# 300KG VERTICAL TRANSMISSION JACK
# 500KG VERTICAL TRANSMISSION JACK

MODEL NO'S: **300ETJ.V2, 500ETJ.V2**

**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 | Wear eye protection | Wear protective gloves

## 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. Non authorised 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 personal 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. Serious personal or fatal injury may result.***

✓ Use jack in an adequate working area for its function, keep area clean & 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, and contain and/or tie back long hair.

❑ **WARNING!** Ensure load is placed level and centrally on jack saddle and load is fixed in place before attempting to lift, lower, or transport.

✓ The lowering speed will vary according to the weight of the load and the release valve setting.

✓ 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** 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 if tired, 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** use jack for any purpose other than removal, transportation, installation of transmissions.

× **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. If labels are damaged or unclear replace them.

✓ Use a qualified person to lubricate and maintain the jack.

× **DO NOT** use brake fluid to top up hydraulic unit. Use Sealey hydraulic oil ONLY. **(Part No: HJO500MLS or HJO5LS)**

✓ Before storing in safe area, ensure all parts are clean, free of grease and oil (especially saddle).




## 2. INTRODUCTION

Manufactured to exacting standards and suitable for general workshop applications. Models feature dead man's handle for added safety and strong construction for durability. These economy hydraulic units are slightly smaller than other models in the range and can be fitted with Adjustable Gearbox Support - check specification in table.

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## 3. SPECIFICATION

| | |
|---|---|
| **MODEL** | **300ETJ.V2/500ETJ.V2** |
| Rated Capacity | 300kg/500kg |
| Ram Extensions | 1 |
| Minimum Saddle Height | 1075mm |
| Maximum Saddle Height | 1895mm |
| Base Size | 535 x 585mm |
| Fixed/Adjustable Saddle | Fixed |
| Optional Accessories: | |
| Adjustable Gearbox Support | ADT7 |



**ADT7 - SOLD SEPARATELY**

## 4. ASSEMBLY

**Refer to attached Parts List**

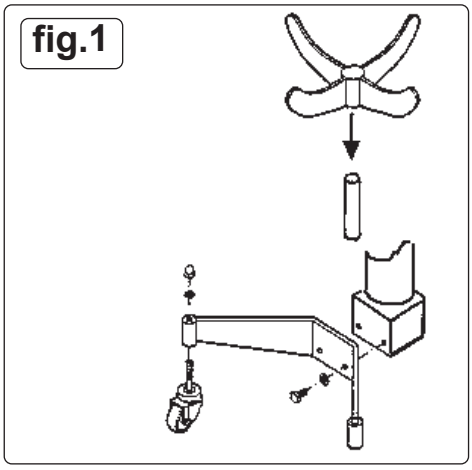
**4.1.** Unpack the product and check contents. Should there be any damaged or missing parts contact your Sealey stockist immediately.

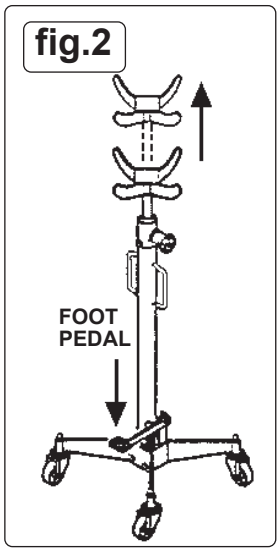
4.2. Assemble wheels as in (fig.1), for both sides of the jack base.

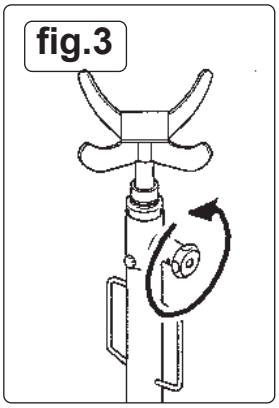
4.3. Screw legs to base of the stand and check that the stand is at a right angle to a horizontal plane, then tighten the leg screws.

4.4. Place the saddle on the end of the hydraulic ram.

4.5. The transmission jack is now ready for use.




## 5. PRE-USE CHECK LIST

**5.1.** **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. 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 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. Immediately remove from service and contact your authorised service agent.

5.2. **IMPORTANT:**

5.2.1. 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:
Open the release valve by turning knob anti-clockwise (fig.3) and hold the valve open.
Operate the foot pedal 15 to 20 times.
Release the valve (which will turn clockwise to close the valve).

## 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 does not exceed the capacity of the jack.

6.1.2. 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.

6.1.3. Ensure there are no other persons around or under the vehicle.

6.1.4. Ensure saddle is in its lowest position and use handle to transport and centrally position jack beneath vehicle transmission.

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6.1.5. Pump the jack foot pedal and the saddle will rise (fig.2).
6.1.6. When saddle is just beneath the transmission re-adjust 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 load is fixed in place before attempting to lift, lower, or transport. SLOWLY** turn the release valve knob anti-clockwise (fig.3) to ***GENTLY*** lower saddle to the lowest minimum height before attempting to transport 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.
6.2.1. 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 knob is released.
6.3. **TRANSPORTING THE LOAD**
6.3.1. Ensure the jack saddle is fully lowered and load is fixed in place before attempting to lift, lower, 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 personal 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 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 service agent.
❑ **WARNING!** Only a good quality Jack oil, such as **SEALEY HYDRAULIC JACK OIL (Part No: HJO500MLS or HJO5LS)** must be used, **DO NOT** use brake fluid.
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 'phone 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 |
|---|---|---|
| **Refer to item 5.2 and follow instructions for purging the hydraulic circuit** | | |
| Jack will not lift | No hydraulic oil, or defective suction 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 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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