



## HARD CORE STEERING ★ SUSPENSION PRODUCTS

### KRYPTONITE SERIES TIE RODS

(FOR 2011-Current GMC/CHEVY 2500HD/3500HD)

**\*REMEMBER, AT ANY TIME YOUR NEW TIE RODS CAN BE UPGRADED TO THE KRYPTONITE SS SERIES CENTER LINK**

**IMPORTANT! READ THE INSTRUCTIONS BEFORE INSTALLATION!**

NOTE: TRUCKS WITH LIFT KITS OR MODIFIED SUSPENSION MAY FIND IT NECESSARY TO SHORTEN TIE ROD BODIES TO COMPLETE VEHICLE ALIGNMENT WITHIN SPECIFICATIONS

**A professional front end alignment will be required after installation is complete!**

It is important to read all instructions from start to finish beginning installation. If these instructions are not properly followed suspension and tire damage can result.

Vehicles with oversized tires should check ball joints, pitman and idler arms every 2500 to 5000 mile for excessive wear, replace as needed. We offer a wide range of heavy duty lifetime warranted steering and suspension parts at [kryptoniteproducts.com](http://kryptoniteproducts.com).

**The parts in this kit are pre-greased at shipment, do not over grease!  
Damage to boots may occur. Damage resulting from improper installation will not be covered under warranty!**

#### Parts Included;

- Kryptonite Tie Rods (Pair)
- Installation Instruction Package

#### Tools Required;

- Floor Jack and Jack Stands
- Torque Wrench
- Tape Measure
- Large Hammer
- 21mm deep socket
- 3/4" Deep socket
- 1 7/16" Open end wrench
- 2" Open end wrench



## Installation Instructions:

1. Find a clean level workspace, using a vehicle jack find the appropriate place to jack the front end of the truck off of the ground, letting the front suspension drop enough to remove both front wheels. Place 2 Jack Stands under front section of frame. Make sure vehicle is properly supported by stands before removing the jack. **Never work under an improperly supported vehicle. If you are unsure of this, please stop and consult a professional!!**
2. Start on drivers side of the truck. Remove the nut securing the tie rod to the spindle. Using a large hammer, strike the outer joint upwards to free from the spindle. **Use care not to hit the brake rotor and only the outer shaft.**
3. Locate the inner tie rod where it connects to the center link. Using a large crescent wrench remove the inner rod end from the center link, then remove the entire tie rod assembly from the truck as one piece.
4. Repeat steps 1 through 3 on the passenger side of the truck.
5. With the tie rod assemblies removed from the truck, measure the overall length of both the driver and passenger side tie rod assemblies. Write down both measurements.

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**\*Driver;**

**\*Passenger;**

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6. Using a clean rag and degreaser clean all grease and debris out from the threads on the center link ends.
7. Now, remove your new Kryptonite tie rods from the box and adjust the new tie rod assemblies to the same overall length that you previously recorded. **When adjusting your new tie rods try to center the hex shaft, so there are equal threads on both inner and outer sides for maximum strength.**
8. You can now begin reassembly using high strength loctite, thread the inner rods into the center link and tighten to 100 ft.lbs using 2" open end wrench or large crescent wrench.
9. Slide the outer rod shaft into the factory spindle and thread the nut. Tighten the outer rod nut to 38 ft.lbs.
10. With both sides of the truck still securely off the ground, cycle the steering left and right from stop to stop. Make sure there is plenty of clearance between your new tie rods and surrounding components.
11. **Finally get to an alignment professional as soon as possible to align the truck to factory specifications, as to avoid premature tire wear and possible steering and suspension wear or damage.**

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