



**INSTALLATION INSTRUCTIONS
G.M. HEAVY DUTY OUTER TIE ROD SYSTEM**

**FTS71002/ FTS71006/FTS71005
2001-2017 Chevy 2500HD 2&4wd
2003-2009 HUMMER
WITH FABTECH SUSPENSION**

PARTS LIST:

	FTS71002	TIEROD ASSY KIT DRVR & PASS 6"
2	FT20211	TIE ROD ASSEMBLY 6"
1	FT71002i	INSTRUCTIONS
2	FTLOCK	THREAD LOCKING COMPOUND 1 MIL

	FTS71006	TIEROD ASSY KIT DRVR & PASS 6"
2	FT20509	TIE ROD ASSEMBLY 6"
2	FT71006I	INSTRUCTIONS
1	FTLOCK	THREAD LOCKING COMPOUND 1 MIL

	FTS71005	TIEROD ASSY KIT DRVR & PASS 4"
2	FT20529	TIE ROD ASSEMBLY 4"
2	FT71005I	INSTRUCTIONS
1	FTLOCK	THREAD LOCKING COMPOUND 1 MIL



READ THE FOLLOWING BEFORE BEGINNING INSTALLATION

DO NOT ALTER THE FINISH OF THESE COMPONENTS, EXAMPLE- CHROMING, ZINC PLATING OR PAINTING. CHANGING THE FINISH CAN CAUSE STRUCTURAL FATIGUE OF COMPONENTS.

CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THE KIT. IF ANY PIECES ARE MISSING, CONTACT FABTECH AT 909-597-7800.

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE.

VEHICLES THAT WILL RECEIVE OVERSIZED TIRES SHOULD CHECK BALL JOINTS, TIE RODS ENDS AND IDLER ARM EVERY 2500-5000 MILES FOR WEAR AND REPLACE AS NEEDED.

A VEHICLE FRONT END ALIGNMENT MUST BE COMPLETED BEFORE INSTALLATION OF THIS STEERING SYSTEM

THE PARTS INCLUDED IN THIS KIT NEED TO BE GREASED AT ALL THE GREASE FITTINGS BEFORE DRIVING THE TRUCK, FALIURE TO DO SO WILL VOID THE ENTIRE WARRANTY.

THIS KIT IS DESIGNED TO BE USED IN CONJUNCTION WITH FABTECH CROSSMEMBER LIFT SYSTEMS ONLY.

Tool List: (NOT INCLUDED)

- Floor Jack & Jack Stands
- Assorted Metric & S.A.E Sockets
- Torque Wrench
- Large Hammer
- Large Crescent Wrench
- Tape Measure

INSTALLATION INSTRUCTIONS

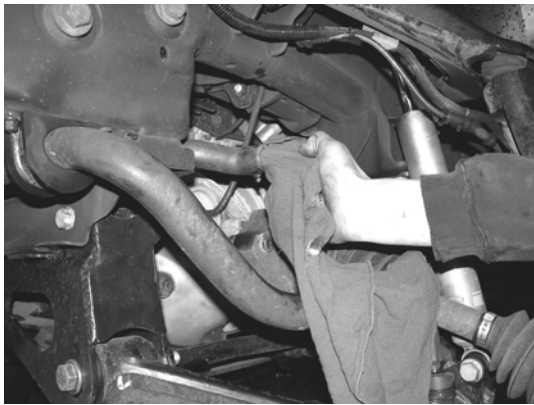
1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. Remove the front tires.
NEVER WORK UNDER AN UNSUPPORTED VEHICLE!
2. Starting on the driver's side of the truck, remove the nut securing the tie rod end to the spindle. Using a large hammer strike the spindle to break loose the tie rod end. Save the factory hardware. **USE CARE TO NOT HIT THE THREADS OF THE TIE ROD END.** SEE PHOTO BELOW.



3. Locate the inner tie rod end nut where it connects to the center link. Using a large Crescent wrench remove the inner tie rod end from the center link and remove the inner and outer tie rod end from the truck as one piece.
4. With the tie rod off the truck measure the overall length of the inner and outer Tie Rod assembly. Record the length.

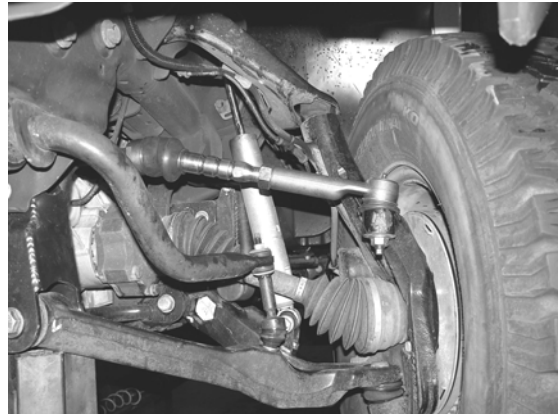
Driver _____ Passenger _____

5. Repeat steps two through four on the passenger side of the truck.
6. Using a clean rag and a grease dissolving solvent clean all the grease out from the threads where the inner tie rod ends connect to the center link. SEE PHOTO BELOW.



7. Locate inner and outer Tie rod pieces. Connect them together, make sure to assemble the jam nut onto the inner tie rod end before assembling the outer tie rod to it. Adjust the tie rod assembly to the previously recorded tie rod lengths. Assemble the supplied grease fitting to the top of the outer tie rod end.
8. Working from the driver's side of the truck, attach the previously assembled inner/outer tie rod assembly to

the factory center link. When installing the inner Tie Rod end you will need to put a small amount of the supplied thread locking compound on the threads on the inner Tie Rod end before installing it to the center link. You will need use a large Crescent wrench to tighten the new tie rod end to the center link. Torque to 100 ft. lbs. SEE PHOTO BELOW.



9. Slide the outer Tie Rod end into the spindle and torque the nut to 35 FT LBS.
10. Repeat steps eight and nine on the passenger side of the truck.
11. **USING A GREASE GUN, GREASE ALL THE GREASE FITTINGS ON THE IDLER ARM, PITMAN ARM, CENTER LINK, AND TIE ROD ENDS.**
12. With both sides of the truck completely finished and the truck still off the ground, cycle the steering left to right from stop to stop. Make sure there is plenty of clearance between the ABS lines and all other components.
13. Reinstall the tires onto the truck and torque the lugs to factory specifications, which can be found in the owner's manual. Set the truck back on the ground and cycle the steering left to right from stop to stop. Make sure there is plenty of clearance between the ABS lines and all other components, including the wheel and tire to the new tie rod end.
14. Recheck all nuts and bolts for proper torque tightness before driving. Align the truck to the factory specifications before driving. Recheck after 50 miles.
15. Check front-end alignment and set to factory specifications.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.

For technical assistance call: 909-597-7800

Product Warranty and Warnings-

Fabtech provides a Limited Lifetime Warranty to the original retail purchaser who owns the vehicle, on which the product was originally installed, for defects in workmanship and materials.

The Limited Lifetime Warranty excludes the following Fabtech items; bushings, bump stops, ball joints, tie rod ends, limiting straps, cross shafts, heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days from the date of purchase for defects in workmanship.

Take apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. All other shocks are covered under our Limited Lifetime Warranty.

Fabtech does not warrant any product for finish, alterations, modifications and/or installation contrary to Fabtech's instructions. Alterations to the finish of the parts including but not limited to painting, powdercoating, plating and/or welding will void all warranties. Some finish damage may occur to parts during shipping which is considered normal and is not covered under warranty.

Fabtech products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities. (A "RACE" is defined as any contest between two or more vehicles, or any contest of one or more vehicle against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America.

Installation of most suspension products will raise the center of gravity of the vehicle and will cause the vehicle to handle differently than stock. It may increase the vehicle's susceptibility to a rollover, on road and off road, at all speeds. Extreme care should be taken to operate the vehicle safely at all times to prevent rollover or loss of control resulting in serious injury or death. Fabtech front end Desert Guards may impair the deployment or operation of vehicles equipped with supplemental restraining systems/air bag systems and should not be installed if the vehicle is equipped as so.

Fabtech makes every effort to ensure suspension product compatibility with all vehicles listed in the catalog, but due to unknown auto manufacturers production changes and/or inconsistencies by the auto manufacturer, Fabtech cannot be responsible for 100% compatibility, including the fitment of tire and wheel sizes listed. The Tire and Wheel sizes listed in Fabtech's catalog are only a guideline for street driving with noted fender trimming. Fabtech is not responsible for damages to the vehicle's body or tires.

Fabtech's obligation under this warranty is limited to the repair or replacement, at Fabtech option, of the defective product only. All costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty. Fabtech is not responsible for damages and/or warranty of other vehicle parts related or non related to the installed Fabtech product. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse as determined by Fabtech.

Fabtech suspension components must be installed as a complete system including shocks as shown in our current catalog. All warranties will become void if Fabtech parts are combined and/or substituted with other aftermarket suspension products. Combination and/or substitution of other aftermarket suspension parts may cause premature wear and/or product failure resulting in an accident causing injury or death. Fabtech does not warrant products not manufactured by Fabtech.

Installation of Fabtech product may void the vehicles factory warranty; it is the consumer's responsibility to check with their local vehicle's dealer for warranty disposition before the installation of the product.

It is the responsibility of the distributor and/or the retailer to review all warranties and warnings of Fabtech products with the consumer prior to purchase.

Fabtech reserves the right to supercede, discontinue, change the design, finish, part number and, or application of parts when deemed necessary without written notice. Fabtech is not responsible for misprints or typographical errors within the catalog or price sheet.