

## **WARNING - SPRING COMPRESSOR SAFETY**

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface, or render inoperable any of the safety devices or warnings on this equipment. **IF** any safety devices or warnings have been removed, defeated, defaced, or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

 **WARNING:** This product can expose you to chemicals including naphthalene and chromium from petroleum products which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

### **DANGER**

**A compressed coil spring is very dangerous. Be extremely careful; never stick your fingers, hands or other body parts anywhere that they may be pinched or smashed.**

This TOOL has and creates Multiple Pinch Points. It may come lose with Extreme Force. There is a chance of parts being shot at high speeds. This could cause serious injury or death to the operator or bystanders. Keep hands, feet and all other body parts clear at all times.

Never operate equipment of any kind if you are tired or if you are under the influence of alcohol, drugs, medication or any substance that could affect your ability or judgment. Be alert! If you get tired while operating this equipment, take a break. Tiredness may result in loss of control.

**Caution!** Using this tool requires disassembly of some components of the suspension. If you are not confident you can complete the job safely, have the work performed by a certified technician who is familiar with the front suspension of your vehicle. Failure to reassemble the suspension properly can lead to serious injury or death!

All vehicles are different. Always consult a good shop manual from a reputable company for the exact procedure.

**Caution! To prevent personal injury,**

- **Wear eye and face protection!**
- **Before repairing a vehicle, block the wheels to prevent the vehicle from moving.** After jacking up the vehicle. **Always** place safety stands in the places recommended in the owner's manual. Never use the jack as the sole means of support.

**NEVER** get under, or place and body parts under a vehicle that that is held up solely by the jack.

### **INSTRUCTIONS**

This tool is designed to grasp a maximum 3/4" wire diameter spring. It can be used on coil springs up to 5 5/8" outside diameter.

Always wear eye protection.

*Always refer to the vehicle manufactures service manual on coil spring and front-end procedures and precautions.*

Before each use inspect, clean and lubricate threads on threaded shaft.

Remove any excessive grease and oil that may be on spring.

Whenever possible, compress or decompress with the spring lying horizontal on the workbench or floor.

Compress spring only enough to remove pressure from the spring seats. **NEVER OVER COMPRESS A COIL SPRING.**

If you are replacing an old spring with a new one, measure and record the length of the old spring while compressed. This will guide you for required compression of the new spring, to allow installation and avoid over compression.

If a sudden increase in operating torque is experienced while compressing a coil spring, "**STOP**", release pressure, remove tool and examine tool for any damaged components.

After each use, clean, lubricate the threads and store the tool so that the threads are not damaged.

1. Remove the shock absorber from the vehicle.

2. Insert the tool through the shock holder and position it with the short and long arms of the tool engaging the rungs of the spring on opposite sides from top to bottom. All arms should be hooked and hand tightened on the spring by turning the threaded shaft. Always make sure to leave enough threads sticking out the bottom of the arms so once the spring is removed you are able to completely decompress it.

3. Compress the coil spring by turning the nut on the threaded shaft using a **HAND OPERATED** ratchet wrench with a 15/16" 6 point socket. Keep shaft of tool straight. **DO NOT USE POWER TOOLS.**

**Note:** Some vehicles have slightly curved coil spring assemblies. To preserve the curvature of the compressed spring, install the tool with short arms and long arms located on the same side of the top and bottom of the spring. Compress only enough to free the spring and provide clearance from or installation into the spring seats.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment,

**DO NOT USE!! CALL A TOOL SHED IMMEDIATELY!!!**

**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**