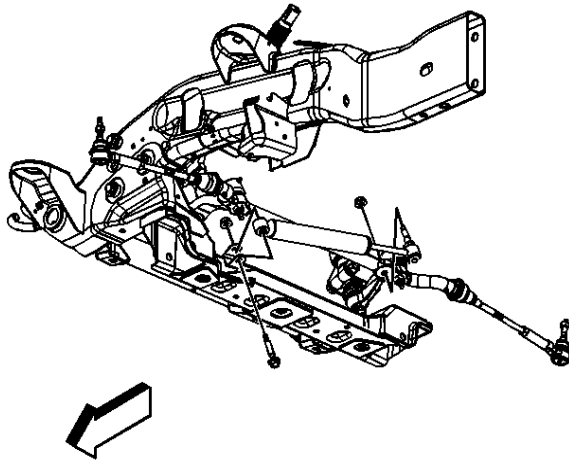


Steering Linkage Shock Absorber Replacement

Tools Required

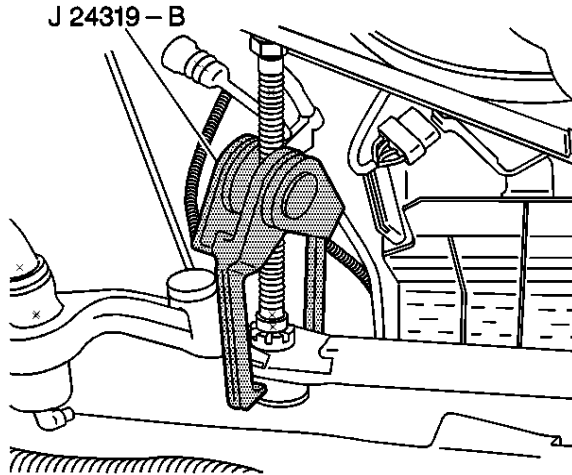
- [J 24319-B](#) Universal Steering Linkage Puller
- [J 29193](#) Steering Linkage Installer (12 mm)

[Removal Procedure](#)

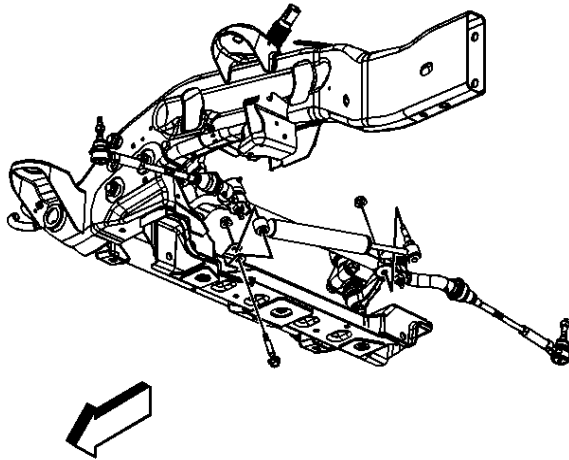


- Raise the vehicle. Support the vehicle with safety stands. Refer to [Lifting and Jacking the Vehicle](#) .
- Remove the engine protection shield. Refer to [Engine Protection Shield Replacement](#) .
- Remove the steering linkage shock absorber ball stud nut.

Do not reuse the nut.

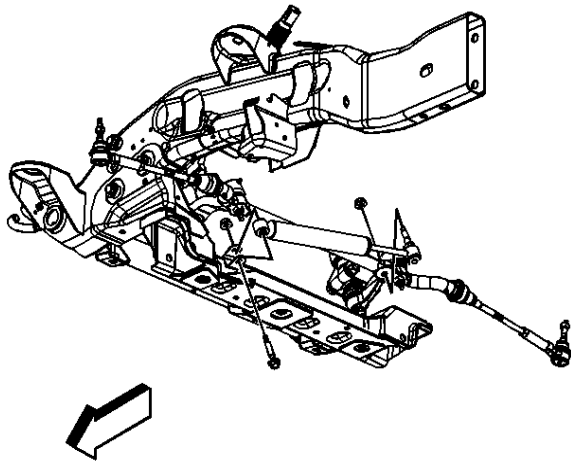


- Remove the shock absorber ball stud from the relay rod using the [J 24319-B](#) .



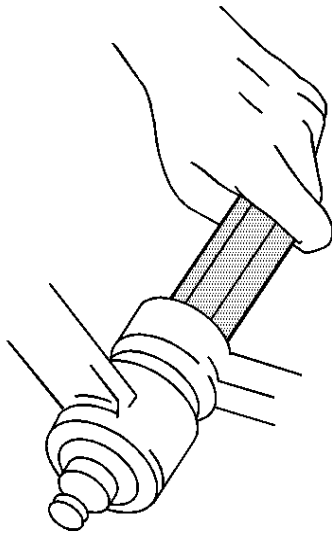
- Remove the shock absorber mounting bolt and the nut.
Do not reuse the bolt or nut.
- Remove the shock absorber from the vehicle.
- Inspect the shock absorber for leaks and damage.

[Installation Procedure](#)



- Install the shock absorber.
- Install the new mounting bolt and a new prevailing torque nut.
- Install the shock absorber ball stud to the relay rod.

Notice: Refer to [Fastener Notice](#) in the Preface section.



- Install the [J 29193](#) .

Tighten the steering linkage installer in order to seat the ball stud in the relay rod.

Tighten

Tighten the steering linkage installer to 32 N·m (24 lb ft).

- Remove the [J 29193](#) .
- Install the prevailing torque nuts.

Tighten

- Tighten the mounting nut to 40 N·m (30 lb ft).
- Tighten the ball stud nut to 40 N·m (30 lb ft).
- Install the engine protection shield. Refer to [Engine Protection Shield Replacement](#) .
- Lower the vehicle.