+44 (0) 1244 646 048**.

