



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. *Not designed for use with impact guns.*
- **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- **WARNING!** Wear approved safety eye protection (standard eyeglasses are not adequate).
- **WARNING!** Do not compress the spring to an extent where the jaws touch, fig.2.B.
- ✗ **DO NOT** operate spring compressor if parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **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.
- ✓ 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.
- ✓ When not in use, clean and store the spring compressor in a safe, dry, childproof location.

2. INTRODUCTION & DESCRIPTION

Capacity	1000kg	Maximum Jaw Opening:	300mm
Gold Yokes:	Ø80-115mm	Drive:	21mm Hex
Black Yokes:	Ø110-150mm		
Silver Yokes:	Ø140-195mm		

2.1. Introduction

- 2.1.1. Suitable for Macpherson strut coil springs. Features a yoke extension bracket that also allows use on conical springs. Supplied with three pairs of different sized interchangeable yokes, for a wide range of vehicle applications.

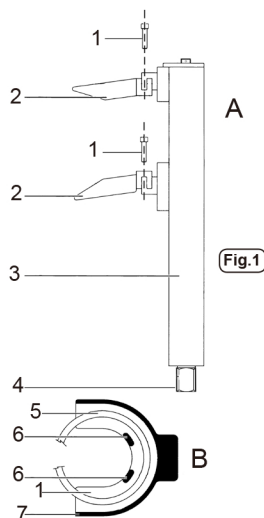
2.2. Description (Fig.1)

- 2.2.1. The compressor consists of a solid steel body mounted with two forged jaw interlocks, one on the body and the other on a centrally mounted spindle.

- | | |
|-------------------|---------------|
| 1 Retaining bolts | 5 Spring |
| 2 Yoke | 6 Safety lips |
| 3 Compressor body | 7 Outer rib |
| 4 Hex nut | |

- 2.2.2. The spindle, is driven by a 21mm hex nut (Fig.1.4).

- 2.2.3. Each jaw has safety lips to eliminate slip and is designed to fit the pitch of the spring to ensure maximum surface contact between the jaws and the spring, thus eliminating the risk of the compressor slipping around the spring.



3. INSTRUCTIONS FOR USE

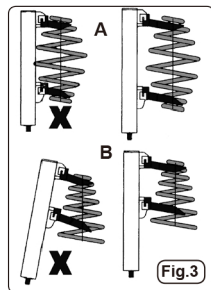
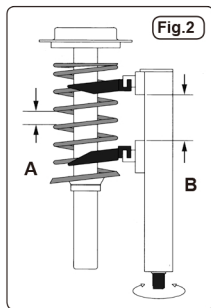
- ❑ **WARNING!** Do not compress the spring to an extent where the coil windings or jaws touch, (Fig.2.A, Fig.2.B). Not to be used with impact gun.
- ✓ Ensure the jaws and the body of the compressor are correctly aligned and well spaced at all times during spring compression (Fig.3.A). For conical springs, the centre line of the spring should remain parallel to the compressor body, (Fig.3.B). If necessary use the extension block as in Fig.4 to keep the spring and compressor body parallel.
- ✓ Secure the strut with a clamp, vice or other adequate holding device.

3.1. To Compress a Strut Removed From a Vehicle.

- 3.1.1. Mount the selected jaws on the compressor body, fit the retaining bolts and tighten securely.
- 3.1.2. Rotate the hexagonal nut, using an air ratchet or hand tools to drive the jaws to the length of the spring and to allow compression of as many windings as possible.
- 3.1.3. Place the spring strut compressor onto the spring, ensuring the spring seats correctly (Fig.1.B) between the safety lips (Fig.1.6) and the outer rib (Fig.1.7) and cannot slide out during compression.
- 3.1.4. Ensure the jaws and body are correctly aligned, (Fig.3 / 4).
- 3.1.5. Rotate the hexagonal nut, using air or hand tools and compress the spring until the upper support bearing is free and the spring will rotate.

3.2. To Decompress a Strut Removed From a Vehicle.

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



4. MAINTAINING THE COMPRESSOR

4.1. General Maintenance.

- 4.1.1. Before each use check the compressor to ensure it is not damaged or worn. If suspect, do not use the unit, but contact your local dealer who will be able to advise you regarding repair kits and spare parts.
- 4.1.2. Grease the compressor spindle as necessary, at least every six months.
- 4.1.3. Keep the compressor clean, and when not in use, store in a safe, dry, childproof location.

