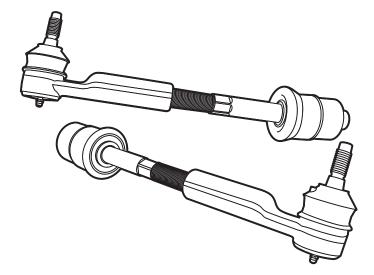


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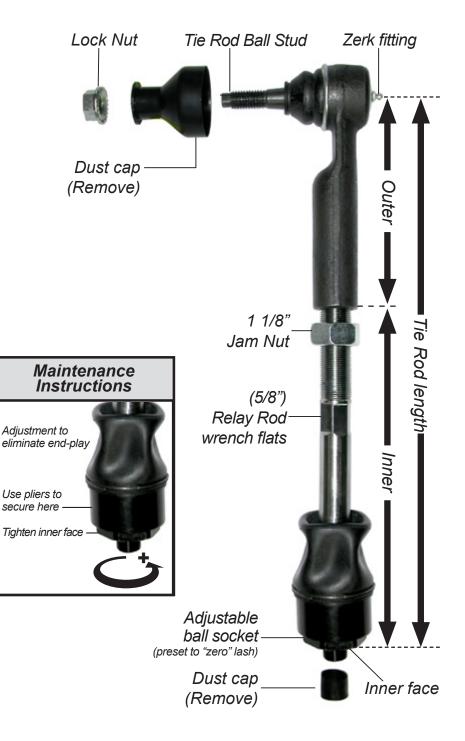


Stage2 Tie Rod Assemblies 2001-2010 **GM 2500/3500HD Trucks** (158031000)

Installation Guide

Rev: 01/21/22 | v4





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 highgrade 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.

DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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