

*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #31655

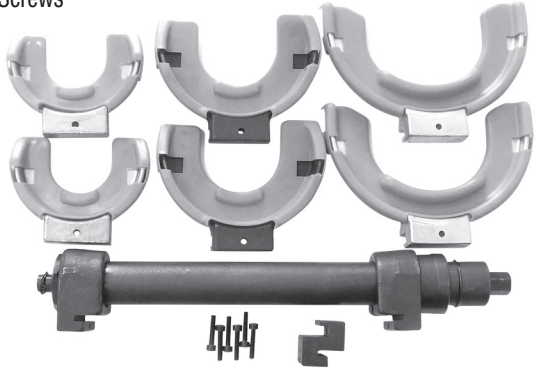
# INTERCHANGEABLE MACPHERSON STRUT COMPRESSOR INSTRUCTIONS



The **EASTWOOD INTERCHANGEABLE MACPHERSON STRUT COMPRESSOR KIT** includes all the components required to compress springs on the suspension of most non-commercial vehicles. This tool is constructed of robust, high-strength steel alloy forgings and will provide years of reliable service. The included Composite Yoke Covers protect spring finishes from scratching and chipping.

## CONTENTS

- (1) Actuator Screw Assembly
- (2) 5.5"-7.6" [140-195mm] Spring Diameter Yokes with Composite Covers
- (2) 4.3"-5.9" [110-150mm] Spring Diameter Yokes with Composite Covers
- (2) 3.13"-4.5" [80-115mm] Spring Diameter Yokes with Composite Covers
- (6) M6 x 30mm Socket Head Cap Screws
- (1) Extender Block
- (1) Heavy-Duty, Blow Molded Case



## SAFETY INFORMATION

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

### **⚠ DANGER**

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

### **⚠ WARNING**

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

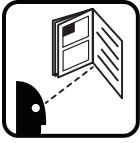
### **⚠ CAUTION**

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

### **⚠ NOTICE**

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 Eastwood Spring Compressor.
- Keep these product instructions for future reference.



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

- Keep fingers and hands away from moving parts when operating.

## **⚠ WARNING 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 an authorized manufacturer's service manual or reference materials on the particular vehicle for the proper procedures before using this tool.



## **⚠ WARNING IMPROPER VEHICLE JACKING CAN RESULT IN INJURY OR DEATH!**

- Always consult an authorized service manual on the particular vehicle for the proper jacking/supporting procedure before using tool.



## **⚠ WARNING PINCH HAZARD!**

- Keep hands and fingers away from moving components..



## **⚠ CAUTION EYE INJURY HAZARD!**

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

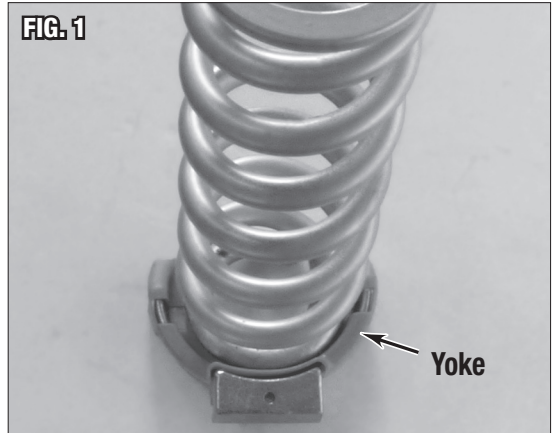


## **⚠ CAUTION FALL HAZARD!**

- 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.

# SPRING COMPRESSOR OPERATION

- Select the pair of Yokes that best match the spring diameter to be compressed (**Fig 1**).
- Attach the pair of Yokes to the fixed and traveling Mounting Blocks and secure with the included M6 Socket Head Cap Screws using a 5mm Hex Key (not included) (**Fig 2**).
- Place the Yoke and Screw assembly around the spring coils with the 21mm Hex Drive at the most accessible end.



- Slowly begin to rotate the 21mm Hex Drive in a tightening direction which will quickly move the traveling Mounting Block inward compressing the coil spring (**Fig 3**).

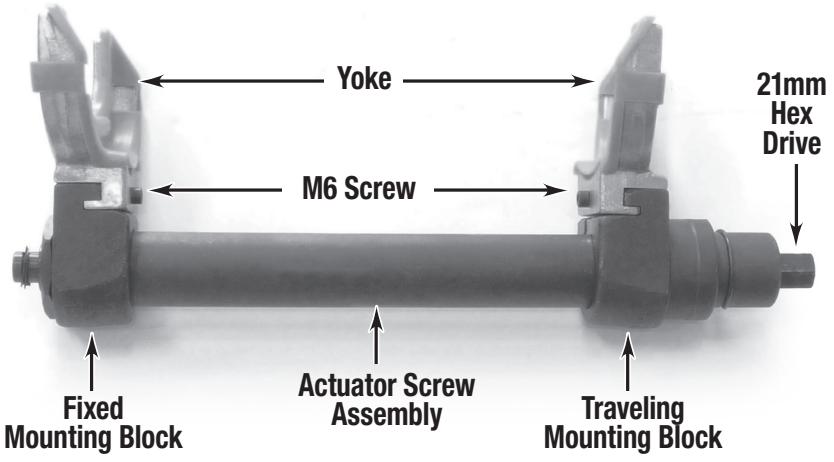
**NOTICE:** Do Not use an impact or other powered driver. Use only a hand-powered ratchet or wrench to operate.

## **⚠ DANGER**

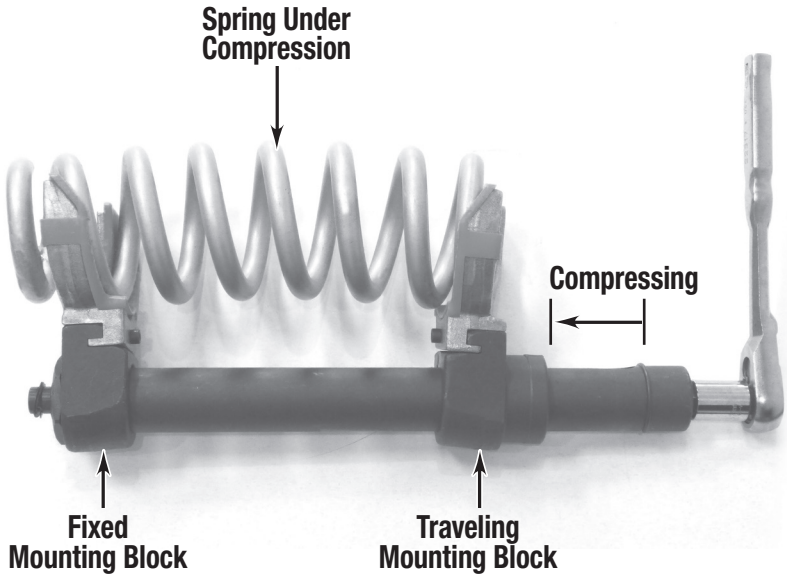
COIL SPRINGS ARE UNDER TREMENDOUS PRESSURE! SUDDEN RELEASE CAN RESULT IN INJURY OR DEATH!

- When the spring has been sufficiently compressed to release it from the mounting area, slowly and carefully pull the Spring Compressor assembly with the spring intact from its location in the vehicle or remove strut from the center of the spring.
- To release spring: Slowly and gently rotate the 21mm Hex Drive in a loosening direction until all compression on the spring is released and the Yokes slide easily away from the coil spring.

**FIG. 2**

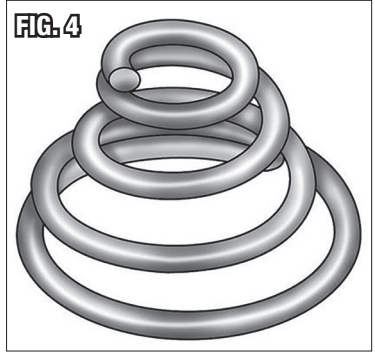


**FIG. 3**



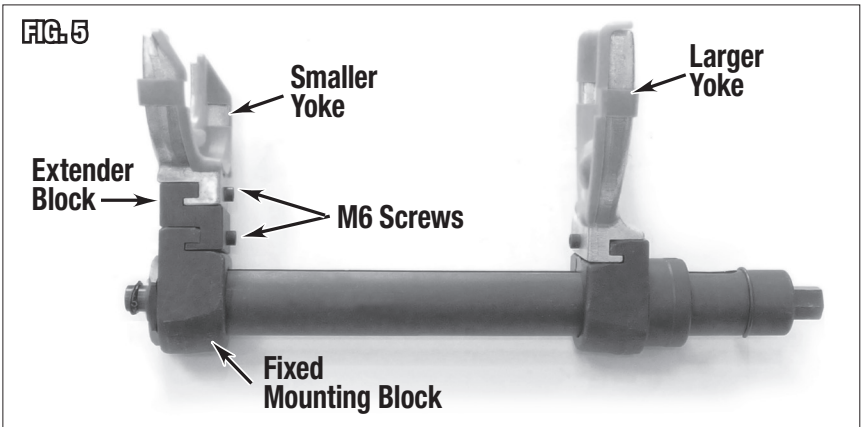
# FOR USE WITH TAPERED COIL SPRINGS (FIG 4)

- Select the pair of Yokes that best match the spring larger & smaller diameters to be compressed (Fig 5).
- Fit the Extension Block between the keyed surfaces of the Fixed Mounting Block and Smaller Yoke and secure to both with included M6 Socket Head Cap Screws using a 5mm Hex Key (not included) (Fig 5).
- Attach the larger Yoke to the Traveling Mounting Block and secure with the included M6 Socket Head Cap Screws using a 5mm Hex Key (not included) (Fig 5).
- Place the Yoke and Screw assembly around the spring coils.



- Slowly begin to rotate the 21mm Hex Drive in a tightening direction which will quickly move the traveling Mounting Block inward compressing the coil spring.

**NOTICE:** Do Not use an impact or other powered driver. Use only a hand-powered ratchet or wrench to operate.



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# ADDITIONAL ITEMS

- #31902 Eastwood 1/2" Drive, 1000 ft/lb Composite Impact Air Wrench
- #13622 Eastwood 1/2" Drive, Digital Electronic Torque-Angle Wrench
- #31504 Eastwood 6-Ton Jack Stands

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

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