

**Thank you and congratulations on the purchase of a Tie Rod Sleeve Kit. Please make sure this kit will fit your vehicle using the application information below:**

**APPLICATIONS:** 1999-2006 GMC/Chevrolet - Select Full Size Trucks, SUVs & Hummers  
1999-2008 GMC/Chevrolet 2500HD, 3500 (Tie Rod must be M14 x 1.5 thread)

### BEFORE STARTING THE INSTALLATION:

**Please read this entire instruction sheet over very carefully before attempting to complete this procedure.**

It is recommended to have a front end alignment performed once the installation is complete to ensure correct vehicle handling and maximum tire life is attained.

### REQUIRED TOOLS

- Floor jack
- Jack stands
- Large adjustable wrench
- Large hammer or tie rod puller
- ½" drive ratchet and 21 mm socket
- ½" drive torque wrench, accurate @35 lbs.ft

### INSTALLATION PROCEDURE

- 1 Raise the front end of the vehicle enough that the front wheels are off the ground. Insert the jack stands under the frame, lower the floor jack until the jack stands support the vehicle. Keep the floor jack raised under the vehicle as an additional safety device.

Install the tie rod sleeve on one side of the steering at time.

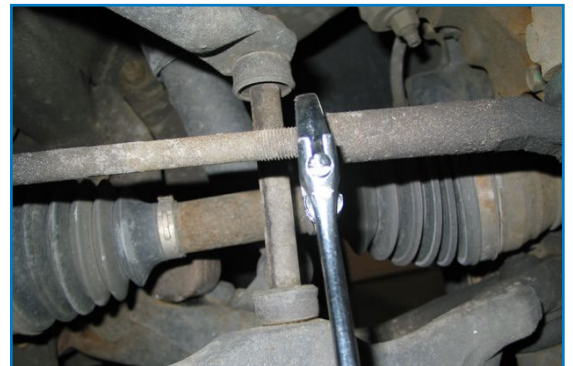
- 2 Using a large adjustable wrench, loosen the inner tie rod link lock nut.

- 3 Using the 21mm socket, remove the tie rod end retaining nut (as shown in Figure 3).

Remove the tie rod end from the spindle, a puller is the best method for removal but a large hammer and a good hit to the spindle (where the stud goes through) should work.

- 4 When removing the tie rod end from the center link, count the exact number of turns it takes until it completely comes out of the center link. This is for re-assembly, record the number of turns.

**Be careful that the center link does not turn when removing.**



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- 5 Remove the lock nut from the link and discard.  
Install the sleeve, as far on as possible, with the wrench flats towards the tie rod.
- 6 Install the tie rod link back into the center link the exact same number of turns it took to remove it.
- 7 Install the outer tie rod end back into the spindle, install the factory nut and torque to 35 lbs.ft.
- 8 Tighten the replacement sleeve against the tie rod, the sleeve is now the lock nut. (See Figure 8 as reference)
- 9 **Repeat Steps 3 to 9 on the opposite side of the vehicle.**
- 10 Grease tie rod ends and center link prior to driving the vehicle.
- 11 Remove the jack stands and floor jack.
- 12 Have a certified alignment shop check and adjust the alignment, if necessary.

### IMPORTANT

Retorque the spindle lock nut after the first 50 miles

***Congratulations!***

***You have completed the installation***



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