

**FAIRMOUNT<sup>®</sup>**  
**TOOLS**

Item #31563

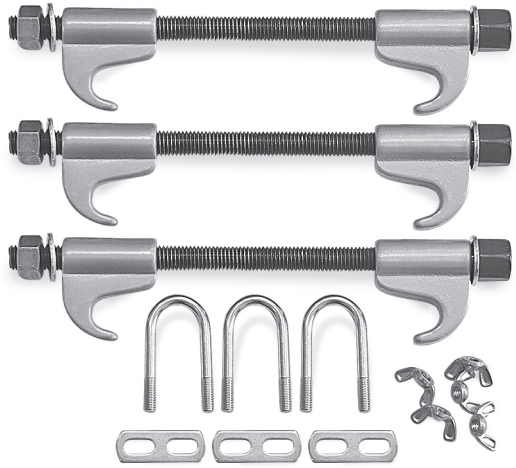
# 3PC EXTERNAL SPRING COMPRESSOR SET



The **FAIRMOUNT EXTERNAL SPRING COMPRESSOR KIT** includes three sets of Hooks and Rods to allow even distribution of compressive forces for increased safety and control when compressing most coil springs for removal and installation.

## CONTENTS

- (3) Long Bolts
- (6) Hooks (5/8" max. coil diameter)
- (3) Large Nuts
- (6) Washers
- (3) "U" Bolts
- (3) Shackle Plates
- (6) Shackle Wing-Nuts
- (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 Spring Compressor.
- Keep these product instructions for future reference.



## **⚠ DANGER**

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



## **⚠ 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 under repair for the proper procedures before using this tool.

## **⚠ WARNING**

**IMPROPER VEHICLE JACKING CAN RESULT IN INJURY OR DEATH!**

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



## **⚠ 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.

# OPERATION

## TO REMOVE SPRING

- Place the Hooks of the Hook and Bolt assemblies over coils to allow compression of the center portion of the coil spring (**FIG 1**).
- Distribute the Hook and Bolt assemblies evenly 120° apart around the O.D. of the spring (**FIG 2**).

**FIG. 1**



**FIG. 2**



- Add the three Safety Shackles by slipping the “U” Bolts around both the spring coils and all three of the Threaded Bolts of the Spring Compressors and secure in place with included Shackle Plates and Wingnuts (FIG 3).
- Using two 24mm wrenches (or one 24mm wrench and optional 1/2” drive ratchet extension), slowly and evenly tighten the Hook and Bolt assemblies (FIG 2).

FIG. 3



**⚠ WARNING**

**DO NOT** tighten any one of the three Hook and Bolt assemblies any more than 2 turns at a time to avoid uneven tension in the spring. Uneven tension can cause the spring compressors to shift 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.

**⚠ DANGER**

**COIL SPRINGS ARE UNDER TREMENDOUS PRESSURE! SUDDEN RELEASE CAN RESULT IN INJURY OR DEATH!** Consult an authorized manufacturer’s service manual or reference materials on the particular vehicle under repair for the proper procedures before removing spring.

- 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 suspension system.

## TO RELEASE SPRING

- Slowly and carefully loosen the three Hook and Bolt Assemblies until all compression tension on the spring is released and the Hooks slide easily away from the coil spring.

### **⚠ WARNING**

**DO NOT loosen any one of the Hook and Bolt assemblies any more than 2 turns at a time to avoid uneven tension in the spring, building energy in one side resulting in sudden and violent release.**

- Slowly and gently loosen and remove the Safety Shackles.
- Remove the Spring Compressors from the coil spring.

## TO INSTALL A REPLACEMENT SPRING

### **⚠ DANGER**

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

### **⚠ WARNING**

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

- Place the Hooks of the Hook and Bolt assemblies over coils to allow compression of the center portion of the coil spring (**FIG 1**).
- Distribute the Hook and Bolt assemblies evenly 120° apart around the O.D. of the spring (**FIG 2**).
- Add the three Safety Shackles by slipping the “U” Bolts around both the spring coils and all three of the Threaded Bolts of the Spring Compressors and secure in place with included Shackle Plates and Wingnuts (**FIG 3**).
- Using two 24mm wrenches (or one 24mm wrench and optional 1/2” drive ratchet extension), slowly and evenly tighten the Hook and Bolt assemblies (**FIG 2**).

### **⚠ WARNING**

**DO NOT tighten any one of the Hook and Bolt assemblies any more than 2 turns at a time to avoid uneven tension in the spring, building energy in one side 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.**

- Place the compressed coiled spring and Spring Compressor into the appropriate location in the suspension system.

**⚠ DANGER**

**INJURY HAZARD! Consult an authorized manufacturer's service manual or reference materials on the particular vehicle under repair for the proper procedures before installing.**

- Slowly and gently loosen and remove the Safety Shackles.
- Slowly and carefully loosen the three Hook and Bolt Assemblies until all compression tension on the spring is released and the Hooks slide easily away from the coil spring.

**⚠ WARNING**

**DO NOT loosen any one of the Hook and Bolt assemblies any more than 2 turns at a time to avoid uneven tension in the spring, building energy in one side resulting in sudden and violent release.**

- Slowly and gently loosen and remove the Safety Shackles.
- Remove the Spring Compressors from the coil spring.

# ADDITIONAL ITEMS

**#30169** Eastwood Low Profile 2 Ton Aluminum Floor Jack

**#31338** 1/2" Micrometer Torque Wrench, 30-250 lb-ft.

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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: [techhelp@eastwood.com](mailto:techhelp@eastwood.com)

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

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

800.343.9353 [eastwood.com](http://eastwood.com)