

988-31

Coil Spring Compressor

Instructions On Use.

National Parts Depot

05/17/2023

Warning:

Compressed coil springs are under tremendous tension. Take all appropriate safety precautions to ensure your safety and of those around you.

Always wear safety glasses.

Tools required:

1 1/4" wrench or socket for top compressor nut

9/16" wrench or socket for bottom nuts.

1/2" socket for other suspension parts. Depends on year and model being worked on.

Note: Compressor comes from the manufacturer painted black. It has been painted yellow to stand out in the photos better.

- 1) Remove shock absorber from shock tower. Usually 1/2" upper bolts and 9/16" lower nuts.
- 2) Remove upper shock mount from shock tower. 3 nuts, usually 1/2".
- 3) Slide spring compressor down shock access opening and align the lower studs into the coil spring saddle holes where the shock mounted.
- 4) Secure compressor to saddle with included 9/16" flange nuts.
- 5) Replace upper shock mount, with compressor shaft passing through center, and secure with original mounting nuts.
- 6) Slide upper compressor mounting plate down compressor shaft and secure with the original shock mounting bolts, usually 1/2".

Note: If your year and model did not have washers between the bolts and the shock flange, scrounge up a few washers to place under the bolt head to help spread the load. This is not required, but highly recommended.
- 7) Assemble the compressor bearing and nut on upper compressor plate exactly as shown!
 - a) Bearing with cup side down and inner bearing plate facing up (the side with the part numbers on it).
 - b) Washer, center on bearing inner plate.
 - c) Nut
- 8) With all hardware properly secured you can now compress the spring.

Do not use *any* motorized means to turn the nut and compress the spring. Use only a hand turned wrench or socket. We suggest greasing or lubricating the threaded shaft prior to use. WD-40 is *not* a lubricant!
- 9) Once the spring is sufficiently compressed you can remove the upper control arm and uncompress the spring completely to remove the coil spring saddle.
- 10) Coil spring installation is the opposite of the steps listed above for removal of the coil spring. Note the position of the saddle on the arm, the spring in the saddle and the spring in the upper tower.

