



# HYDRAULIC COIL SPRING COMPRESSOR

MODEL NO: **VS7011.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  
instruction  
manual



Wear protective  
gloves



Wear a face  
shield

## 1. SAFETY

- ☐ **WARNING!** Wear approved safety eye protection (standard spectacles are not adequate).
- ☐ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ☒ **DO NOT** allow untrained persons to use the spring compressor.
- ☒ **DO NOT** operate the spring compressor when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ☒ **DO NOT** use the spring compressor for a task it is not designed to perform.
- ☒ **DO NOT** operate spring compressor if parts are damaged or missing as this may cause failure and/or personal injury.
- ☒ Maintain the spring compressor in good condition. Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ☒ Remove ill fitting clothes. Remove ties, watches, rings, other loose jewellery. Contain and/or tie back long hair.
- ☒ Familiarise yourself with the applications, limitations and potential hazards of the spring compressor.
- ☒ Keep the work area clean, uncluttered and ensure there is adequate lighting.
- ☒ Keep hands and body clear of the spring when operating the spring compressor.
- ☒ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ☒ Keep the spring compressor clean for best and safest performance.
- ☒ When not in use release pressure from the spring compressor.
- ☒ Wear appropriate protective clothing.
- ☒ When not in use clean and store the spring compressor in a safe, dry, childproof location.

## 2. INTRODUCTION

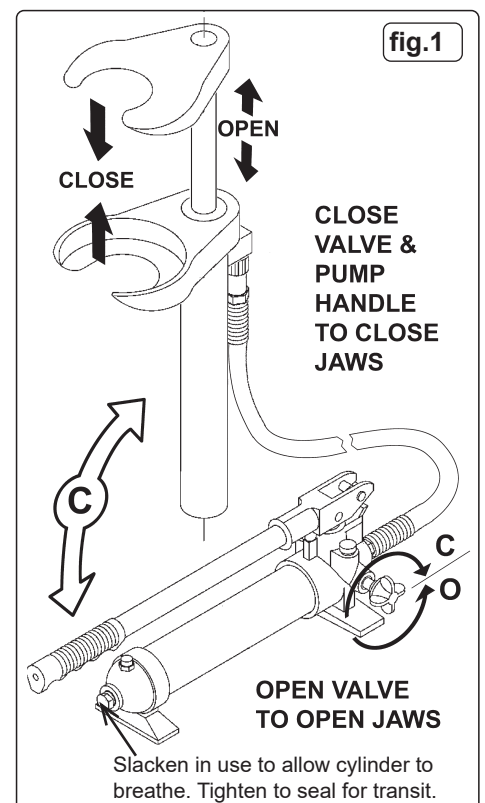
Faster spring compression, up to 50% quicker operation compared to conventional ratchet-driven compressors. The hydraulic hand pump powers a robust 1000kg capacity ram and yoke assembly. Supplied with two pairs of spring yokes featuring plasticised covers to reduce slippage and protect spring surfaces. Suitable for coil springs ranging from Ø80mm internal diameter to Ø165mm external diameter. Engineered to withstand frequent operation in busy professional automotive workshops.

## 3. SPECIFICATION

Model no: .....**VS7011.V4**  
Weight: .....20kg  
Maximum Extension: .....260mm  
Piston Travel: .....100mm  
Yoke Specification:  
Size: ..... Capacity (Spring Diameter):  
Small: ..... Ø80-122mm (x2)  
Large: ..... Ø110-165mm (x2)

## 4. ASSEMBLY

- 4.1. Connect the hose to the ram unit as shown in fig.1. Ensure the hose connectors are fully seated but **DO NOT** over tighten. see fig.1 for valve operation.
- 4.2. Ensure the jaws are fully screwed down.



## 5. OPERATION

- ❑ **WARNING!** Measure the outer diameter of the spring to be compressed and select the correct set of jaws.
- ▲ **DANGER! DO NOT** compress the spring to an extent where the coil windings touch. (see fig.2-A)
- ✓ Ensure that the centre line of the spring remains parallel to the compressor body at all times. This applies to both straight springs and conical springs. The spring should not be touching the piston or body of the compressor. (see fig.2-B)
- ✓ Secure the strut with a clamp, vice or other adequate holding device.
- ✓ Before use check compressor assembly for signs of damage and particularly ensure jaws are in good condition and securely mounted.

### 5.1. TO COMPRESS A STRUT REMOVED FROM A VEHICLE.

- 5.1.1. Screw the selected jaws onto the ram body and the piston respectively. Ensure that the recessed sides of the jaws are facing each other.
- 5.1.2. Slacken the breather plug to allow the cylinder to breathe on the low pressure side of the piston.
- 5.1.3. Operate the pump handle (see fig.1) to drive the jaws together to the approximate length of the spring and to allow compression of as many windings as possible.
- 5.2. Place the spring strut compressor onto the spring, ensuring the spring seats correctly into both the upper and the lower jaws and cannot slide out during compression. (see fig.2-D & E)
- 5.2.1. Ensure that the centre lines of the spring and compressor body are parallel. (see fig.2).
- 5.2.2. Operate the pump handle (see fig.1) and compress the spring until the upper support bearing is free and the spring will rotate.

### 5.3. TO DECOMPRESS A STRUT REMOVED FROM A VEHICLE.

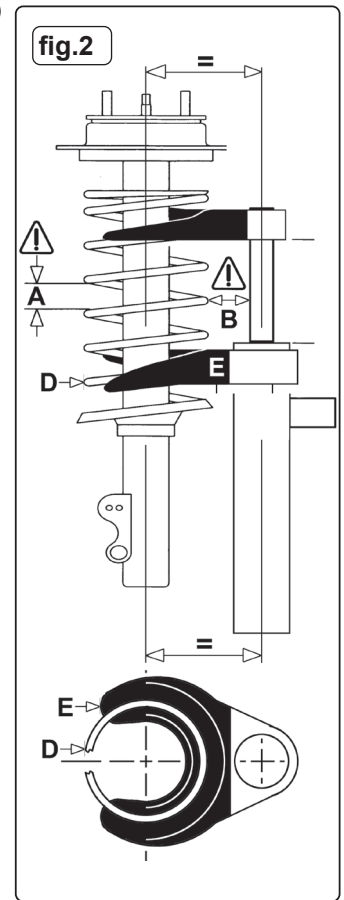
- 5.3.1. To decompress the spring, open the valve slowly to open the jaws (fig.1).
- 5.3.2. Tighten the breather plug after use to avoid accidental oil leakage in transit.

## 6. MAINTENANCE

- 6.1. Before each use check the compressor to ensure it is not damaged or worn. If suspect **DO NOT** use the unit, but contact your local Sealey stockist who will be able to advise you.
- 6.2. After use, release the hydraulic pressure and grease the piston rod using LM grease.
- 6.3. Keep the compressor clean, and when not in use store in a safe, dry, childproof location.

## 7. END OF LIFE

- 7.1. Dispose of components and fluids in accordance with local, regional and national regulations..



### 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 12 months from purchase date, proof of which is required for any claim.



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Jack Sealey Ltd t/a Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk, IP32 7AR UK  
Jack Sealey (EU) Ltd t/a Sealey Group, Farney Street, Carrickmacross, Co. Monaghan, A81 PK68 Ireland  
Tel: 01284 757500 • Email: [sales@sealey.co.uk](mailto:sales@sealey.co.uk) • Web: [www.sealey.co.uk](http://www.sealey.co.uk)