

## 2 PCE HEAVY DUTY PIN TYPE COIL SPRING COMPRESSOR

### User Manual



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## General Information

**Thank you** for purchasing a Blue Spot Tools product, you can find further information on our range at **[www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)**. Please ensure that you are using the product correctly and that all guidance and cautions are followed in accordance with the instructions. Please retain these instructions for future reference.

## Safe use

Please make sure that you read these instructions carefully in order to avoid injury when using the coil spring compressor. Follow all health and safety rules and regulations. If in doubt and available please contact a more knowledgeable source.

It is inadvisable to leave a coil spring under tension due to the stored energy. Immediately replace the coil spring onto the shock absorber in order to reduce time that spring is under tension away from the vehicle and potentially a danger to you or anyone in your workshop.

### **DO NOT use if damaged.**

- Maintain tool in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Keep children and unauthorised persons away from the work area.
- If the spring compressors are damaged do not use.
- **ALWAYS** dress appropriately – clothing should be close fitted and long hair tied back. Jewellery should be removed and shoes should be worn with a non-slip sole.
- **ALWAYS** wear the correct eye or face protection when operating the spring compressors.
- **ALWAYS** wear approved respiratory protection if needed.
- **ALWAYS** ensure you work in a well ventilated room.
- **ALWAYS** ensure the coil spring compressors are used as a pair.
- **ALWAYS** tighten and release the spring compressors evenly and slowly.
- **BE AWARE** only to use hand tools to tighten/release the spring compressor.
- **ALWAYS** ensure the locking pins have secured the spring in place before use.
- **ALWAYS** check and ensure the hooks are connected securely on the spring before commencing compression.
- **DO NOT** allow for the spring to become coil bound.
- **DO NOT** leave a compressed spring unattended.
- **NEVER** use air tools to compress a spring.

## Safe use (continued)

- **NEVER** operate the tool if you are under the influence of drugs or alcohol as this is dangerous.
- **NEVER** make modifications to the tool.
- **NEVER** use the spring compressor for a task that it was not designed for.
- **DO NOT** operate the spring compressors if you are tired as this could be dangerous.
- **ALWAYS** stop using the tool straight away if you start to experience discomfort or pain. Consult with a qualified health professional if needed.

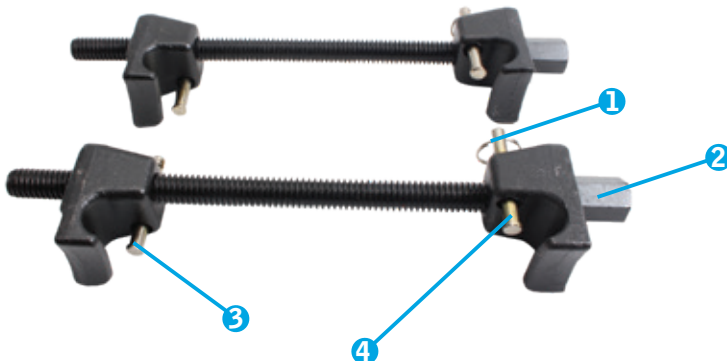
## Introduction

The Blue Spot Tools 2 PCE Heavy Duty Pin Type Coil Spring Compressor is an essential tool for quickly and securely compressing springs on vehicles when repairing or replacing the shocks, springs or struts. Manufactured from heat treated carbon steel for increased durability. Suitable for use with coil springs with a diameter less than 16mm.

These coil spring compressors feature a heavy duty hook with an extra safe pin that locks onto the spring to give you an additional level of safety when compressing the spring.

## Parts Diagram

|   |                          |
|---|--------------------------|
| 1 | Locking pins             |
| 2 | Screw thread             |
| 3 | Thread puller hook       |
| 4 | Non-Threaded puller hook |



## Operation

**BE AWARE** we do not recommend using this spring compressor for double diameter, dual rate or progressively wound suspension springs.

**ALWAYS** ensure you refer to the spring manufacturer's specification to ensure you do not exceed the maximum loading of the spring.

**BE AWARE** some modern Macpherson strut suspension springs are fitted with a considerable pre-load.

It is inadvisable to leave a coil spring under tension due to the stored energy. Immediately replace the coil spring onto the shock absorber in order to reduce time that spring is under tension away from the vehicle and potentially a danger to you or anyone in your workshop.

**ALWAYS** ensure you have followed all of the safety precautions and instructions before beginning and that you are wearing the correct protective head, eye and hand wear.

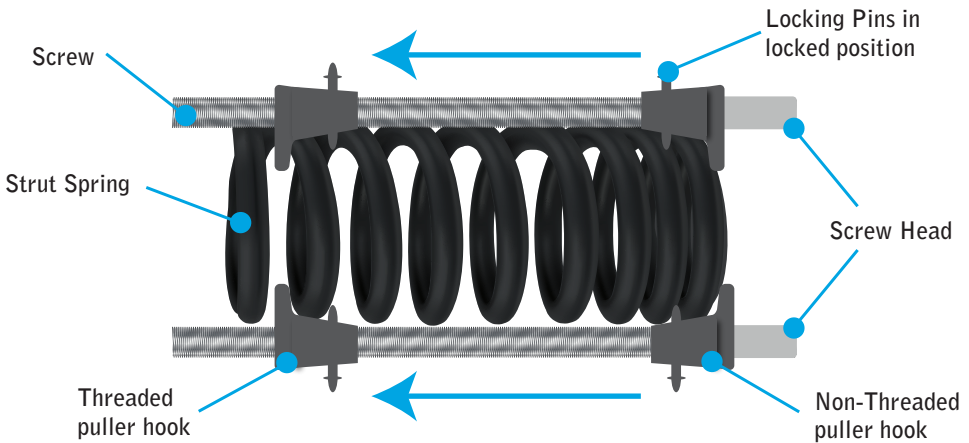
**ALWAYS** ensure that extreme care and caution is taken to avoid injury.

**ALWAYS** keep the spring compressor lubricated.

The following instructions are for removing a strut spring from a MacPherson style strut assembly which has been removed from the vehicle.

1. Adjust the head of the screw to move the threaded puller hook to the end of the screw.
2. Ensure the locking pins are in the unlocked position. Place the threaded puller hook around the spring (refer to the example below).
3. At the opposite end attach the non-threaded puller hook to fit around the spring. Ensure that they are an equal distance apart and parallel to each other.
4. Tighten the head of the screw until it contacts the non-threaded puller hook.
5. Lock the locking pins into the locking position on both the threaded and non-threaded puller hooks.
6. Repeat the process above with the second spring compressor.
7. Make sure they are securely attached before continuing.
8. Tighten each compressor slightly in 10mm increments. For each turn of the spanner make sure to equally apply the same to the other side of the spring. This will take up the tension of the spring and secure the compressor at the extended position.  
**ALWAYS** ensure that you have applied the same tightening to both sides of the spring so you do not cause damage or personal injury.
9. A distance of 30-40mm between the compressed coil and the cap should allow enough clearance for removal of the spring.
10. **NEVER** store a compressed coil spring for ANY length of time. Loosen the screws on the spring compressors **EVENLY** to reduce pressure.

## Operation



## Cleaning & Maintenance

**ALWAYS** keep the spring compressor lubricated.

- Clean the tool with a dry cloth if needed.

## Storage

Store the spring compressors in a cool dry area that is out of reach of children.

## Disposal

Always check and adhere to national regulations when disposing of any tools that are no longer functional and cannot be repaired.

- Contact your local waste disposal authority for information on how to correctly dispose of tools.

## Environmental 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 unusable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



## Contact

Find out more about Blue Spot Tools<sup>®</sup> products at **[www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)**

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Email: [sales@bluespot.uk.com](mailto:sales@bluespot.uk.com)

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## Notes

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