



1 TONNE VERTICAL TRANSMISSION JACK

MODEL NO: 1000TR

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 instructions



Wear eye protection



Wear protective gloves



Wear safety footwear



Wear protective clothing



Warning!

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 YOU 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.

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 unit 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:1000TR
Base Size:..... 610 x 680mm
Capacity:.....1000kg
Fixed/Adjustable Saddle:..... Fixed

Maximum Saddle Height:..... 1950mm
Minimum Saddle Height:.....1120mm
Optional Accessories:.... ADT5 - Adjustable Gearbox Support
Ram Extensions: 1

4. ASSEMBLY

NOTE: Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately.

- 4.1. Assemble wheels as shown in the parts diagram.
- 4.2. Screw legs to the base of the stand and check that the stand is at a right angles to a horizontal plane, then tighten the leg screws.
- 4.3. Place the saddle on the end of the ram.
- 4.4. **IMPORTANT:** Remove the transportation oil plug and replace it with the operating plug (Part attached to Transportation plug but has a hole in it), identified as the Air Vent Valve in fig.1.

5. PRE USE CHECK LIST

IMPORTANT: Before EACH use, check jack is in sound working order, use following list to form a 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 | 4. All nuts and bolts | 7. Foot pump |
| 2. Pump piston | 5. All seals | 8. Swivel caster wheels |
| 3. Safety/Release control | 6. Jack main structure | 9. 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. Immediately remove from service and contact an authorised service agent.

5.1. PURGE THE HYDRAULIC CIRCUIT TO ELIMINATE ANY AIR:

- 5.1.1. Open and hold the safety release control by turning knob anti-clockwise.
- 5.1.2. Pump the foot pump up and down 15 to 20 times.
- 5.1.3. Turn the safety release control clockwise to close the valve.

6. OPERATION

- WARNING!** Before use, ensure that you have read, understood and apply the Safety Instructions in Section 1.
- WARNING!** Ensure you prepare the vehicle correctly before attempting to use the Hydraulic Transmission Jack.

6.1. POSITIONING THE JACK BENEATH THE LOAD

NOTE: Before use, ensure that the transmission weight and size does not exceed the capacity of the jack.

- 6.1.1. Ensure the vehicle from which the gearbox or transmission is to be removed is correctly positioned, raised and locked on an appropriate lift system.
- 6.1.2. Ensure that there are no other persons around, or under, the vehicle.
- 6.1.3. Ensure the saddle is in the lowest position. Use the handle to transport and centrally position the jack beneath the vehicle transmission.
- 6.1.4. Raise the saddle by pumping the jack foot pedal.
- 6.1.5. When the saddle is just beneath the transmission, re-adjust the alignment if necessary to centralise the saddle.

6.2. LOWERING THE LOAD

- WARNING!** Ensure the load is central and stable on the jack saddle and that it is fixed in place before attempting to lift, lower, or transport it.
- 6.3. Turn the safety release valve anti-clockwise. Hold in position whilst lowering.

NOTE: The 2-way hydraulic unit ensures that the saddle lowers at a controlled speed at all times, even without load.

6.4. TRANSPORTING THE LOAD

- WARNING!** Ensure you have read, understood and apply the safety instructions in Section 1.
- 6.4.1. Ensure the jack saddle is fully lowered and the load is fixed in place before attempting to lift, lower, or transport the load.
 - 6.4.2. Transport the load over level and solid ground, preferably concrete, and ensure that the floor is swept clean beforehand.
 - 6.4.3. Be diligent in continually monitoring the load in transit.
 - 6.4.4. Keep all other personnel at a safe distance.

▲ DANGER! DO NOT use on tarmacadam, or any soft surface as jack may sink or topple. Serious injury or death may result.

▲ DANGER! If the jack tips or leans, STOP WHAT YOU ARE DOING AND MOVE QUICKLY TO A SAFE DISTANCE. DO NOT TRY TO HOLD OR STEADY THE JACK. Serious injury or death may result.

6.5. RE-INSTALLING A GEARBOX

To transport, reposition beneath a vehicle, and raise a load up, 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 acid free oil.
- 7.3. The oil cylinder is a sealed unit and must not be accessed. For service contact your authorised stockist.
- WARNING! Only a good quality Jack oil, such as SEALEY HYDRAULIC JACK OIL must be used. DO NOT use brake fluid.**
- 7.4. Before each use, follow the pre-check list to ensure components are not damaged, broken, cracked, bent, malfunctioning, distorted, worn or loose.
- 7.5. Ensure there is no visible damage to welds. Refer to Section 5. If any suspect item is found, remove the jack from service and take the necessary action to remedy the problem.
- × **DO NOT use the jack if you believe it to have been subjected to abnormal load or shock.**
- 7.6. Periodically check the pump piston and piston rod for signs of corrosion.
- 7.7. Clean exposed areas with a clean oiled cloth.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE JACK.

NOTE: Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

- * **DO NOT** Return the jack to us. Please telephone 01284 757500 to obtain the address and 'phone number of your local agent. If the jack is under guarantee, please contact your local stockist.

7.8. DECOMMISSIONING

Should the jack eventually become completely unserviceable, 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, in most cases the problem must be resolved by your authorised service agent.

8.1. JACK WILL NOT LIFT

- 8.1.1. First, bleed the jack. Air bubbles can form in the hydraulic system and prevent lifting. See section 5.
- 8.1.2. Check the hydraulic fluid level. If the fluid level is low, add hydraulic fluid until it reaches the "full" mark.
- 8.1.3. Make sure the release valve is closed. The release valve is located on the side of the jack. If the release valve is open, the jack will not lift. Close the release valve by turning it clockwise.
- 8.1.4. Check for leaks. If you see any leaks, stop using the jack and contact a qualified technician for repairs.

8.2. JACK ONLY LIFTS HALFWAY

- 8.2.1. This is usually caused by low hydraulic fluid level. Check the hydraulic fluid level and add fluid as needed.
- 8.2.2. If the fluid level is correct, the jack may need to be bled. Braking can cause air bubbles to form in the hydraulic system, which can prevent the jack from lifting properly. To bleed the jack, follow the instructions in section 5.

8.3. JACK WILL NOT HOLD LOAD

- 8.3.1. Make sure the jack is properly supported. The jack should be placed on a level surface and the load should be centered on the jack pad.
- 8.3.2. Check the hydraulic fluid level. The fluid level should be between the "full" and "add" marks on the sight glass. If the fluid level is low, add hydraulic fluid until it reaches the "full" mark.
- 8.3.3. If the jack is properly supported and the fluid level is correct, the jack may need to be repaired. Contact a qualified technician for repairs.

8.4. JACK MAKES NOISE

- 8.4.1. This is usually caused by air bubbles in the hydraulic system. To bleed the jack, follow the instructions in section 5.
 - 8.4.2. If the jack is still making noise after bleeding, it may need to be repaired. Contact a qualified technician for repairs.
- NOTE:** If you are unable to troubleshoot the problem, it is best to contact a qualified technician for help.



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.



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.
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.