# 300/600/1000KG VERTICAL TRANSMISSION JACK WITH ROCKET LIFT

MODEL NO'S: **300TRQ .V3, 600TRQ .V3, 1000TRQ .V3**

**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 Safety Footwear

## 1. SAFETY

**Safety label from 300TRQ for reference**




- ❑ **WARNING!** The user shall work in accordance with the instruction handbook. The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ❑ **WARNING!** Jack shall be maintained and repaired in accordance with the manufacturer's instructions. Such maintenance and repair shall be carried out by qualified persons.
- ❑ **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. Non authorised parts may be dangerous and will invalidate the warranty.***
- ✓ Check the state of the markings and that the markings remain as they were originally supplied.
- ❑ **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 or fatal injury may result.***
- ▲ ***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. Serious or fatal injury may result.***
- ✓ Use jack in a suitable work area, keep 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.
- ✓ 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, contain and/or tie back long hair.
- ❑ **WARNING!** *Ensure load is placed level and centrally on jack saddle and is fixed in place before attempting to lift, lower or transport.*
- ✓ Ensure the jack saddle is fully lowered and is clean, dry and oil free before attempting to move the jack with or without a load.
- ✓ Diligence is required in ensuring that you continually monitor any operation until completed.
- ❑ **WARNING!** ***DO NOT*** *operate jack if any parts are damaged or missing.*
- × **DO NOT** exceed the rated capacity of the jack.
- × **DO NOT** allow untrained persons to operate the jack.
- × **DO NOT** place any part of your body within or under the jack during use.
- × **DO NOT** allowed to work under the raised load until it is secured by suitable means.
- × **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 jack wet or use 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 jack and do not use jack as a load sustaining device.
- × **DO NOT** move jack without suitable restraint on the load.
- × **DO NOT** make any modifications to the jack, and **DO NOT** adjust, or tamper with, safety valve.
- × **DO NOT** remove any labels from the jack.
- × **DO NOT** use brake fluid to top up hydraulic unit. Use Sealey hydraulic jack oil only.
- ✓ Only a qualified person should lubricate and maintain the jack.
- ✓ Before storing in safe area, ensure all parts are clean, free of grease and oil (especially saddle), and lower the saddle to the lowest position.
- ❑ **WARNING! The warnings, cautions and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.**

## 2. INTRODUCTION

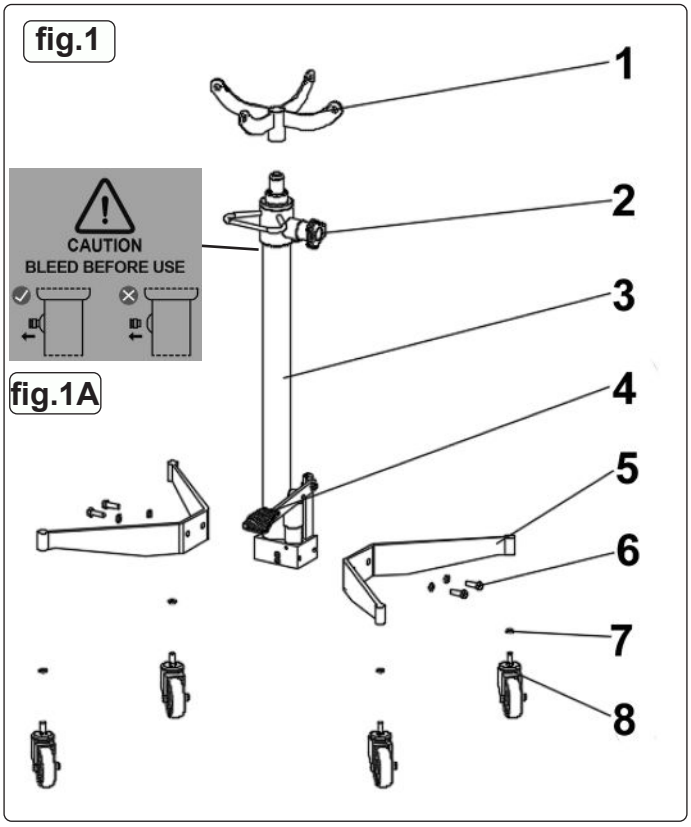
This transmission jack features Quick Lift to reduce the time and effort needed to get saddle to gearbox. Single foot pedal operation keeps hands-free during lifting process. Spring loaded dead man's safety release control reduces the risk of inadvertent lowering. 2-Way hydraulic unit ensures that the saddle lowers at a controlled speed at all times, even without load. Saddle is reversible allowing a jack pad to be fitted to support items other than transmissions. Castors and side handle make the unit easily manoeuvrable. Hydraulic unit larger than the economy models for improved performance and durability. Can be fitted with optional Adjustable Gearbox Support - Model No. ADT3.

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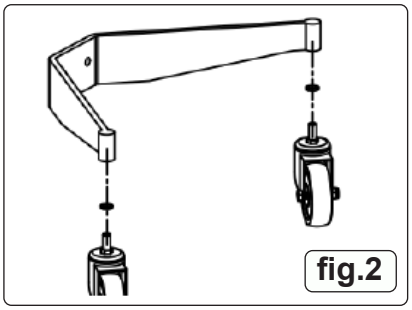
## 3. SPECIFICATION

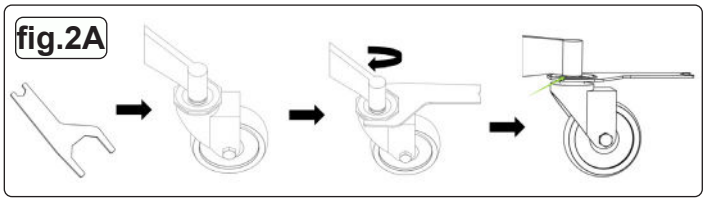
| MODEL: | 300TRQ.V3 | 600TRQ.V3 | 1000TRQ.V3 |
|---|---|---|---|
| Rated capacity: | 300kg | 600kg | 1000kg |
| Ram extensions: | 1 | 1 | 1 |
| Minimum saddle height: | 1140mm | 1146mm | 1165mm |
| Maximum saddle height: | 2000mm | 1986mm | 2010mm |
| Base size: | 515mm x 550mm | 600mm x 600mm | 660mm x 620mm |
| Fixed/Adjustable Saddle: | Fixed | Fixed | Fixed |
| Pump Strokes to Maximum Height: | 17 | 22 | 42 |

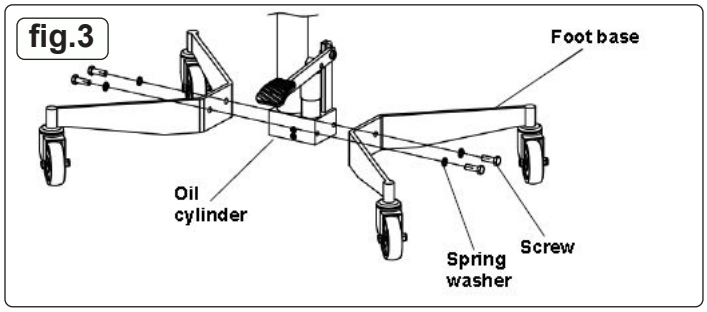
## 4. ASSEMBLY




1 Bracket assembly
2 Pressure relief knob
3 Oil cylinder
4 Pump pedal
5 Foot base (x2)
6 Wheel (x4)
7 Spring washers (x8)
8 Wheel (x4)




Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately.
**Refer also to attached Parts List**

**4.1.** **300TRQ.V3:** Fit wrench as shown in fig.2A, turn it clockwise to flatten the spring washer, locking process is complete.

**4.2.** **600TRQ & 1000TRQ:** Fit wheel 8 onto foot base 5 fig.2.

**4.3.** Use screw 6 to connect foot base 5 with the oil cylinder 3. When all four wheels touch the ground fasten screws fig.3.

**4.4.** Place bracket 1 onto the piston rod of the cylinder 3 fig.1.

**4.5.** **BLEED BEFORE FIRST USE**

**4.5.1.** **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:

**4.5.2.** Pull out the bleed valve on the cylinder fig.1A.

**4.5.3.** Hold the pressure relief knob 2 valve open by turning it anti-clockwise.

**4.5.4.** Operate lifting pedal 4 by pumping it 15 to 20 times in order to purge any air from the system.

**4.5.5.** Release the pressure relief knob 2 and the unit is ready for use.

**4.6.** **IMPORTANT: Before *EACH* use, check jack is in sound working order. Use following list to form a habitual pre-check procedure. Check unit for the following: Damage, distortion, leaning, worn or missing components.**

❑ **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.**

**THE FOLLOWING MUST ALSO BE CHECKED:**

**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 castor wheels**

## 5. 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.

**5.1.** **POSITIONING JACK BENEATH LOAD**
Before use ensure the transmission weight and size does not exceed the capacity of the jack.

**5.1.1.** Ensure the vehicle from which the gearbox is to be removed is correctly positioned, handbrake applied and raised to allow the transmission jack to be positioned correctly.

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**5.1.2.** Ensure there are no other persons around or under the vehicle.
**5.1.3.** Ensure saddle is in its lowest position and centrally position jack beneath vehicle transmission.
**5.1.4.** Hold handle to steady the jack and pump foot pedal to raise the saddle.
**5.1.5.** When saddle is just beneath the transmission re-adjust alignment if necessary to centralise the saddle. Continue to pump the foot pedal until saddle locates on the transmission.

**5.2. LOWERING THE LOAD**

❑ **WARNING!** Ensure the load is central and stable on the jack saddle and is fixed in place before attempting to lift, lower, or transport. **Turn the jack release valve fig1.2, to lower the saddle to the minimum height before attempting to transport load.**

❑ **IMPORTANT:** The unit is fitted with a safety device which permits the load to be lowered smoothly by automatically controlling the speed at a rate dependant upon the weight of the load.

**5.3. TRANSPORTING THE LOAD**

❑ **WARNING!** Ensure you have read, understood and apply Section 1 Safety Instructions.

**5.3.1.** Ensure the jack saddle is fully lowered and load is fixed in place before attempting to lift, or transport.
**5.3.2.** Transport the load over level and solid ground, preferably concrete, and ensure the floor is swept clean beforehand.
**5.3.3.** 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.

**5.4. RE-INSTALLING A GEARBOX**
Reposition beneath vehicle and raise the load up, reversing the procedures outlined above.

## 6. MAINTENANCE

**6.1.** When the jack is not in use, the saddle must be in the lowest position to minimise ram and piston corrosion.
**6.2.** Keep the jack clean and wipe off any oil or grease. Lubricate all moving parts with acid free oil.
**6.3.** 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 load. If in doubt contact your local service agent.

**6.4.** Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.
***IMPORTANT: All other maintenance and repair (including oil change) must only be undertaken by fully qualified personnel. Contact your local authorised service agent.***

**6.5.** To check and top-up the oil, remove oil plug. The oil level should be just below the oil plug hole - with the saddle in the lowest position.

❑ **WARNING! Only a good quality hydraulic jack oil, such as SEALEY HYDRAULIC JACK OIL should be used, DO NOT use brake fluid. DO NOT overfill as this will render the jack inoperative.**
Capacity: 1000TRQ: 1.2L, 600TRQ 1L, 300TRQ 0.7L
***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 'phone number of your local agent. If Jack is under guarantee please contact your Sealey stockist.*
**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.

## 7. TROUBLESHOOTING

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| Jack will not lift. | No hydraulic oil, or defective suction valve or delivery valve.<br>Release valve is open. | Contact authorised service agent.<br>Close release valve. |
| Jack will only lift halfway. | Hydraulic oil low, or excess 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. |

**IMPORTANT!** Although the following may identify a problem, we recommend the problem be resolved by an 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.

**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 24 months from purchase date, proof of which is required for any claim.

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