

# SHOCK ABSORBER

## REMOVAL

Support the vehicle securely and raise the rear wheel off the ground.

Remove the mounting bolt(s) or nut(s); then remove the shock absorber.

## INSTALLATION

Install the shock absorber on the upper mount noting the proper installation direction.

Raise the rear wheel enough to allow installation of the lower mounts. Slip the mounts into position.

Tighten the upper and lower mounts to the specified torque.

On Pro-Link or Pro-Arm systems, refer to the Model Specific manual for shock absorber removal/installation procedures.

## DISASSEMBLY

### ⚠ WARNING

- Certain types of damper units are filled with high pressure nitrogen gas.
- Do not disassemble gas damper units.
- Be sure to release the gas from the damper unit before discarding it.
- To prevent loss of tension, do not compress the spring more than necessary to remove it.

Remove the shock absorber.

Compress the spring and remove the damper unit.

### Shock Absorber Compressor Use:

Install the shock absorber compressor on the rear shock absorber.

Certain types of shock absorber compressors require adapters when the attachment is installed, while others do not.

Refer to the Model Specific manual for the type of compressor.

Install the shock absorber compressor holder securely onto the coil spring end that is near the lock nut or stopper ring.

Turn the compressor handle and slowly compress the spring.

### Hydraulic Press Use:

Install the spring compressor attachment and compress the spring with the hydraulic press.

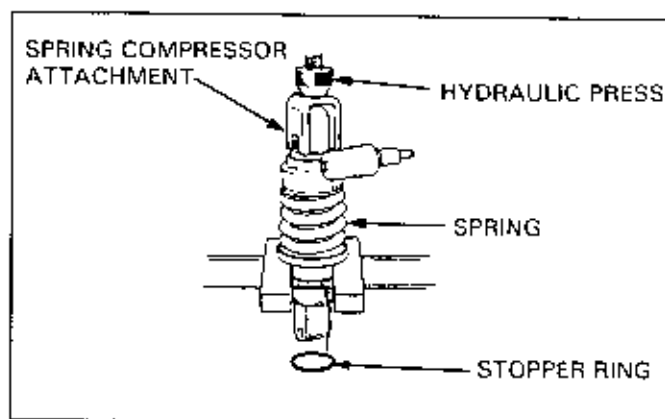
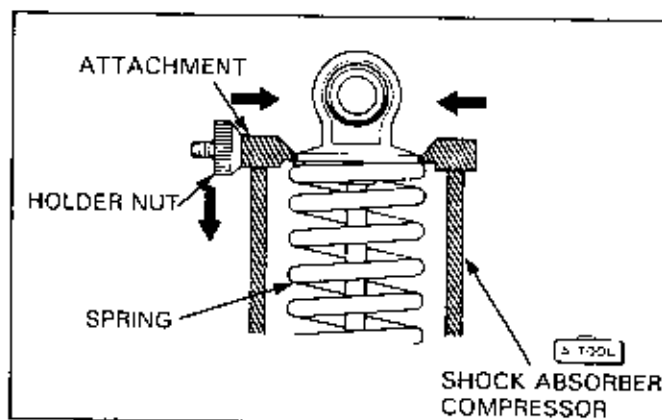
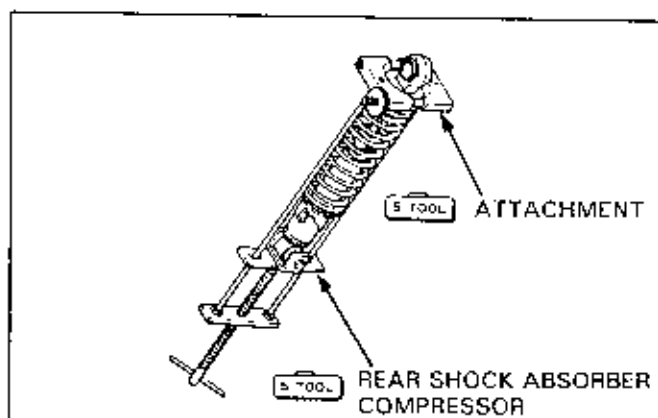
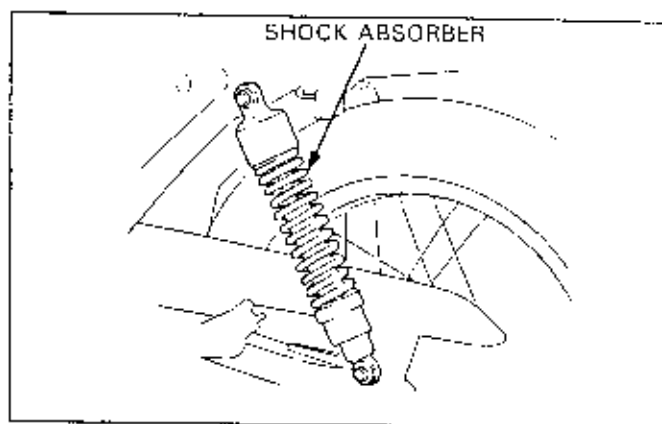
Always use a specified tool to compress the spring. Refer to Model Specific manual.

### ⚠ WARNING

- Use of a hydraulic press to compress the spring can lead to the spring or shock absorber flying out of the press and causing a serious injury.

Certain types of shock absorbers are mounted with a stopper ring while other types are mounted with a lock nut.

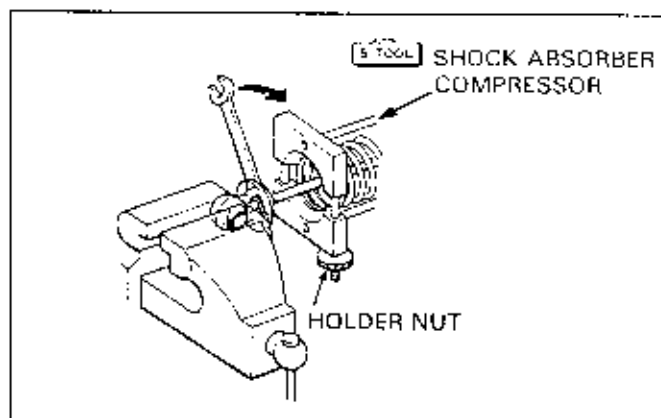
Refer to the Model Specific manual.



## REAR SUSPENSION

### Lock Nut Removal

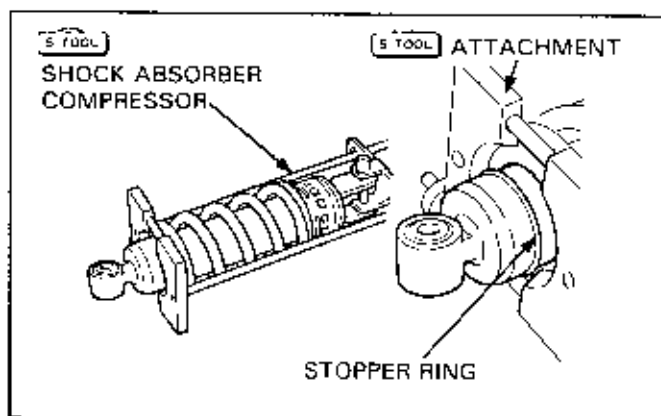
Compress the spring and loosen the lock nut, then remove the upper or lower joint and the spring.



### Stop Ring Removal

Compress the spring and remove the stopper ring.

Remove the spring.

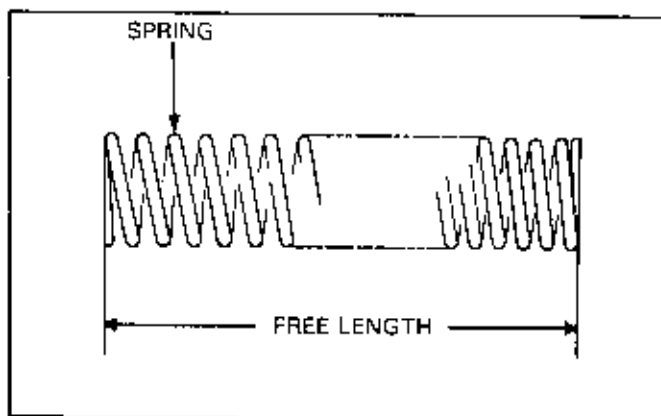


## INSPECTION

### Spring

Place the spring on a level surface and measure the free length.

Replace the spring if it is deformed, cracked or its free length is shorter than the service limit.



### Damper Unit

Keep a gas-filled shock absorber away from fire or heat.

#### WARNING

- Heating a gas-filled damper can lead to an explosive release of pressure which can cause a serious injury.
- Do not try to disassemble the damper unit if the disassembly procedure is not described in the Model Specific Manual. Disassembly can lead to a release of gas under high-pressure which can cause an injury.

Check the damper unit for deformation or oil leakage and replace if necessary.

Check the damper rod for straightness or stepped wear and replace if necessary.

Check the damper bump rubber for fatigue or damage and replace if necessary.

