



# MOTORCYCLE COIL SPRING COMPRESSOR

MODEL NO: VS1824

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 a face shield



Wear protective gloves



Wear safety footwear



Wear protective clothing



Warning

## 1. SAFETY

- WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- ✓ Familiarise yourself with the applications, limitations and potential hazards of this 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.
- WARNING!** Wear approved safety eye protection (standard spectacles are not adequate).
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Remove ill fitting clothes. Remove ties, watches, rings and other loose jewellery. Contain or tie back long hair.
- ✓ Wear appropriate protective clothing.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Ensure jaws are correctly engaged on spring before commencing compression.
- ▲ **DANGER!** Stop compressing the spring before it becomes coil bound.
- ✗ **DO NOT** leave compressed spring unattended.
- ✗ **DO NOT** operate spring compressor if parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** use the spring compressor for a task it was not designed to perform.
- ✗ **DO NOT** allow untrained persons to use the spring compressor.
- ✗ **DO NOT** operate spring compressor if you are tired, or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use clean and store the spring compressor in a safe, dry, childproof location.
- WARNING:** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
- ▲ **DANGER! DO NOT** compress the spring to an extent where the coil windings touch.
- ▲ **DANGER! DO NOT** compress the spring to an extent where the jaws touch.
- ✓ Ensure the jaws and the body of the compressor are correctly aligned at all times during spring compression.



ALWAYS KEEP FORCE SCREWS WELL LUBRICATED.



DO NOT USE AIR TOOLS



## 2. INTRODUCTION

Essential for the assembly and disassembly of suspension units. Suitable for most types of classic and modern motorcycle coil springs. Supplied with four spare plastic spring protectors in metal storage case. Use with ratchet wrench.

## 3. SPECIFICATION

Drive: ..... 3/8" Sq & 17mm Hex  
 Maximum Jaw Opening: ..... 105mm  
 Maximum Rated Capacity: ..... 800kg per pair

## 4. OPERATION

- ▲ **DANGER! DO NOT** compress the spring to an extent where the coil windings touch.
- ▲ **DANGER! DO NOT** compress the spring to an extent where the jaws touch.
- ✓ Ensure the jaws and the body of the compressor are correctly aligned at all times during spring compression.
- 4.1. Remove shock absorber from motorcycle according to procedures recommended in the manufacturer's manual.
- 4.1.1. Place the VS1824 body into position engaging the jaws on the spring as far apart as possible as shown in fig.1.

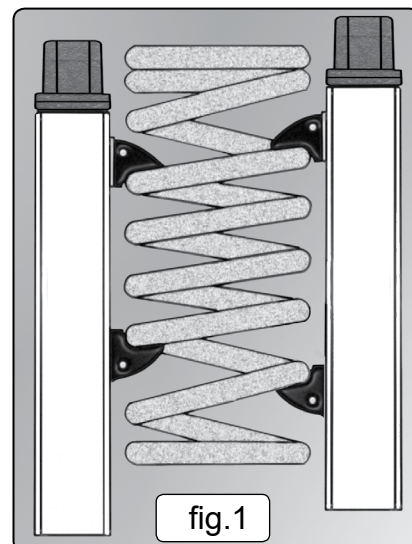


fig.1

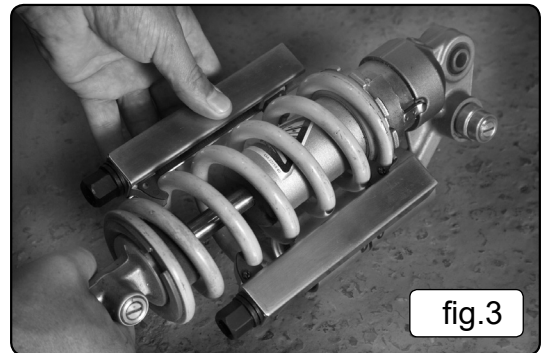
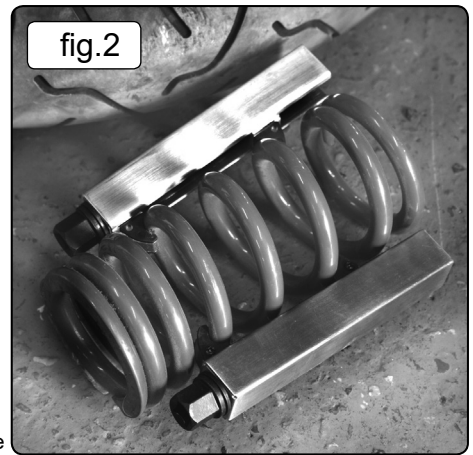
- 4.1.2. Ensure that the jaws are correctly aligned, making sure the two arms are parallel to each other.
- 4.1.3. Tighten compressors by turning the two 17mm hex adjuster bolts clockwise using a suitable ratchet wrench. The coil will need to be compressed equally on each side - alternate between each arm so as not to unbalance the spring. Compress the spring without allowing it to become coil bound.
- 4.1.4. When spring is compressed enough to rotate on the strut remove top plate from strut, then withdraw the spring.

**CAUTION:** To remove the spring from the compressors turn the two 17mm hex adjuster bolts anti-clockwise, alternate between each arm so as not to unbalance the spring. **DO NOT** attempt to remove the spring from the compressors until all tension has been removed.

- 4.1.5. Reverse above procedure to replace spring.

## 5. MAINTENANCE

- 5.1. Before each use check the spring 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 regarding repair kits and spare parts.
- 5.2. Keep the spring compressor's force screws lubricated.
- 5.3. Keep the spring compressor clean, and when not in use store in a safe, dry, childproof location.



### 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.

**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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