

INSTRUCTIONS FOR HYDRAULIC COIL SPRING COMPRESSOR

Model: **VS7011**



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INSTRUCTIONS FOR
HYDRAULIC COIL SPRING COMPRESSOR
MODEL: **VS7011**

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 AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ▲ **DANGER!** Stop compressing the spring before the coil windings touch, fig.2.A.
- ☐ **WARNING!** Wear approved safety eye protection (standard spectacles are not adequate).
- ☐ **WARNING!** Measure the outer diameter of the spring to be compressed and select the correct set of jaws.
- ☐ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ✗ DO NOT force the spring compressor to achieve a task it was not designed to perform.
- ✗ DO NOT allow untrained persons to use the spring compressor.
- ✗ DO NOT operate spring compressor if parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ DO NOT operate the spring compressor when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- ✓ Familiarise yourself with the applications, limitations and potential hazards of the spring compressor.
- ✓ 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.
- ✓ 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.
- ✓ Remove ill fitting clothes. Remove ties, watches, rings, other loose jewellery. Contain and/or tie back long hair.
- ✓ Wear appropriate protective clothing.
- ✓ Keep the spring compressor clean for best and safest performance.
- ✓ When not in use release pressure from the spring compressor.
- ✓ When not in use clean and store the spring compressor in a safe, dry, childproof location.

2. INTRODUCTION

2.1. Introduction

2.1.1. The VS7011 is supplied with a 4 ton hydraulic hand pump unit that powers the ram and yoke assembly. Up to 50% quicker than using other ratchet driven spring compressors. Equipped with 2 pairs of spring yokes with plasticised covers to prevent slippage and damage to springs. Suitable for springs from Ø78mm to Ø182mm.

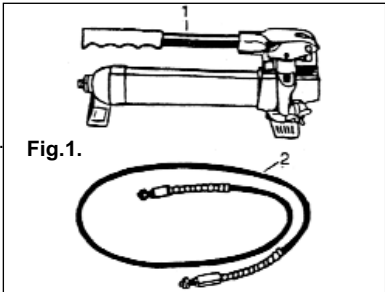
3. SPECIFICATION & PARTS

3.1. Specification

Minimum extension.....410mm Maximum extension.....620mm Piston travel.....210mm

3.2. Parts

Yoke Model No:	Size
VS7011/01	Ø78 to 135mm,
VS7011/02	Ø105 to 185mm,
VS7011/03 Optional	Ø125 to 205mm (Renault 21)
VS7011/04 Optional	Citroen/Peugeot Break rear axle.

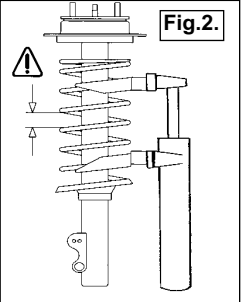


Item	Part No	Description
1	604-40	Pump
2	610-42	Hose

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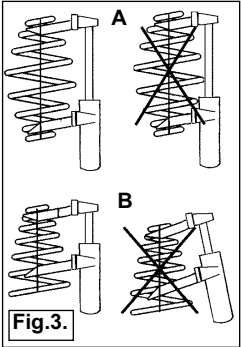
4. OPERATION

- ☐ **WARNING!** Measure the outer diameter of the spring to be compressed and select the correct set of jaws.
- ☐ **WARNING!** Do not compress the spring to an extent where the coil windings touch fig.2.
- ✓ Ensure the jaws and the body of the compressor are correctly aligned at all times during spring compression fig.3.A.. For conical springs, the centre line of the spring should remain parallel to the compressor body, fig.3.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.



4.1. To Compress a Strut Removed From a Vehicle.

- 4.1.1. Mount the selected jaws on the compressor body, fit the retaining bolts and tighten securely.
- 4.1.2. Operate the pump handle to drive the jaws together to the length of the spring and to allow compression of as many windings as possible.
- 4.1.3. Place the spring strut compressor onto the spring, ensuring the spring seats correctly and cannot slide out during compression.
- 4.1.4. Ensure the jaws and body are correctly aligned, fig.3.
- 4.1.5. Operate the pump handle and compress the spring until the upper support bearing is free and the spring will rotate.



4.2. To Decompress a Strut Removed From a Vehicle.

- 4.2.1. To decompress the spring, reverse the compress procedure.



5. MAINTENANCE

5.1. General Maintenance

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

Declaration of Conformity

We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives. The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

<p>HYDRAULIC COIL SPRING COMPRESSOR Model: VS7011 98/37/EC Machinery Directive</p>		<p>Signed by Mark Sweetman</p> 	<p>1st August 2002</p>
<p><i>For Jack Sealey Ltd. Sole importer into the UK of Sealey Professional Tools.</i></p>			

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 product.
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 and promotions, call us on 01284 757525 and leave your full name and address including postcode.

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