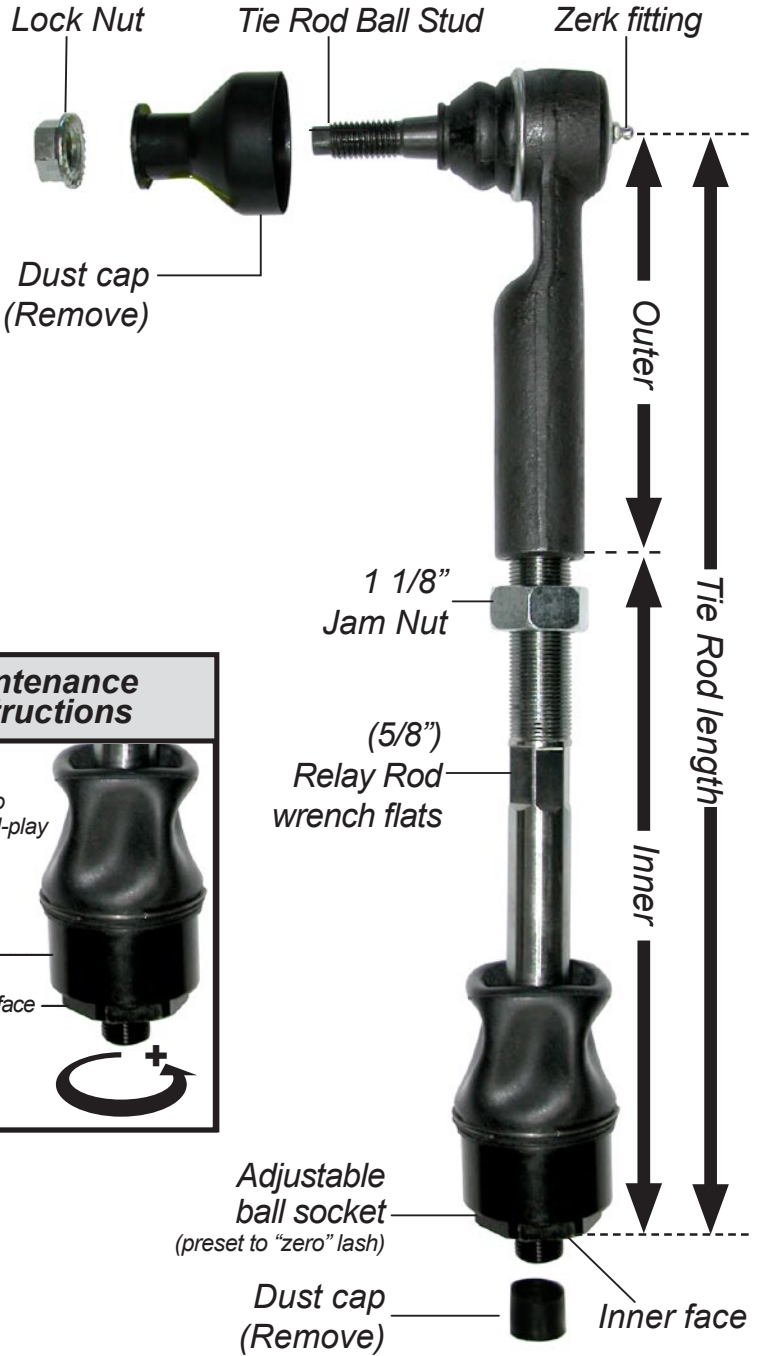


**Stage2**  
**Tie Rod Assemblies**  
**2001-2010**  
**GM 2500/3500HD Trucks**  
(158031000)

***Installation Instructions***



**Maintenance Instructions**

Adjustment to eliminate end-play

Use pliers to secure here

Tighten inner face

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**Installation:** *Instructions for installation of new PPE Tie Rods to be performed on each side.*

*Remove front wheels and engine shield.*

- Step 1:** *Locate installed tie rods.*
- Step 2:** *Remove Lock Nut from outer Tie Rod Ball Stud. Use a tie rod fork tool to remove Tie Rod Ball Stud from tapered hole in Steering Knuckle.*
- Step 3:** *Unthread inner Tie Rod End from centerlink.*
- Step 4:** *Clean tapered hole and threaded end of center link.*
- Step 5:** *Measure length on removed tie rod from inner face to the center of the grease fitting.*
- Step 6:** *Using measurement from Step 5, adjust the length of the new PPE Tie Rod assembly to match the length of the old assembly.*
- Step 7:** *Tighten Jam Nut to lock length using a 1 1/8" wrench.*
- Step 8:** *Apply "red thread locker" and thread in the inner Tie Rod face to centerlink. Torque to 74 lb. ft.*
- Step 9:** *Insert tapered stud into tapered hole in spindle boss. Attach Lock Nut.*
- Step 10:** *Tighten lock nut using a 20 mm wrench. Torque to 48 lb. ft.*
- NOTE:** *A 9 mm wrench can be used to secure stud while tightening the Lock Nut.*
- Step 11:** *Grease outer Tie Rod end and center link with high-grade lubricant.*
- Step 12:** *Perform and confirm proper alignment and clearance. Longer sway bar end links may be required.*
- Step 13:** *To adjust toe, use 5/8" wrench on the inner flats if adjustment is necessary.*
- Step 14:** *Confirm/tighten set screws on Tie Rod inners.*
- Step 15:** *Steering wheel and toe adjustment will need to be adjusted to factory specs with a professional alignment.*