



# 2PC HEAVY-DUTY COIL SPRING COMPRESSOR WITH SAFETY JAWS

MODEL NO: **AK3843**

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 eye a face shield



Wear protective gloves



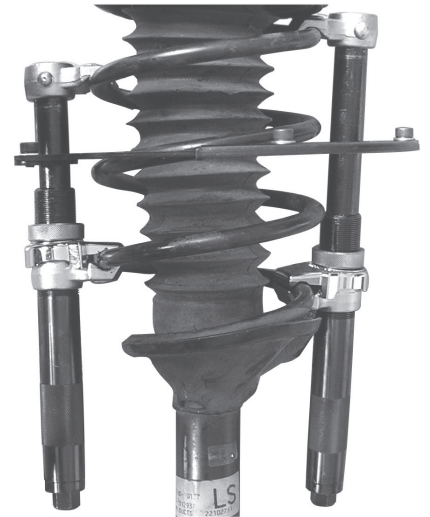
**WARNING!**  
Crushing of hands



**DO NOT** allow coils to touch

## 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.



## 2. INTRODUCTION

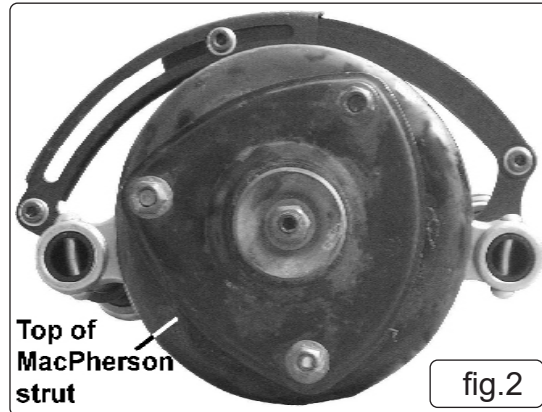
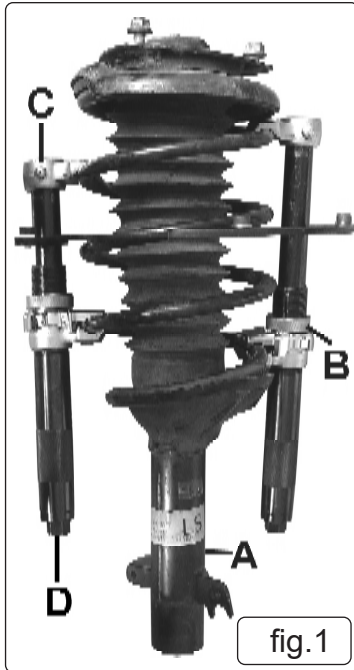
High security coil spring compressor with 1200kg maximum capacity per pair, featuring adjustable safety bar for additional security. Compressors have lower safety jaws for ultimate peace of mind. Use 19mm hex socket or spanner.

## 3. SPECIFICATION

Drive: ..... 19mm Hex  
 Maximum Jaw Opening: ..... 290mm  
 Maximum Capacity per Pair: ..... 1200kg

## 4. OPERATION

- ❑ **WARNING!** Determine the outer diameter and the compressed load of the spring and check that the compressor is suitable.
  - ❑ **WARNING! DO NOT** compress the spring to an extent where the coil windings touch.
  - ❑ **WARNING! 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 strut from vehicle according to procedures recommended in the manufacturer's manual
- 4.1.1. Put the jaws into position and engage them on the spring as far apart as possible
- 4.1.2. Put the AK3843 body into position as shown in fig.1, (A =MacPherson strut), tighten the lower jaws around the lowest part of the spring using the locking ring (fig.1B).
- 4.1.3. Ensure that the jaws are correctly aligned, making sure the two arms are parallel to each other, see fig.2.
- 4.1.4. Tighten compressor by turning the two 19mm hex adjuster bolts (fig.1D) clockwise using a suitable wrench. The coil will need to be compressed equally on each side - alternate between each arm so as to not unbalance the spring. Compress the spring without allowing it to become coil bound.
- 4.1.5. When spring is fully compressed and is free to rotate on the strut remove top plate from strut, then withdraw the spring.
- 4.1.6. Reverse above procedure to replace spring.



## 5. MAINTENANCE

- 5.1. 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 regarding repair kits and spare parts.
- 5.2. Keep the compressor spindles lubricated.
- 5.3. Keep the 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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