

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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS JACK 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. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.**

1. SAFETY INSTRUCTIONS.

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

2. INTRODUCTION & SPECIFICATION.

2.1 Introduction.

Universal device for assembly and disassembly of suspension struts. Clamp unit and self-levelling pressure beam make this unit suitable for all types of spring including cone and eccentric types. Fast and simple operation and wide range of 'first time fit' shock and spring assemblies make this unit ideal for fast fit operations.

2.2 Specification.

Working Pressure: 6-10bar
Size: 1400 x 650 x 400mm
Weight: 72kg

3. ASSEMBLY

3.1 Assembly.

The VS7012 requires minimal assembly before use.

3.1.1 Attach the feet using the supplied bolts (fig 1), ensuring that the foot control lever is fitted on the left hand side of the spring station as you face it.

Caution! It is recommended that two people are utilised for assembly, to prevent the spring station from toppling whilst fitting the feet.

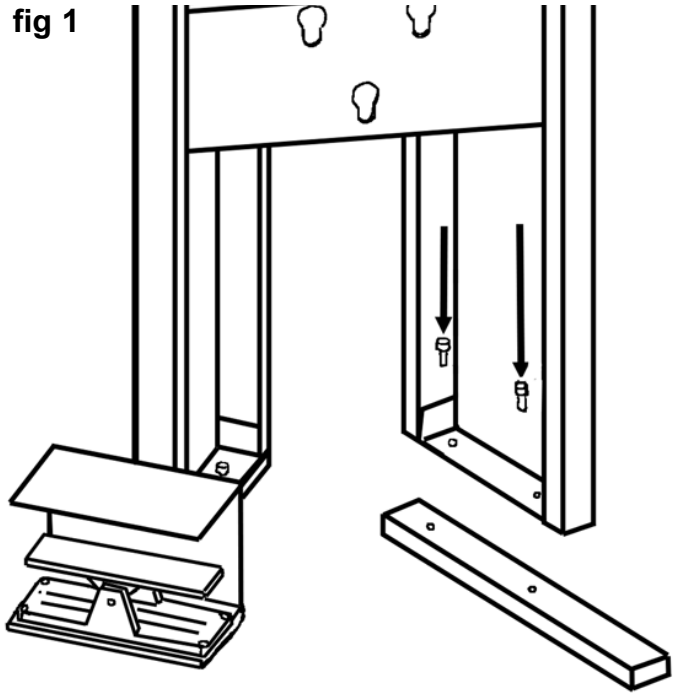
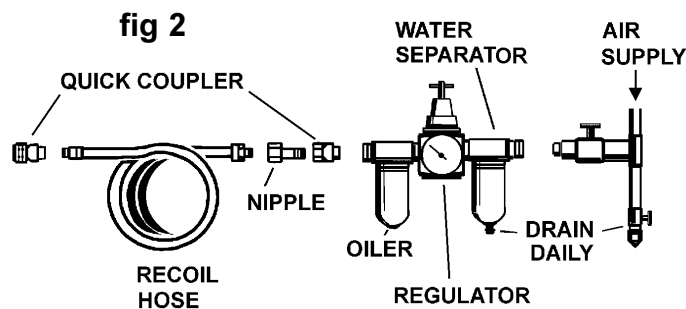


3.2. Air Supply

The recommended air hook-up procedure is shown in fig 2.

- 3.2.1 Ensure foot control lever is 'Off' before connecting to the air supply.
- 3.2.2 You will require an air pressure of 90psi.
- 3.2.3 **WARNING!** Ensure the air supply is clean and does not exceed 90 psi whilst operating the spring station. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.
- 3.2.4 Drain the air tank daily. Water in the air line will damage the ram.
- 3.2.5 Clean compressor air inlet filter weekly.
- 3.2.6 Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
- 3.2.7 Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

The strut & spring station is now ready for use.



4. INSTRUCTIONS FOR USE

4.1 To compress a strut spring.

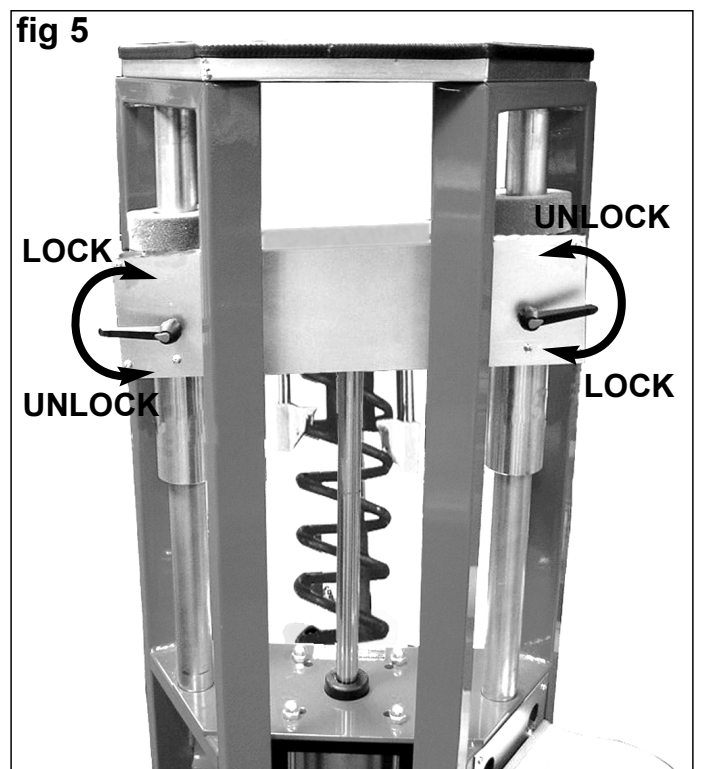
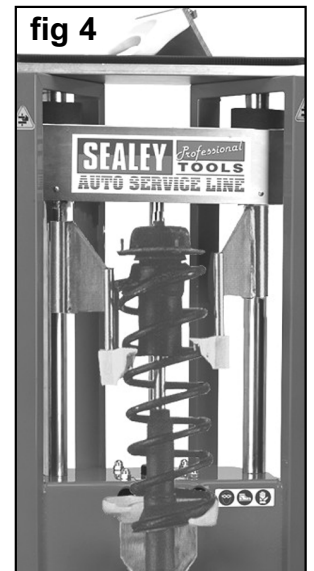
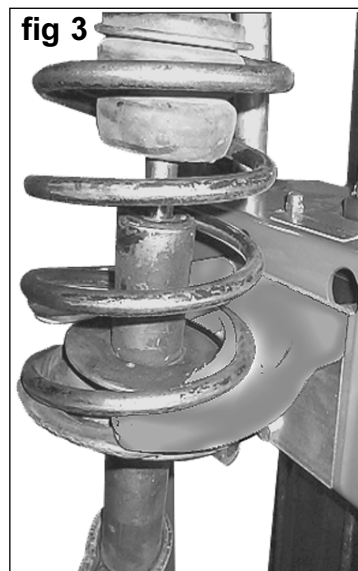
Note! Before removing the strut from the vehicle it is recommended that the upper strut locking plate nut is loosened a quarter turn. DO NOT loosen more than a quarter turn.

- 4.2 With the strut and spring removed from the vehicle, position the lowest coil of the spring in the lower bracket having selected the most suitable sized bracket according to the size of the spring.
- 4.3 Rotate the strut and spring so the coil is held as low as possible (fig.3).
- 4.4 Swing the small upper arms into position and locate the upper brackets on the uppermost available coil (fig.4). Ensure that the coil is placed inside the recesses of the brackets to ensure that the coil will not break free under compression.
- 4.5 Having found the correct position for the spring on the lower and upper brackets, tighten the locking levers at the rear of the machine (fig.5).
- 4.6 Having checked to make sure the spring is safely secured you can start to compress the coils. Gradually press the foot control pedal to start the compression stopping frequently to check the spring is securely held.

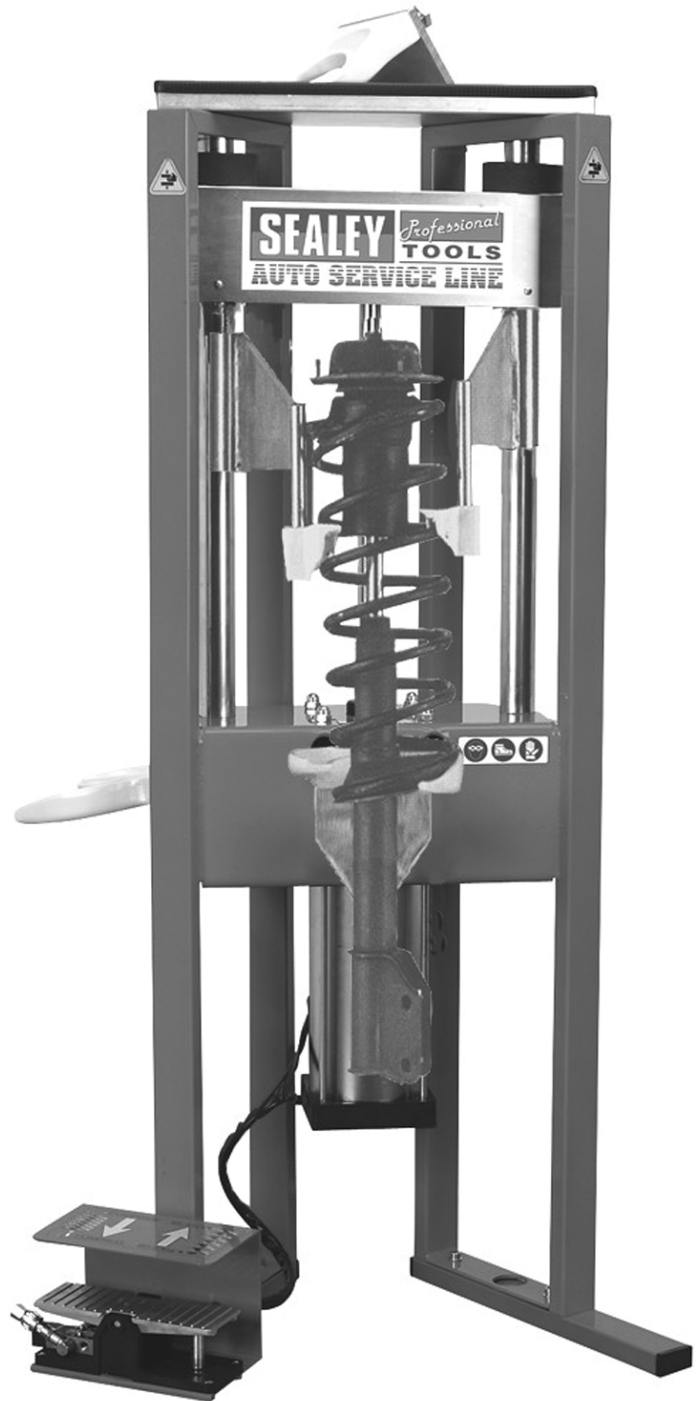
⚠ WARNING! Keep hands away from spring.

▲ DANGER! Stop compressing the spring before the coil windings touch

- 4.7 When the strut is loose within the spring, unscrew the strut locking plate nut and remove the locking plate from the top of the strut, gradually discharge the pressure on the spring by operating the control pedal and when the pressure has been released you can withdraw the strut and release the spring from the brackets.



- 4.8 To fit a new spring, offer it up to the strut & spring station brackets and fit in the same position as that of the old spring.
- Note:* You must have coils free at either end to allow them to seat on the strut plates without the strut & spring station brackets interfering.
- 4.9 Compress the spring using the foot pedal, again ensuring that the spring is securely held in place within the bracket recesses.
- 4.10 Insert the strut into the spring, fit the top locking plate and using a new nut, secure in position. Decompress the spring using the foot pedal to release the strut and spring assembly, remove assembly from the strut & spring station.
- 4.11 When the strut is replaced in the vehicle, the locking plate nut will need to be fully tightened using a torque wrench in accordance with manufacturers specifications.



5. MAINTENANCE

5.1 Normal maintenance

- 5.1.1 Before each use, check the strut & spring station to ensure it is not damaged or worn. If in any doubt DO NOT use the unit. Remove it from service immediately and contact your local Sealey dealer.
- 5.1.2 Periodically clean the sliding columns with a rag soaked with a mild detergent, dry and wipe over using a little transmission oil.
- 5.1.3 Any other maintenance required should be carried out by an authorised service agent.
- 5.1.4 If the spring station is to be idle for a long time, disconnect the air supply and discharge any air in the cylinder by depressing the foot control lever. Drop a little Sealey air tool oil into the air inlet and cover to prevent the ingress of any foreign matter.

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

**Pneumatic Strut & Spring Station
Model VS7012**

93/68/EEC CE Marking Directive
98/37/EC Machinery Directive



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.

Signed by Mark Sweetman

1st February 2005

For Jack Sealey Ltd. Sole importer into the UK of Sealey Professional Tools.

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 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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