

OPERATING INSTRUCTIONS

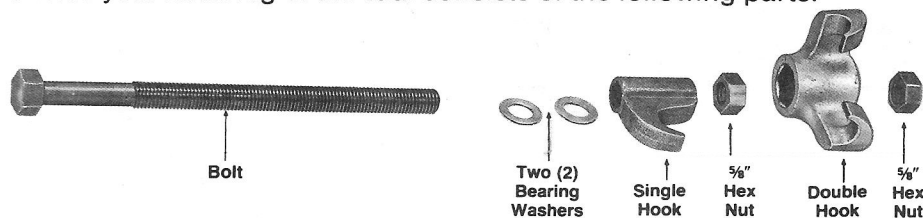
MacPHERSON STRUT COIL SPRING TOOL

BEFORE STARTING THE JOB READ THESE INSTRUCTIONS COMPLETELY

Do not use on General Motors "A", "C", "J" or "X" Body cars.
Do not use on springs which exceed 6" outside coil diameter.
Do not use on coil springs having a wire size that exceeds 5/8" diameter.

- Always wear safety goggles.
- Refer to vehicle manufacturer's manual on MacPherson Struts and front end servicing for procedures and precautions.
- Before each use inspect, clean and lubricate threads on each bolt.
- Remove any excessive grease and oil that may be on spring.
- Whenever possible, compress or decompress with the spring laying horizontally on a work bench or the floor.
- Compress spring only enough to remove pressure from the spring seats.
NEVER OVERCOMPRESS A COIL SPRING.
- Always use the safety hooks provided with the tool.
- After each use, clean and store the tool so that threads are not damaged.

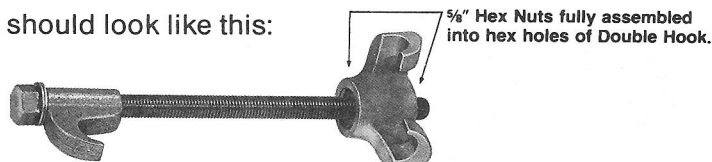
1. This tool consists of two legs which have been pre-assembled at the factory and are ready to work for you. Each leg of the tool consists of the following parts:



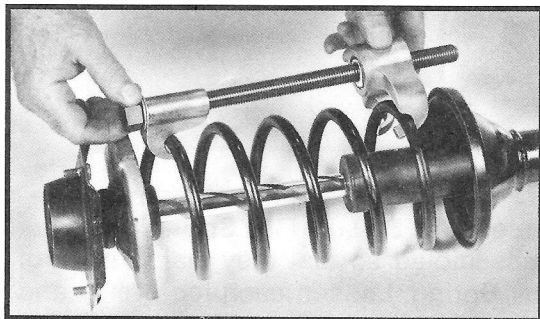
2 SAFETY HOOK ASSEMBLIES
(see photos 6 thru 9)

Diagram illustrating two safety hook assemblies.

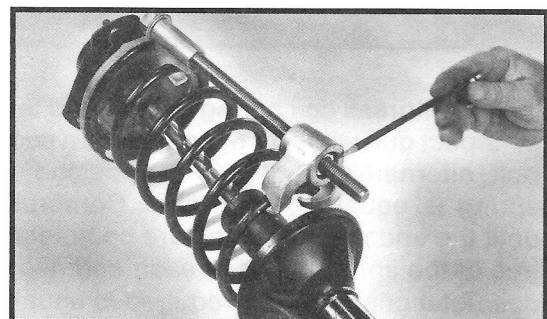
2. The assembled leg should look like this:



NOTE: Both 5/8" Hex Nuts should be fully assembled in the hex holes of the Double Hook as shown above. If nuts ever become separated from the shaft, reassemble by placing nuts fully into the hex holes of the Double Hook and screw bolt smoothly into and through each nut.

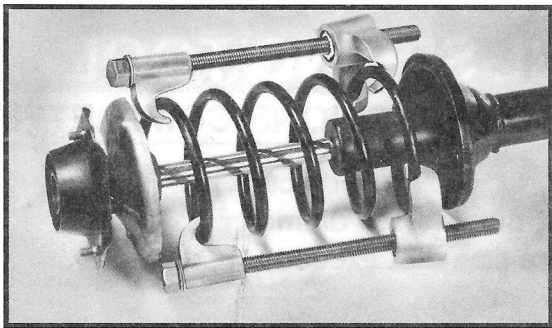


3. Affix one leg of tool as shown. Hooks on both ends of leg should engage coil spring so that furthest rungs are held by hooks.

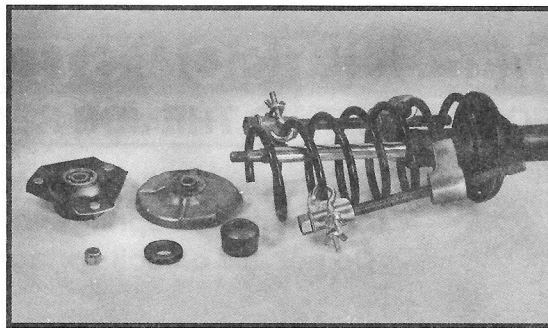


4. Be sure that movable hex nuts are threaded onto bolt and seated in hex holes of double hook as shown. Hand tighten bolt.

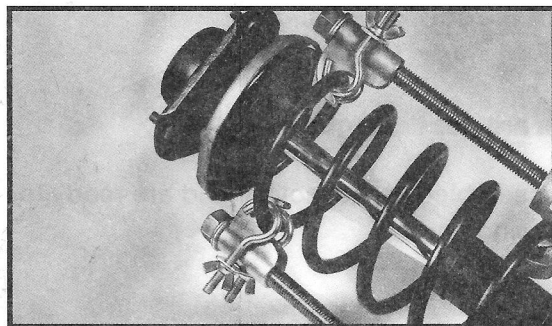
Instructions continued on reverse side ➔



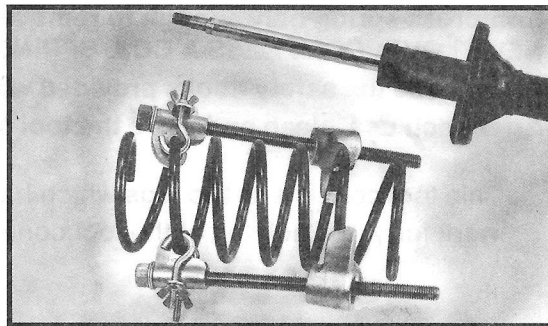
5. Affix second leg of tool on opposite side of coil spring in same manner as done for first leg. Hand tighten bolt.



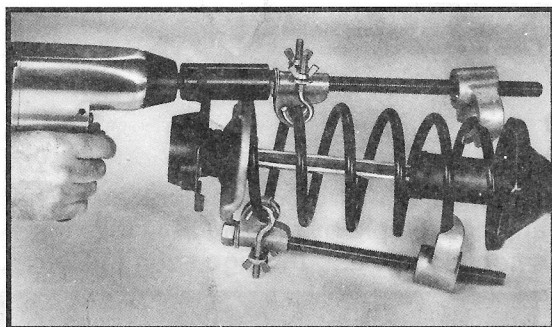
8. Remove Upper Bearing Dust Cap on MacPherson Strut to expose Piston Rod Nut. Remove Piston Rod Nut, Upper Bearing Plate and Upper Coil Spring Seat.



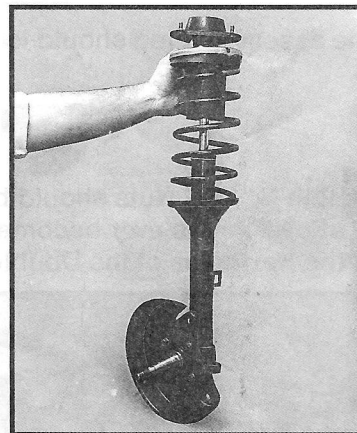
6. Apply Safety Hooks to spring with flange and wing nuts. Assemble to each leg and coil spring as shown. Wing Nuts should be finger tight.



9. Remove coil spring in compressed condition and set aside. Shock Absorber is now exposed to be fixed or replaced.



7. Compress coil spring using hand tool or impact gun with 15/16" socket. Turn each bolt alternately so that compression of spring is equal on each side. Compress until the ends of the spring are completely free of the spring seats at each end of the coil. Total compression required is usually not more than 3".



10. Reassemble all components in reverse order. Be sure Coil Spring Seats are reassembled so that they match ends of Coil Spring. Loosen each leg evenly and allow the ends of Coil Spring to contact the seat properly. Remove each leg. Repaired MacPherson Strut is now ready to be reinstalled on vehicle.