



INSTRUCTIONS FOR:  
**FLOOR TRANSMISSION JACK**  
 Model: **800CE**

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!** ENSURE YOU READ AND UNDERSTAND THESE INSTRUCTIONS FULLY BEFORE ATTEMPTING TO USE THE JACK. NOTE THE SAFE OPERATIONAL REQUIREMENTS, DANGERS, WARNINGS & CAUTIONS. USE THE JACK CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. **WARNING!** FAILURE TO APPLY THESE INSTRUCTIONS MAY CAUSE *DAMAGE OR SERIOUS PERSONAL, OR FATAL, INJURY*. FAILING TO FOLLOW INSTRUCTIONS WILL ALSO INVALIDATE YOUR WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

**NOTE:** The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

## 1. SAFETY INSTRUCTIONS

- 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-authorized 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.*
- ✓ Use jack in a suitable working 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 and 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.
- ✓ 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 transport the jack.
- ✓ Fix load with restraint chains provided. Do not substitute an inferior form of restraint for these chains.
- ✓ Diligence is required in ensuring that you continually monitor the operation until completed.
- ✓ Should the jack emit any abnormal sounds during use STOP immediately and contact your local service agent.
- ▲ **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 personal, or fatal, injury may result.*
- WARNING!** DO NOT operate jack if any parts are damaged or missing .
- x DO NOT exceed the rated capacity of the jack.
- x DO NOT allow untrained persons to operate the jack.
- x DO NOT place any part of your body within, or under, the jack during use.
- x DO NOT raise or lower vehicle lifting platform whilst the transmission jack is being used.
- x DO NOT transport the jack, with or without a load, with the saddle in the raised position.
- x DO NOT get jack wet or use in damp or wet locations or areas where there is condensation.
- x DO NOT operate the jack when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- x DO NOT lift or support vehicles with jack and do not use jack as a load sustaining device.
- x DO NOT use jack for any purpose other than removal, transportation and installation of transmissions.
- x DO NOT use jack without restraint chains and do not replace the chains with an inferior form of restraint.
- x DO NOT make any modifications to the jack, and DO NOT adjust or tamper with the safety valve.
- x 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 in the hydraulic unit. Use Sealey hydraulic jack oil only.
- ✓ Before storing in safe area, ensure all parts are clean, free of grease and oil, (especially saddle) and that saddle is in lowest position.

## 2. INTRODUCTION & SPECIFICATION

Your transmission jack has been manufactured to a high specification and is equipped with saddle pitch and tilt facilities and precision valves which allow accurate adjustment and control when lowering the transmission from a vehicle.

### 2.1. SPECIFICATIONS:

Rated capacity . . . . . 800kg	Saddle left/right tilt . . . . . 12°
Saddle height (minimum) . . . . . 210mm	Saddle width . . . . . 250-345mm
Saddle height (maximum) . . . . . 755mm	Saddle length . . . . . 352mm
Hydraulic lift . . . . . 545mm	Base length x height x width . . . . 845x225x495mm
Saddle forward/backward pitch . . . . . 18°	Weight . . . . . 60kg

### 2.2. BEFORE FIRST USE

**IMPORTANT: BEFORE THE FIRST USE OF JACK REMOVE TRANSIT PLUG AND PURGE AIR FROM THE HYDRAULIC CIRCUIT.**

2.2.1. Remove the transit screw plug from the top of the hydraulic cylinder and replace with the drilled breather/filler plug which is attached to it. Retain original plug for any future transportation.

2.2.2. To eliminate any air that may have accumulated during transit, purge the hydraulic circuit as follows:  
 Open the release valve by turning release knob on hydraulic unit anti-clockwise.  
 Pump the jack handle up and down 15 to 20 times.  
 Turn the release knob clockwise to close the valve.

### 3. PRE-USE CHECKS

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

- |                                |                                       |                             |
|--------------------------------|---------------------------------------|-----------------------------|
| 1. . . .Saddle attachments     | 6. . . .Cylinder/Hydraulic unit       | 11. . .Pump handle          |
| 2. . . .Saddle base            | 7. . . .Stopper rings and cotter pins | 12. . .Swivel caster wheels |
| 3. . . .Saddle pitch mechanism | 8. . . .All nuts and bolts            | 13. . .Chains and mountings |
| 4. . . .Saddle tilt screws     | 9. . . .All seals                     | 14. . .Welds                |
| 5. . . .Piston rod             | 10. . .Jack main frame                |                             |

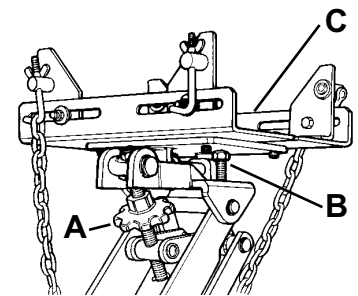
- WARNING! DO NOT use jack if any suspect part is found, or if believed to have been subjected to abnormal load or shock. Immediately remove from service and contact your authorised service agent.**

### 4. OPERATING INSTRUCTIONS

#### 4.1. SADDLE TILT MECHANISM.

Adjusting the pitch and tilt of saddle will assist you to safely support the gearbox. The saddle (C) may be pitched forward, or backward, up to 18° by turning handle (A) and tilted to the left or right up to 12° by adjusting screws (B).

**NOTE:** After adjusting left/right tilt **always** ensure that **both** adjustment screws (B) are in firm contact with the underside of the saddle, to prevent potentially dangerous movement during use.



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

#### 4.2. POSITIONING JACK BENEATH LOAD.

Before use ensure the transmission weight and size does not exceed the capacity of the jack.

- 4.2.1. Ensure the vehicle from which the transmission is to be removed is correctly positioned, raised and locked on appropriate lift system.
- 4.2.2. Ensure there are no other persons around or under the vehicle.
- 4.2.3. Ensure saddle is in lowest position and use handles to move and centrally position jack beneath transmission.
- 4.2.4. Close the jack release valve by turning control knob clockwise (control is mounted on the hydraulic unit).
- 4.2.5. Pump the jack handle up and down to raise saddle.
- 4.2.6. When the saddle is just beneath the transmission re-adjust alignment if necessary to centralise the saddle.
- 4.2.7. Make any necessary saddle pitch, tilt and width adjustments for final positioning.
- 4.2.8. Position the chain attachments correctly for further security.
- 4.2.9. Check all saddle attachment/adjustment nuts and bolts are tight before loading.

#### 4.3. LOWERING THE LOAD.

- WARNING! Ensure the transmission is central and stable on the saddle before attempting to lower. SLOWLY** turn the release valve knob anti-clockwise to **GENTLY** lower the saddle to the lowest height.
- \* **IMPORTANT:** Speed of lowering is controlled by release valve. The quicker the valve knob is turned the more rapid the descent. Ensure descent is slow and controlled to avoid the risk of sudden dropping which would be very dangerous.

#### 4.4. TRANSPORTING THE LOAD.

- WARNING! Ensure you read, understand and apply Section 1 safety instructions.**
- 4.4.1. Ensure the jack saddle is fully lowered, then secure the load by placing the restraint chains over the transmission, pulling taut and engaging with hooks. Tighten wing nuts.
  - 4.4.2. Transport the load over level and solid ground, preferably concrete, and ensure the floor is swept clean.
  - 4.4.3. Be diligent and continually monitor 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. Serious personal or fatal injury may result.**

#### 4.5. RE-INSTALLING TRANSMISSION.

To transport, reposition beneath vehicle and raise transmission, reverse the procedures outlined above.

## 5. MAINTENANCE

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

- 5.1. When the jack is not in use, the saddle and handle should be in the lowest positions to minimise ram and pump piston corrosion. Turn the handle back to its storage position for safety.
- 5.2. Keep the jack clean and wipe off any oil or grease. Lubricate all moving parts with acid free oil and grease pitch mechanism and main pivot (grease nipple) regularly.
- 5.3. With jack in lowest position oil level should be up to top of ram, as viewed through oil filler hole. For service contact your authorised dealer.
- ☐ **WARNING! Use only a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL. DO NOT use brake fluid.**
- 5.4. Before each use ensure the jack is in good working order by carrying out the 'Pre-use Checks' detailed in Section 3. If any suspect item is found, remove jack from service and take necessary remedial action.  
DO NOT use the jack if it is believed to have been subjected to abnormal load or shock. Inspect and take appropriate action.
- 5.5. Periodically check the pump piston and ram for signs of corrosion. Clean exposed areas with a clean oiled cloth.

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

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.

## 6. TROUBLESHOOTING

**IMPORTANT!** Although the following may identify a problem, in most cases the problem must be resolved by your authorised service agent.

THE PROBLEM	THE CAUSE	THE SOLUTION
Jack will not lift	No hydraulic oil, or defective suction valve or delivery valve Release valve is open	Check oil level, contact authorised service agent. Close release valve.
Jack will only lift halfway	Hydraulic oil low, or excess of hydraulic oil	Check and adjust oil level.
Raised load will not hold	Defective valves, or defective piston packing	Contact authorised service agent.
Poor lifting	Defective plunger packing	Contact authorised service agent.
Saddle pitch knob too tight	Threads or mechanism may be damaged or corroded	Check, clean, oil or replace items.

**Declaration of Conformity** We, the sole importer into the UK, declare that the product listed below is in conformity with the following EEC standards and directives.

**Floor Transmission Jack  
Model 800CE**

89/392/EEC Machinery Directive  
(S.I. 1992/3073)  
93/68/EEC CE Marking Directive



The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

Signed by Mark Sweetman

01st April 1999

*For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery.*

**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 equipment

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue, call us on 01284 757525 and leave your full name and address, including postcode.



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