



# 1.8 TONNE ALUMINIUM LOW PROFILE TROLLEY JACK WITH ROCKET LIFT

MODEL NO: **RJA1800.V4**

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.



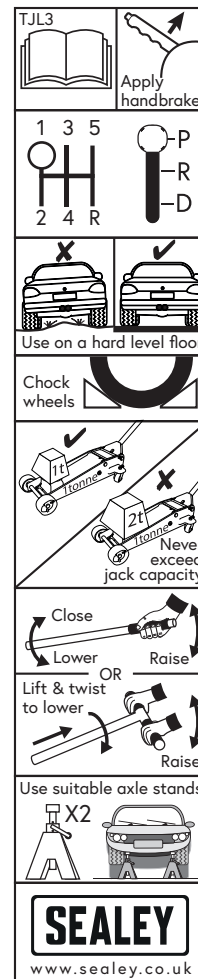
Refer to instructions



Wear safety footwear

## 1. SAFETY

- ✓ Use jack only in accordance with this instruction manual.
- ✓ Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts. Use genuine parts only. **DO NOT** modify the jack. The use of non-genuine parts may be dangerous and will invalidate the warranty.
- ✓ Locate the jack in a suitable, well lit working area.
- ✓ Keep working area clean and tidy and free from unrelated materials. Use jack on level and solid ground, preferably concrete. Avoid tarmac/adam as jack may sink in.
- ✓ Chock wheels of vehicle.
- ✓ Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or "PARK" if automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc. to allow for vehicle tilting.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Ensure there are no passengers in the vehicle.
- ✓ The operator of the jack must watch the jack and the load during all movements.
- ✓ Place jack under only those lifting points recommended by vehicle manufacturer (see vehicle handbook).
- ✓ Check that the lifting point is stable and centred on the jack saddle.
- ✓ Ensure the jack wheels are free to move and that there are no obstructions.
- ▲ **DANGER:** Use the jack for lifting only, **NOT** for supporting the lifted load.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- ✓ Use suitable axle stands under the vehicle before proceeding with any task.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ Ensure that only hydraulic jack oil is used in the jack.
- \* **DO NOT** operate the jack if damaged.
- \* **DO NOT** allow untrained persons to operate the jack.
- \* **DO NOT** operate the jack when tired or under the influence of drugs, alcohol or intoxicating medication.
- \* **DO NOT** exceed the rated capacity of the jack.
- \* **DO NOT** allow the vehicle to move during lifting or lowering, or use the jack to move the vehicle.
- \* **DO NOT** jack vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- \* **DO NOT** work under the vehicle until appropriately rated axle stands have been correctly positioned.
- \* **DO NOT** use the jack for purposes other than that for which it is intended.
- \* **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only. (Sealey Part No: HJO500MLS or HJO5LS)
- \* **DO NOT** adjust the safety overload valve.
- ✓ When not in use store jack, fully lowered, in a safe, dry, childproof area.
- ✓ When lifting a load at the jack's max. rating, or close to it, it is recommended that the effort of raising the load shall be reduced by the use of assistance during this operation.



## 2. INTRODUCTION

Made primarily for the motor racing enthusiast, this jack weighs in at just 18.1kg. Utilises many weight saving techniques such as a skeletal lift arm. Features Rocket Lift by use of twin pistons, bringing saddle to maximum height in minimal pumps. Polyurethane wheels for smooth and quiet manoeuvring, which also limits damage to garage floors. Lifting bars are fitted either side of the anodised aluminium chassis enabling fast, lightweight pick-up.

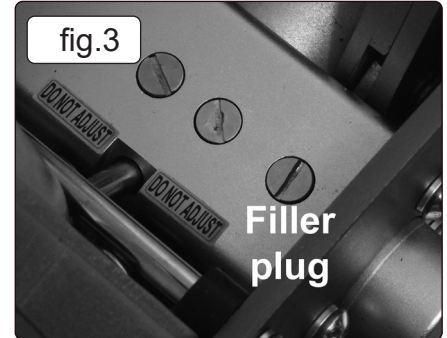
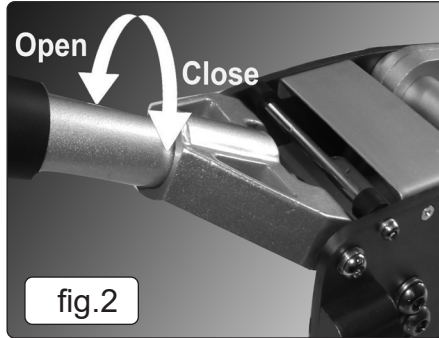
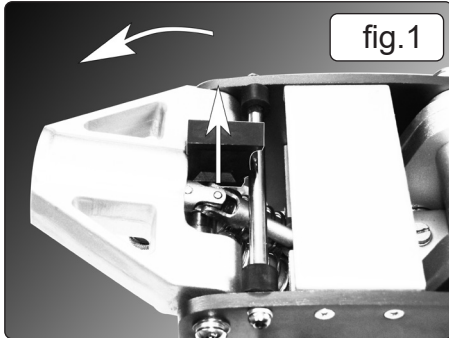
## 3. SPECIFICATION

Model No:.....**RJA1800.V4**  
 Standard: ..... EN1494  
 Capacity:..... 1.8tonne  
 Consumable Parts: ....Replacement Rubber Jack Pad - JP12  
 Length:..... 710mm  
 Max. Chassis Height: ..... 155mm  
 Max. Saddle Height:..... 425mm

Min. saddle Height: ..... 85mm

## 4. ASSEMBLY

- 4.1. Remove the retaining wedge prior to assembling the jack handle. Press the handle socket downwards and pull out the wedge holding the pump yoke down (fig.1). Retain the wedge for future transportation.
- 4.2. Insert the upper handle into the lower handle. The locking ball will lock the two pieces together.
- 4.3. Loosen the handle retaining screw from the handle socket.
- 4.4. Insert the pump handle into the handle socket, fully engaging the universal joint of the release valve.
- 4.5. Ensure that the handle is correctly inserted into the socket, then tighten the handle retaining screw.
- 4.6. **PURGE HYDRAULIC SYSTEM**
  - 4.6.1. Open the release valve by turning the handle one full turn anti-clockwise.
  - 4.6.2. Pump the handle a minimum of twenty full strokes.
  - 4.6.3. Close the release valve by turning the handle clockwise.



## 5. OPERATION

- **WARNING!** Before use, ensure that you have read, understood and apply Section 1 safety instructions.  
**IMPORTANT:** Before use, the operator is to visually inspect the jack for cracked welds, damaged or missing parts or hydraulic leaks.  
**IMPORTANT SAFETY WARNING: ALWAYS USE AXLE STANDS**  
Please remember a trolley jack is a lifting device and is not designed to support a load. Never get underneath a vehicle supported only by a jack - your life is at risk. We stock a comprehensive range of axle stands - please see the Sealey website for full details.

### 5.1. RAISING A VEHICLE

- 5.1.1. Ensure that the jack and the vehicle are on a hard, level surface.
- 5.1.2. Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or "PARK" if automatic).
- 5.1.3. Consult the vehicle manual to determine the location of the jacking points. Position the jack under a suitable jacking point.
- 5.1.4. Turn the release valve clockwise to the closed position (fig.2). **DO NOT** over-tighten.
- 5.1.5. Raise the vehicle to the desired height by pumping the handle up and down.
- 5.1.6. Place axle stands beneath the locations recommended by the vehicle manufacturer.
- 5.1.7. Turn the release valve slowly counter-clockwise to lower the vehicle on to the axle stands.

### 5.2. LOWERING A VEHICLE

- 5.2.1. Turn the release valve clockwise to the closed position.
  - 5.2.2. Pump the handle to raise the vehicle off the axle stands.
  - 5.2.3. Remove the axle stands from beneath the vehicle.
  - 5.2.4. Turn the release valve slowly counter-clockwise to lower the vehicle to the ground in a controlled manner.
- NOTE:** When not in use, **ALWAYS** leave the saddle and ram fully retracted.

## 6. MAINTENANCE

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

### 6.1. MONTHLY MAINTENANCE

- 6.1.1. Lubrication is critical to jacks, since they support heavy loads. Any restriction due to dirt or rust can cause either slow jack movement, or extremely rapid jerks, causing damage to the internal components. To keep the jack well lubricated, carry out the following steps:
  - 6.1.2. Lubricate the ram, the linkages and the saddle and pump mechanism with light oil.
  - 6.1.3. Grease the wheel bearings and axles.
  - 6.1.4. Lubricate the castors with light oil.
  - 6.1.5. Keep all jack surfaces and warning labels clean.
  - 6.1.6. Check and maintain the ram oil level (Section 6.3).

### 6.2. THREE MONTHLY MAINTENANCE

- 6.2.1. At three monthly intervals, check the ram for any signs of rust or corrosion. Clean the ram as required and wipe with an oiled cloth.

### 6.3. CHECKING OIL LEVEL

- 6.3.1. Fully retract the ram by turning the release valve counter-clockwise.
- 6.3.2. With the jack in a level position, remove the oil filler plug (fig.3)
- 6.3.3. The oil should be level with the bottom of the oil filler hole. If it is not, top up with clean hydraulic jack oil. (Sealey Part No: HJO500MLS or HJO5LS)
- 6.3.4. Replace the oil filler plug and check the jack operation.
- 6.3.5. Purge air from the hydraulic unit as required. Refer to Section 4.6.

**NOTE:** Always store the jack in the fully lowered position. This will protect critical areas from excessive corrosion.

**IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.**

Owing to their size and weight, hydraulic products should ideally be repaired by local service agents. We have service / repair agents in most parts of the UK. Before returning your product please call our technical helpline on **01284 757505** for advice and trouble shooting guidance.

*If the jack is under guarantee please contact your stockist.*

Should the jack become completely unserviceable and require disposal, draw off the oil into an approved container, dispose of the jack and oil according to local regulations.

## 7. TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
Jack will not lift to full height	Oil level low	Check / top up oil level
Jack will not hold the load	Release valve not closing	Contact authorised service agent
	Hydraulic jack oil is contaminated	
	Pump valves not sealing	
Lift arm will not lower	Cylinder ram binding	Contact authorised service agent
	Parts worn	
	Internal component damage	
	Broken or unhooked return spring	
	Lift arm linkage either bent or binding	
Jack feels spongy when lifting	System requires purging	Refer to air purge procedure in Section 4.6



### 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](mailto:technical@sealey.co.uk) or 01284 757505.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 36 months from purchase date, proof of which is required for any claim.

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