1.5TONNE VERTICAL TRANSMISSION JACK

MODEL NO: **1500TR**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

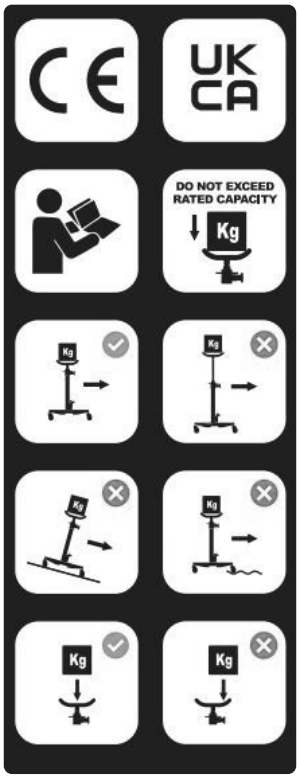


Refer to instruction manual



Wear safety footwear

1. SAFETY



- ❑ **WARNING! Ensure all preliminary checks are carefully carried out before use of jack. Immediately repair or replace damaged parts (use authorised service agent). Ensure use of genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.**
- ❑ **WARNING!** Use jack on level and solid ground, preferably concrete. Ensure the floor over which the jack will be transported is swept clean.
- ▲ **DANGER! DO NOT use on tarmacadam, or any other soft surface as jack may sink or topple. Serious injury may result if ignored.**
- ▲ **DANGER! If jack tips or leans STOP WHAT YOUR ARE DOING. MOVE QUICKLY TO A SAFE DISTANCE. DO NOT TRY TO HOLD OR STEADY JACK.**
- ✓ Use jack in a suitable work area. Keep the area clean and tidy and free from unrelated materials.
- ✓ Ensure there is adequate lighting.
- ✓ Before use ensure the gearbox weight and size does not exceed the capacity of the jack.
- ✓ Ensure the vehicle is raised and stabilised at the correct height before attempting to move the jack under the vehicle.
- ✓ Ensure the jack saddle is fully lowered and is clean, dry, and oil free before attempting to transport the jack with or without a load.
- ✓ Keep all unauthorised persons away from the jack during lifting and lowering and when in transit.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non slip shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain and/or tie back long hair.
- ❑ **WARNING!** Ensure that the load is placed level and centrally on the jack saddle and that it is fixed in place before attempting to lift,lower or transport the load.
- ✓ The lowering speed will vary according to the weight of the load and the release valve setting.
- ✓ Diligence is required in ensuring that you continually monitor the operation until completed.
- ✓ Should the jack make any abnormal sounds during use, **STOP IMMEDIATELY** and contact your local service agent.
- × **DO NOT** operate the jack if any parts are damaged or missing.
- × **DO NOT** exceed the rated capacity of the jack.
- × **DO NOT** raise or lower vehicle lifting platform whilst the transmission jack is being used.
- × **DO NOT** transport the jack with, or without a load, with the saddle in the raised position.
- × **DO NOT** get the jack wet, or use it in damp or wet locations or areas where there is condensation.
- × **DO NOT** operate the jack when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** lift or support vehicles with the jack and **DO NOT** use the jack as a load-sustaining device.
- × **DO NOT** use the jack for any purpose other than removal, transportation and the installation of transmissions.
- × **DO NOT** make any modifications to the jack.
- × **DO NOT** adjust, or tamper with, the safety valve.
- × **DO NOT** remove any labels from the jack. If the labels are damaged or unclear, replace them.
- × **DO NOT** use brake fluid to top up the hydraulic unit. Use Sealey hydraulic oil only.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ Before storing the jack in a safe area, ensure that all parts are clean and free of grease and oil, especially the saddle.



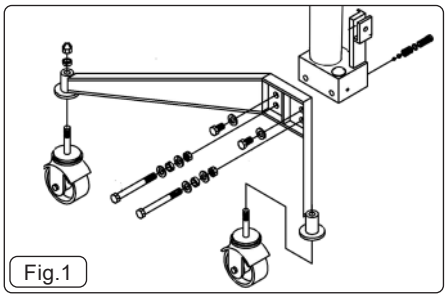
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2. INTRODUCTION

Manufactured to exacting standards, strong construction for durability and suitable for general workshop applications. Spring loaded dead man's safety release control reduces the risk of inadvertent lowering. 2-Way hydraulic unit ensures that the saddle lowers at a controlled speed at all times, even without load. Extra-large castors allow for increased manoeuvrability. Hydraulic units larger than the economy models for improved performance and durability. Can be fitted with optional Adjustable Gearbox Support - check specification in table.

3. SPECIFICATION

Model No:	1500TR
Base Size:	680 x 700mm
Capacity:	1500kg
Fixed/Adjustable Saddle:	Fixed
Maximum Saddle Height:	1950mm
Minimum Saddle Height:	1120mm
Optional Accessories:	ADT5 - Adjustable Gearbox Support
Ram Extensions:	1


Fig.1

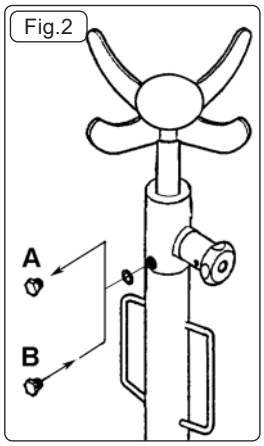


Fig.2

4. ASSEMBLY

4.1. Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately.
4.2. Assemble wheels as in fig.1. Refer to parts diagram for guidance.
4.3. Screw legs to the base of the stand and check that the stand is vertical before tightening the leg screws.
4.4. Place the saddle on the end of the central stand.
4.5. Remove the transportation oil plug and replace with the operating plug (identified by a hole in the plug head, fig.2).

5. PRE-USE CHECKLIST

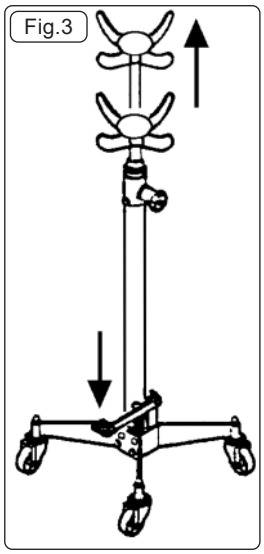
IMPORTANT: Before EACH use, check jack is in sound working order, use following list to form an habitual pre-check procedure. Check items are not: damaged, broken, cracked, bent, malfunctioning, distorted, worn, loose, damage to welds, leaking, dirty, noisy or missing.

1. Saddle base
2. Piston rod
3. Cylinder/Hydraulic unit
4. Stopper rings and cotter pins
5. All nuts and bolts
6. All seals
7. Jack main frame
8. Foot pumps
9 Swivel caster wheels
10. Transport handle

❑ **WARNING! DO NOT** use jack if any suspect part is found, or if believed to have been subjected to abnormal load or shock load. Immediately remove from service and contact an authorised service agent.

IMPORTANT: Before using the jack for the first time, purge the hydraulic circuit in order to eliminate any air, that may have accumulated in the system during transit, as follows:

5.1. Open the release valve by turning valve knob anti-clockwise.
5.2. Pump the jack pedal up and down 15 to 20 times.
5.3. Turn the release valve clockwise to close the valve.

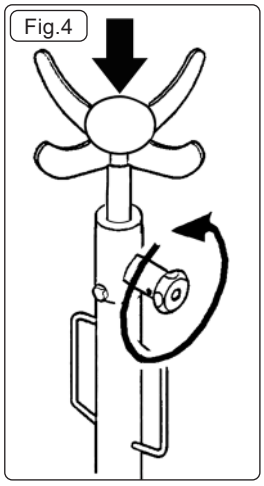

Fig.3

6. OPERATION

❑ **WARNING! Before use ensure you have read, understood and apply Section 1 safety instructions.**
❑ **WARNING! Ensure you prepare vehicle correctly before attempting to use the Transmission Jack.**

6.1. POSITIONING JACK BENEATH LOAD

6.1.1. Before use ensure the transmission weight and size do not exceed the capacity of the jack.
6.1.2. Ensure the vehicle from which the gearbox is to be removed is correctly positioned, raised and locked on an appropriate lift system.
6.1.3. Ensure there are no other persons around or under the vehicle.
6.1.4. Ensure saddle is in lowest position and use handle to transport and centrally position jack beneath vehicle transmission.
6.1.5. Hold the handles to steady the jack, operate the foot pedal and the saddle will rise (fig.3).
6.1.6. When saddle is just beneath the transmission re-adjust alignment if necessary to centralise the saddle.


Fig.4

6.2. LOWERING THE LOAD

❑ **WARNING! Ensure the load is central and stable on the jack saddle and load is fixed in place before attempting to lift, lower, or transport.**

6.2.1. **SLOWLY** turn the release valve knob anti-clockwise (fig.4) to ***GENTLY*** lower saddle to the lowest height before attempting to transport the load.
IMPORTANT: The unit is fitted with a dead man release valve. The quicker the valve knob is turned the more rapid the jack's descent. Ensure the jack's descent is slow and controlled to avoid the risk of sudden dropping which could be dangerous. The valve will automatically return to the closed position when the valve knob is released.

6.3. TRANSPORTING THE LOAD

❑ **WARNING!** Ensure you have read, understood and apply Section 1 safety instructions.

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6.3.1. Ensure the jack saddle is fully lowered and load is fixed in place before attempting to lift or transport.
6.3.2. Transport the load over level and solid ground, preferably concrete, and ensure the floor is swept clean beforehand.
6.3.3. Be diligent in continually monitoring the load in transit. Keep all other persons at a safe distance.

▲ ***DANGER! DO NOT use on tarmacadam, or any soft surface as jack may sink or topple. Serious or fatal injury may result. DANGER! If jack tips or leans STOP WHAT YOUR ARE DOING. MOVE QUICKLY TO A SAFE DISTANCE. DO NOT TRY TO HOLD OR STEADY JACK.***

NOTE: This jack may be used with appropriate adaptors in order to handle such components as rear axle units and transfer cases that are within the weight limitations of the jack.

6.4. RE-INSTALLING A GEARBOX

6.4.1. To transport, reposition beneath a vehicle, and raise a load, reverse the procedures outlined above.

7. MAINTENANCE

IMPORTANT: Only fully qualified personnel should attempt maintenance or repair.

7.1. When the jack is not in use, the saddle must be in the lowest position to minimise ram and piston corrosion.
7.2. Keep the jack clean and wipe off any oil or grease. Lubricate all moving parts with oil.
7.3. The hydraulic ram is a sealed unit and must not be accessed. For service contact your authorised service agent.
7.4. Before each use, follow the pre-check list to ensure components are in good working order. If any suspect item is found remove jack from service and take necessary action to remedy the problem.

× **DO NOT** use the jack if you believe it has been subjected to an abnormal load or shock. If in doubt contact your authorised service agent.

7.5. Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE JACK.
Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.
DO NOT RETURN JACKS TO US. *Please telephone 01284 757500 to obtain address and telephone number of your local agent. If Jack is under guarantee please contact your dealer.*
De-commissioning the Jack: Should the jack become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.

8. TROUBLESHOOTING

IMPORTANT: Although the following may identify a problem, we recommend the problem be resolved by an authorised service agent.

PROBLEM	CAUSE	SOLUTION
Jack will not lift	No hydraulic oil, or defective suction valve or delivery valve Release valve is open	Contact authorised service agent. Close release valve.
Jack will only lift halfway	Hydraulic oil low, or excess of hydraulic oil	Contact authorised service agent.
Raised load will not hold	Defective valves, or defective piston packing	Contact authorised service agent
Poor lifting	Defective plunger packing	Contact authorised service agent.

ENVIRONMENT PROTECTION
Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

REGISTER YOUR PURCHASE HERE

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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