

# Operating Instructions - Strut Spring Compressor

1. Select correct set of Spring Shoes. Shoes must be selected so that the spring coil fits inside the guides as shown in Figure 1. Be sure the Shoes are properly seated in the Carriers and the Hex Socket Bolts are flush with shoe and tight.
2. Place Spring Compressor on spring with shoes as far apart as possible. See Figure 2.
3. Wrap Restraint Chain around the Spring Compressor and strut **two times** as shown in Figure 2. Fasten the chain ends together with the clasp.
4. Use ratchet or air tool (1-1/16 in. or 27mm) to turn Hex Nut clockwise to compress the spring.

**CAUTION:** If using a hand ratchet wrench, do not apply torque so as to pull the Spring Compressor off of the Strut Spring.

**IMPORTANT:** Compress spring only far enough to relieve pressure on the Strut End Retainer.

**DO NOT:** Compress spring until coils touch or bind or allow shoe carriers to touch. See Figure 3.

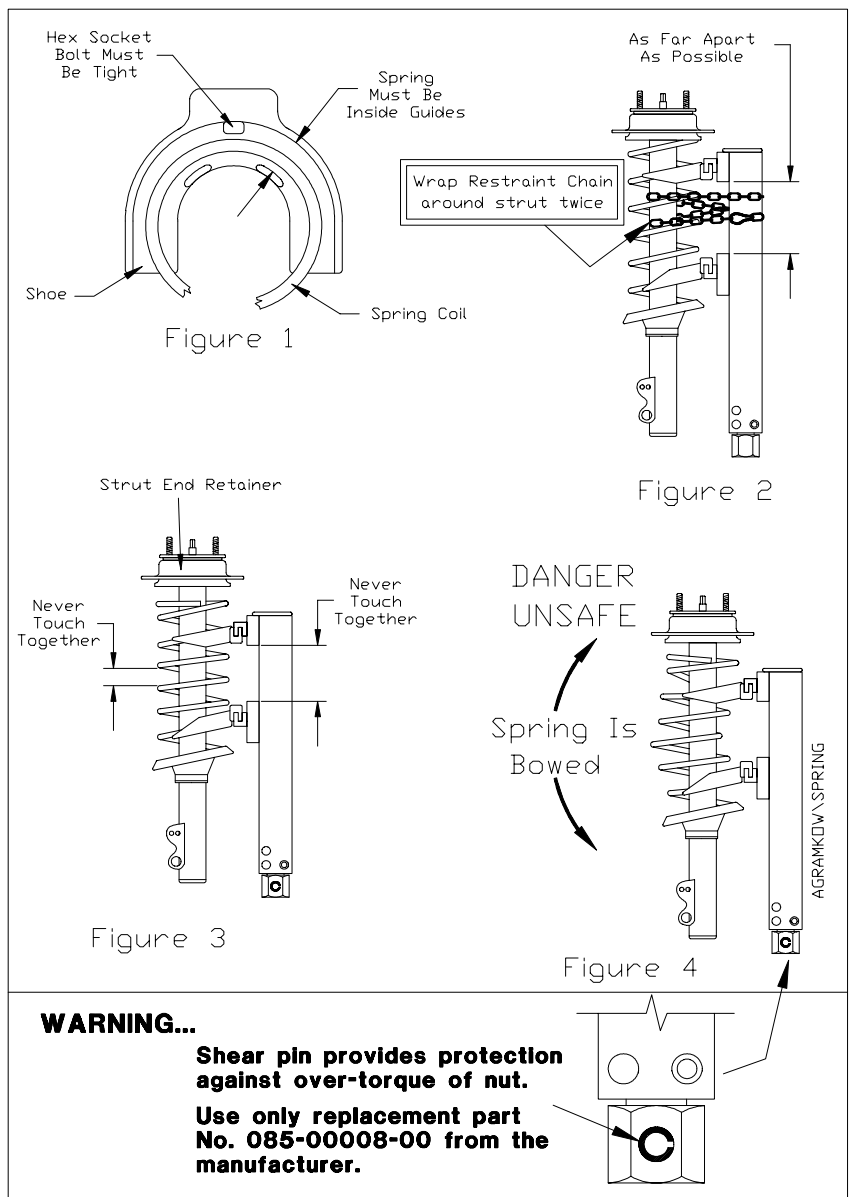
**DO NOT:** Compress spring if it bows as shown in Figure 4.

5. Remove Strut End Retainer.
6. Turn Hex Nut counter-clockwise to release spring pressure. Then remove Restraint Chain and then the Spring Compressor.
- NEVER REMOVE SPRING WITH THE COMPRESSOR STILL ATTACHED.**
7. Make repairs to Strut as required.
8. Place Spring on Strut and again compress it using the Spring Compressor with the Restraint Chain attached. Compress the Spring only enough to allow the Strut End Retainer to be bolted into place. Tighten bolts to torque setting as recommended by the manufacturer.
9. Turn Spring Compressor Hex Nut counter-clockwise to release spring pressure. Be sure the Spring is seated properly in the seats or pockets of the Strut. Do not open Spring Compressor beyond original setting or Strut may be damaged.

**Limited 1 Year Warranty**

**Proof of Purchase Date Required**

P/N 560-80069-00



## READ ALL WARNINGS TO AVOID INJURY

- Do not overload or serious injury may result.
- Do not compress spring until coils touch or bind.
- Do not allow shoe carriers to touch.
- Do not use if shoes or shaft are bowed or bent.

### WARNING - IMPORTANT !

- Always use the Restraint Chain.
- A compressed spring is **VERY DANGEROUS**.
- Do not compress spring unless it is over strut shaft.
- ALWAYS** unload spring before removing from strut.
- Compress spring only to remove or install strut end retainer.**
- Do not compress spring if it tends to bow. See Figure 4.
- Fit shoe carriers **VERY CAREFULLY** before compressing spring.

### WARNING !

- Do not drop spring compressor assembly.
- To avoid injury, always wear safety glasses and safety shoes when working on front end components.