



EN

Original Instructions
Version 2
October 2025

3 TONNE **TROLLEY JACK**

16407



1. Preface

1.1 Product Reference

User Manual for: 3 Tonne Trolley Jack

Stock No: 16407

Part No: TJ3HD/C

1.2 Revisions

Version 1: December 2018

First release

Version 2: October 2025

As our manuals are continually updated, always ensure that the latest version is used.

Download the latest version from:
drapertools.com/manuals

1.3 Understanding the Safety Content of This Manual

 **WARNING!** – Situations or actions that may result in personal injury or death.

 **CAUTION!** – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

Copyright © Draper Tools Limited.

Permission is granted to reproduce this manual for personal and educational use **ONLY**. Commercial copying, redistribution, hiring or lending is strictly prohibited.

No part of this manual may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases, this copyright notice must remain intact.

2. Contents

1. Preface	2
1.1 Product Reference	2
1.2 Revisions	2
1.3 Understanding the Safety Content of This Manual	2
1.4 Copyright © Notice	2
2. Contents	2
3. Product Introduction	3
3.1 Intended Use	3
3.2 Specification	3
4. Health and Safety Information	3-4
4.1 General Health and Safety Precautions	3
4.2 Preparing the Vehicle to be lifted	4
4.3 Correct Use of the Jack	4
5. Identification and Unpacking	5
5.1 Product Overview	5
5.2 Packaging	5
6. Operating Instructions	5-6
6.1 Preparing the Jack	5
6.2 Fitting the Handle	5
6.3 Bleed the Jack	6
6.4 Raising a Load	6
6.5 Lowering a Load	6
7. Maintenance	6-7
7.1 General Maintenance	6
7.2 Checking and Replacing the Oil	7
7.3 Storing the Jack	7
7.4 Troubleshooting	7
8. Disposal	8
9. Warranty	8
10. Explanation of Symbols	8

3.1 Intended Use

This trolley jack is designed for the lifting of vehicles up to the stated maximum weight limit as part of domestic and light-duty commercial use.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

This product complies with the requirements defined by EN 1494+A1:2008.

Read this manual in full before assembling, operating or maintaining the product, and retain it for later use.

3.2 Specification

Stock No.	16407
Part No.	TJ3HD/C
Rated load:	3,000kg
Max. Lifting range:	133–465mm
Saddle diameter:	110mm
Handle length:	1150mm
Chassis length:	690mm
Net weight:	30.7kg

4. Health and Safety Information

Important: Read all Health and Safety instructions before operating, maintaining or repairing this product. Failure to follow these instructions may result in injury or damage to the user, the product or the vehicle to be lifted. Draper Tools accepts no responsibility for improper use of this jack.

4.1 General Health and Safety Precautions

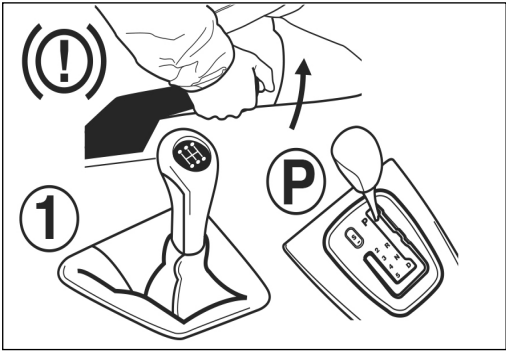
- Only authorised personnel who have carefully read and understood this manual should operate this product.
- **ALWAYS** wear adequate protective footwear when using the jack.
- **ALWAYS** ensure that the working area is well illuminated and free from obstructions.
- Keep bystanders at a safe distance during operation.
- Allow a minimum distance of 0.5m between the vehicle and surrounding objects to allow the vehicle to tip when lifted.

- The wheels of this product **DO NOT** lock.
 - Ensure that the jack will not roll once positioned for use.
- Care must be taken when handling and lifting.
 - Dropping the jack may result in damage to the product or personal injury.
- **DO NOT** modify this product in any way.
- Stay alert to external interference that may cause the raised load to rock during preparation and operation.
- Ensure that the load to be lifted does not exceed the maximum capacity specified for the jack.
- When not in use, lower the lifting arm, put the handle shaft into an upright position and twist it clockwise until strong resistance is felt.
 - This prevents the handle shaft from creating a trip hazard and holds it in the upright position.
 - Alternatively, lower the lifting arm, remove the handle shaft and lay it flat on the floor.

4.2 Preparing the Vehicle to be lifted

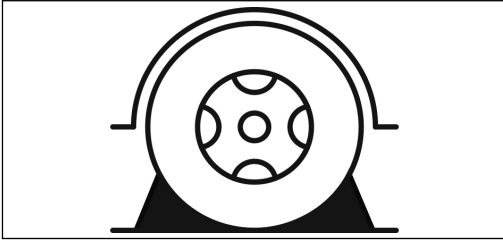
 **WARNING! DO NOT lift the vehicle if it may result in the spillage of dangerous substances, including fuel or battery acid.**

- Ensure that there is no one inside the vehicle.
- Switch off the engine and apply the handbrake.
- Put the vehicle into gear (for manual transmission) or “Park” (for automatic transmission).



- Take any necessary precautions to prevent the vehicle from sliding.

- Grounded wheels should be securely blocked with wheel chocks.



4.3 Correct Use of the Jack

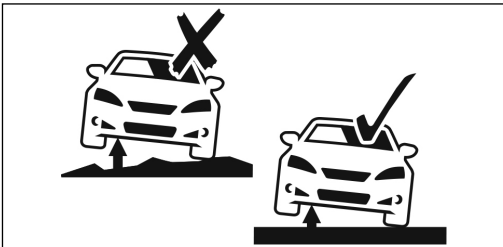
Important: The jack is a lifting device **ONLY** and should never be used to move the vehicle. The vehicle to be lifted should never exceed the rated capacity of the jack.

- **ALWAYS** bleed the jack piston before use.
- **ONLY** operate the jack on solid, level and horizontal surfaces.
 - A concrete surface is recommended, where possible.
 - All four wheels of the jack should be in contact with the operating surface when in use.



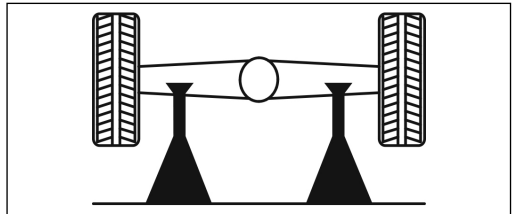
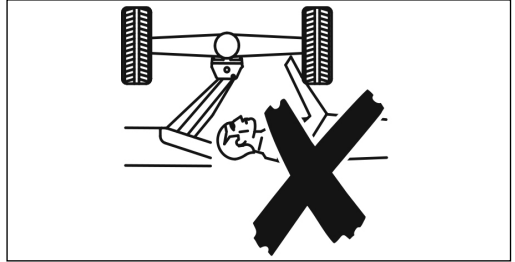
WARNING! Never use the jack on any surface that is slippery or may sink or rock.

- When positioning the jack, **ALWAYS** use the manufacturer's recommended lifting point.
 - These points vary between vehicles; consult the manufacturer's manual or the Haynes workshop manual for the specific vehicle information.



- Ensure that the lifting point is not dirty, greasy or corroded.
- The lifting point must remain centred over the saddle during raising and lowering; off-centred loads may slip and cause injury.

- Position the jack so that no part of the operator is required to be underneath the vehicle at any time during lifting or lowering.
- Keep clear of all movable parts of the jack mechanism when in use.
- To prevent overloading, the jack is fitted with an overload valve set at the factory.



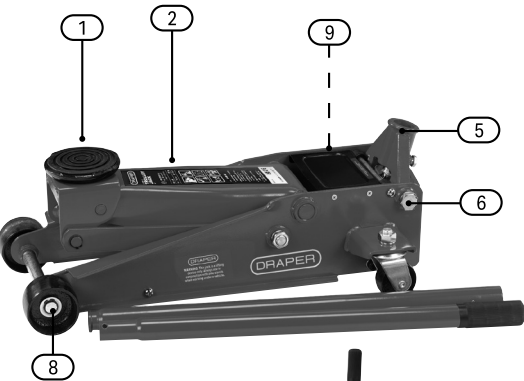
Important: The overload valve should not be adjusted under any circumstances. If the capacity of the jack is exceeded, the valve will prevent the lifting operation.

- Take all precautions to prevent movement of the vehicle during raising and lowering.
 - Be aware that traffic and other external forces may cause the load to rock if used at the roadside.
- Remain alert and observe the load at all times during operation.
 - Should any dangerous conditions occur, including unexpected movement of the vehicle, cease all operation until these conditions have been rectified.
- **NEVER** work under a raised vehicle without using the correct axle supports or other appropriate supporting methods.
- **DO NOT** enter the vehicle or start the engine while it is supported on the jack or axle stand.
- **NEVER** leave the jack unattended when in use.
- **NEVER** detach the handle shaft while the jack is under load.
- **ALWAYS** ensure that there are no persons or obstacles beneath the vehicle before lowering.

5. Identification and Unpacking

5.1 Product Overview

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.



- 1. Saddle
- 2. Lifting arm
- 3. Handle upper shaft
- 4. Handle lower shaft
- 5. Handle socket
- 6. Handle locking bolt
- 7. Wheels and wheel bolts
- 8. Castors
- 9. Oil filler plug

5.2 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

6. Operating Instructions

Important: Before lifting any load, read and understand all the safety instructions listed in this manual. **ALWAYS** bleed the jack piston before use.

6.1 Preparing the Jack

Prepare the jack correctly before each use:

- Check the jack for bent, broken, cracked or loose parts and oil leaks; ensure that the wheels (7) rotate freely and that the bolts are tightly fastened.



WARNING! Do not use the product if defects are present. If it is suspected that the jack has been subjected to abnormal loads or has suffered any knocks, withdraw it from service until the product has been repaired.

6.2 Fitting the Handle

- a. Attach the upper part (3) to the lower part (4) of the handle shaft using bolt supplied. (fig.1)

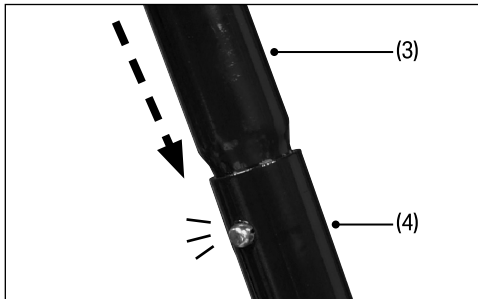


Fig. 1

- b. Insert the complete handle shaft into the handle socket (5) and secure using the locking bolt (6) (fig.2).

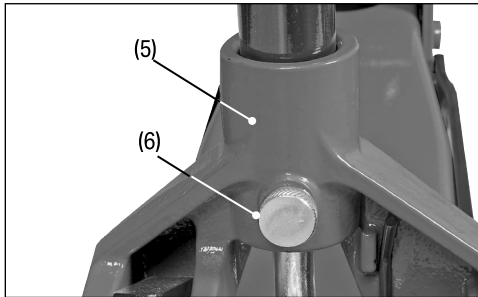


Fig. 2

Important: The handle shaft should be securely fastened but able to be twisted without excessive force. Overtightening may prevent movement of the handle.

6.3 Bleed the Jack

- a. Twist the handle shaft anticlockwise to open the release valve (fig.3) and allow the lifting arm to drop to its lowest position.

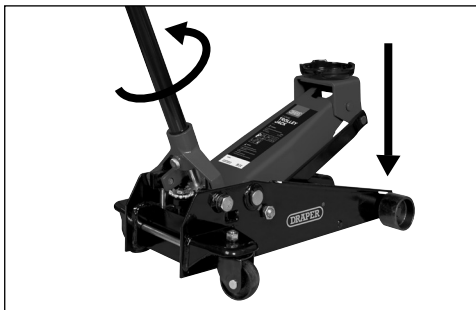


Fig. 3

- b. Pump the handle shaft down and up at least ten times using the full stroke range to lubricate the piston and expel any accumulated air.



Fig. 4

- c. Twist the handle shaft clockwise to close the release valve and until strong resistance is felt to seal the release valve (fig.4).
- d. The jack is now ready for use.

6.4 Raising a Load

1. Position the jack directly beneath the approved vehicle lifting point. See the vehicle manufacturer information for the approved lifting points.
2. Twist the handle shaft clockwise until strong resistance is felt.
3. Pump the handle shaft up and down until contact is made with the vehicle and check that the saddle (1) is positioned correctly.
4. Pump the handle shaft up and down to lift the vehicle. Use the full stroke range to lift more quickly.

Important: If the jack drops under load, safely lower the load and bleed the piston chamber (see 6.3).

5. Immediately secure the raised vehicle with an appropriate axle stand, placing it as instructed in the manufacturer information.

6.5 Lowering a Load



WARNING! Always ensure that there are no persons or obstacles beneath the vehicle before lowering.

1. Gently pump the handle shaft to raise the vehicle slightly then remove the axle stand once it is safe to do so.
2. When the axle stand is clear, carefully twist the handle shaft anticlockwise to gently lower the load.

DO NOT turn the handle shaft more than a half turn at a time during lowering.

7. Maintenance and Troubleshooting

Important: Maintenance and repair of the jack must only be performed by qualified personnel with sufficient knowledge of the hydraulics systems used in these devices.

7.1 General Maintenance

- Keep the jack clean and regularly lubricate all external moving parts at least every 3 months.
 - Dust and debris may cause components to become clogged or jammed, and the product may not perform at its best.
 - Protect the jack and its components from adverse environmental and weather conditions, both during use and when stored. The components may rust if exposed to damp air for prolonged periods.
- Use only spare parts supplied by Draper Tools.
- Before each use, check the jack for signs of damage or disrepair.

7.2 Checking and Replacing the Oil

To extend the working life of the product, keep the oil at an appropriate level and replace it after periods of prolonged intensive use.



CAUTION! Use SAE10 hydraulic oil. Never use brake or engine oil.



WARNING! Oil spillage may cause the operating surface to become slippery. Do not operate the jack on oily surfaces.

To check, drain and refill the oil capsule:

1. Place the jack on a level, horizontal surface.
2. Fully lower the lifting arm (2) and handle shaft.
3. Remove the oil filler plug (9) and check the oil level
Important: The correct oil level is 5mm below the filler plug hole.
4. If the oil is dirty or needs replacing:
 - a. Drain any remaining contents into a container.
 - b. Refill the chamber with new oil as required, keeping the oil free of dirt.



CAUTION! Excessive quantities of oil may render the jack inoperable.

5. Replace the oil filler plug and wipe away any excess oil.
6. Return the handle shaft to an upright position.
Always drain the jack of oil before disposal. Dispose of oil according to local regulations.

7.3 Storing the Jack

When the jack is not in use:

- Detach the handle shaft by unscrewing the locking bolt (6).
- Ensure that the lifting arm (2) is fully lowered and apply an anti-corrosion product to the pistons if appropriate.
- Store the jack in a clean and dry location, out of reach of children.

7.4 Troubleshooting

Problem	Possible Cause	Remedy
The lifting arm does not raise when the handle shaft is pumped.	The release valve is not fully closed.	Twist the handle shaft clockwise until strong resistance is felt and bleed the piston if necessary (see section 6.3).
	The maximum load has been exceeded.	Use an appropriately rated jack or reduce the weight of the load. DO NOT adjust the overload valve.
	The piston system is corroded.	DO NOT use the jack. Contact Draper Tools to discuss repair or replacement options.
The saddle drops once lifted.	The release valve is not fully closed.	Twist the handle shaft clockwise until strong resistance is felt and bleed the piston if necessary.
	The hydraulics mechanism is damaged.	DO NOT use the jack. Contact Draper Tools to discuss repair or replacement options.
The handle shaft cannot be operated or raises the saddle slowly.	The piston system is not appropriately lubricated.	Follow steps in section 6.3.
The handle shaft cannot be twisted.	The locking bolt has been overtightened.	Slightly loosen the bolt.

8. Disposal

At the end of its working life, or when it can no longer be repaired, dispose of the jack according to local regulations.

Contact your local authority for details of collection schemes in your area.

In all circumstances:

- **DO NOT** dispose of this product with domestic waste
- **DO NOT** incinerate
- Before decommissioning, drain and dispose of the oil from the jack in line with local regulations
- **DO NOT** abandon in the environment.



9. Warranty

12 months from date of purchase.

Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for full details.

10. Explanation of Symbols



Read the instruction manual



Warning!



Do not incinerate or throw onto fire



Mandatory action required



Do not abandon in the environment



Use only on level surfaces



Apply the handbrake and put the vehicle in gear



Check all grounded wheels



Support raised vehicles with axle stands



DO NOT work under vehicles when supported only by a jack



Maximum lifting capacity



Un-raised jack height



Maximum lifting height



Saddle diameter



Handle height



Overall length



EN 1494+A1:2008 compliant



Net product weight



European conformity



UK Conformity Assessed

Contact Details

Draper Tools

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: [drapertools.com](https://www.drapertools.com)

Email: sales@drapertools.com

Draper Tools Europe

Draper Tools Europe B.V.
Oude Graaf 8
6002 NL
Weert
Netherlands

Product Helpline: +44 (0) 23 8049 4344

Telephone Sales Desk: +44 (0) 23 8049 4333

General Enquiries: +44 (0) 23 8026 6355

Please contact the Draper Tools Product Helpline for repair and servicing enquiries.