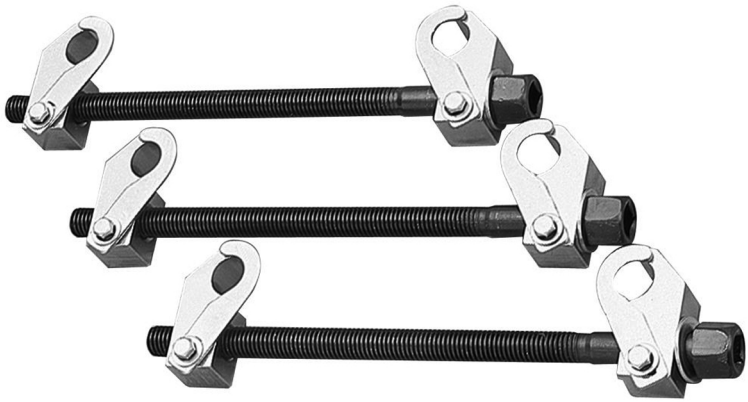
Clarke®



WARNING: READ THESE INSTRUCTIONS BEFORE USE

3 PIECE COIL SPRING COMPRESSOR

MODEL NO: CHT224

PART NO: 1801224

OPERATION & MAINTENANCE INSTRUCTIONS

ORIGINAL INSTRUCTIONS

LS1019 - ISS 1

INTRODUCTION

Thank you for purchasing the CLARKE 3 piece Coil Spring Compressor

The tool is essential for the safe refurbishment of vehicle suspension units. It enables operators to have full control over compression and decompression of the coiled spring.

If you do not use the tool as described, you may damage the tool or the vehicle on which you are working. You may also injure yourself.

We cannot consider any warranty claim if you have used the tool in any way other than that described in these instructions, or if you have used it for any other purpose than that for which it is intended nor can we be held responsible in any way for injury caused while using the tool.

Read these instructions through carefully before you use the tool.

SPECIFICATION

Capacity	1500 kg
Maximum Jaw Opening	220 mm

WARNING NOTICES

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE is used to address practices not related to personal injury.

SAFETY INFORMATION

READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Coil Spring Compressor.
- Keep these product instructions for future reference.

IMPROPER MOTOR VEHICLE REPAIR WORK CAN RESULT IN INJURY OR DEATH!

- Performing automotive repair work can cause injury, vehicle accidents and death. DO NOT attempt to use this tool or begin work without proper training and a thorough understanding of motor vehicle mechanical systems.
- Always consult the manufacturer's service manual or reference materials on the particular vehicle under repair for the proper procedures before using this tool.

IMPROPER VEHICLE JACKING CAN RESULT IN INJURY OR DEATH!

- Always consult the manufacturer's service manual or reference materials on the particular vehicle under repair for the proper jacking procedures.

PINCH HAZARD!

- Keep hands and fingers away from moving components.

EYE INJURY HAZARD!

- Particles may be ejected from components under great pressure causing eye injury. Wear ANSI approved eye protection while using.

FALL HAZARD!

- Parts may suddenly shift while being operated. Failure to ensure proper footing can quickly result in a fall which could inflict serious personal injury or property damage.

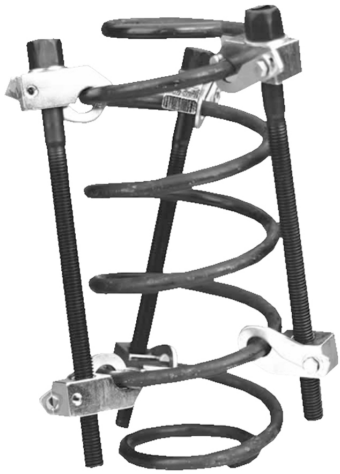
OPERATION

DANGER: COIL SPRINGS ARE UNDER TREMENDOUS PRESSURE! SUDDEN RELEASE CAN RESULT IN INJURY OR DEATH!

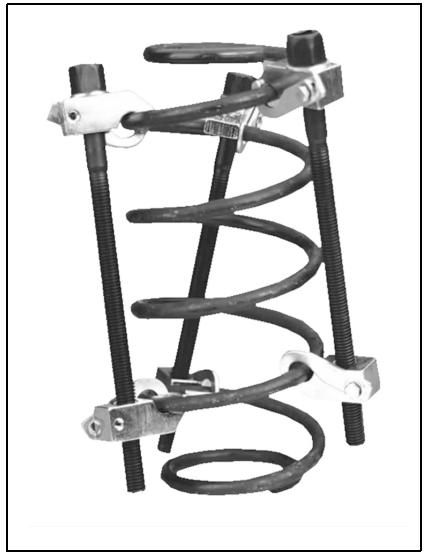
DANGER: INJURY HAZARD! CONSULT AN AUTHORIZED MANUFACTURER'S SERVICE MANUAL OR REFERENCE MATERIAL ON THE PARTICULAR VEHICLE UNDER REPAIR FOR THE PROPER PROCEDURES BEFORE USE. IMPROPER MOTOR VEHICLE REPAIR WORK CAN RESULT IN INJURY OR DEATH!

CAUTION: DO NOT USE AN IMPACT OR OTHER POWERED DRIVER. USE ONLY A HAND-POWERED RATCHET OR WRENCH TO OPERATE.

1. Place the spring compressors over the spring as shown.
   - Distribute the spring compressors evenly around the spring.
   - Fit the spring compressors as close as possible to the top and bottom coils of the spring.
   - Make sure that the safety jaw of each spring compressor is correctly closed around the spring coil
2. Using a 24mm wrench or socket spanner, tighten all three spring compressors to remove any slack from each side until they are gripping the spring securely and evenly.
   - A small amount of lubricant on the screw threads will assist free movement during use and protect the threads from wear.



3. Tighten the spring compressor to compress the spring using equal pressure from each clamp, ensuring that the spring remains straight. If the spring starts to bend to one side, correct this by tightening the slackest side.



WARNING: DO NOT TIGHTEN ANY OF THE SPRING COMPRESSORS MORE THAN 2 TURNS AT A TIME TO AVOID UNEVEN TENSION IN THE SPRING, RESULTING IN SUDDEN AND VIOLENT RELEASE.

CAUTION: DO NOT USE AN IMPACT OR OTHER POWERED DRIVER. USE ONLY A HAND-POWERED RATCHET OR WRENCH TO OPERATE.

4. When the spring has been sufficiently compressed to be released from the vehicle suspension components, lift the spring and compression tool carefully away.
5. If the spring is part of a suspension strut assembly , the top swivel can now be disassembled from the strut while the spring remains compressed. Thereafter, the spring can be lifted away complete with the compressor tool.
6. To release the spring from the spring compressor, carefully slacken each side of the tool a couple of turns at a time, ensuring that the spring remains straight at all times.

WARNING: DO NOT SLACKEN ANY OF THE SPRING COMPRESSORS MORE THAN 2 TURNS AT A TIME TO AVOID UNEVEN TENSION IN THE SPRING, RESULTING IN SUDDEN AND VIOLENT RELEASE.

7. When the spring is fully relaxed, disconnect the spring compression tool and remove.

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