

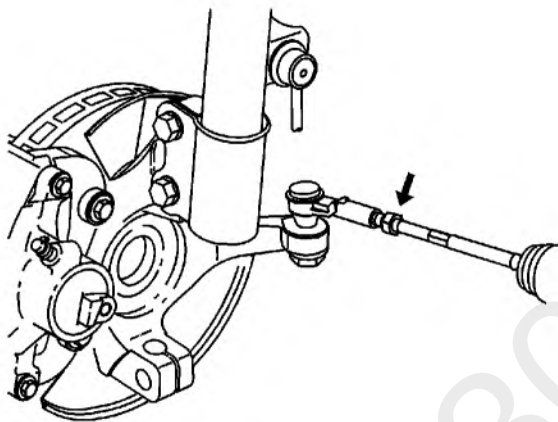
Steering Linkage Outer Tie Rod Replacement

Special Tools

[J 24319-B](#) Steering Linkage and Tie Rod Puller

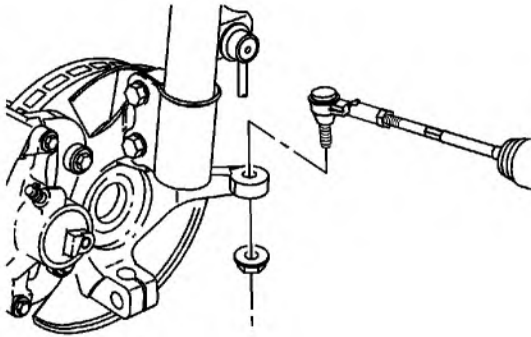
Removal Procedure

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the front tire assembly. Refer to [Tire and Wheel Removal and Installation](#).



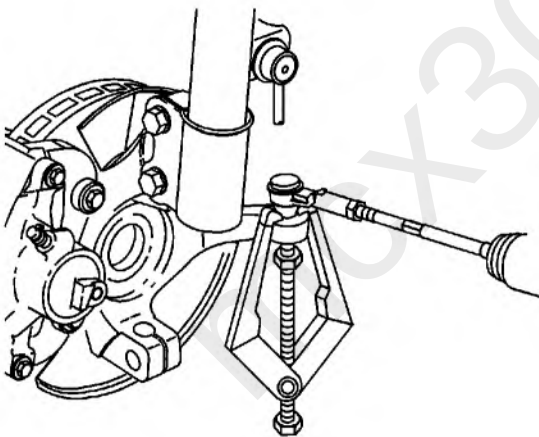
Note: Mark the location of the jam nut for installation.

3. Loosen the tie rod inner jam nut.



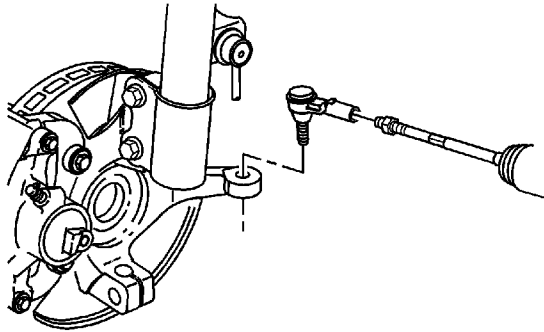
Note: Hold the ball stud to prevent turning during removal of the nut.

4. Remove the tie rod to knuckle nut. Discard the nut.



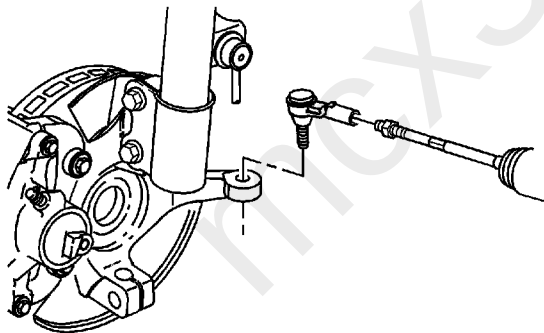
Caution: Do not free the ball stud by using a pickle fork or a wedge-type tool. Damage to the seal or bushing may result.

5. Use the [J 24319-B](#) to separate the tie rod from the steering knuckle.



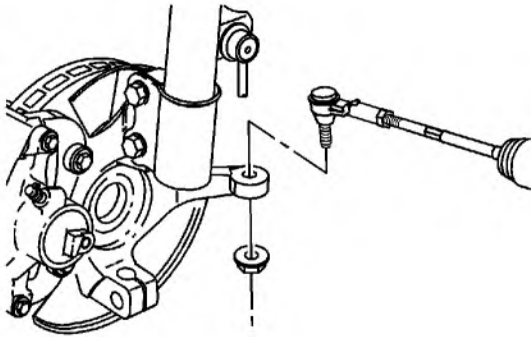
6. Remove the outer tie rod from the inner tie rod.

Installation Procedure



1. Install the outer tie rod to the inner tie rod.
2. Connect the tie rod to the knuckle.

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



3. Install a new tie rod retention nut and tighten to **25 N·m (18 lb ft) plus 90 degrees**.
4. Install the front tire assembly. Refer to [Tire and Wheel Removal and Installation](#).
5. Check the wheel alignment. Refer to [Wheel Alignment Measurement](#).