



Empire Performance Engineering recommends that a certified technician install this system. In addition to these instructions, professional knowledge of disassembly/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read all the instruction before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. Also please review the tools needed list and make sure you have the needed tools.

Product Use Information

Do not add or alter this Empire Performance Engineering product. We will not be responsible for any product that is altered.

Notice To Dealer And Vehicle Owner

Any vehicle equipped with any Empire Performance Engineering suspension product must have the "Warning to Driver" decal installed on the sun visor or dash. **Installing Dealer:** It is your responsibility to install the warning decal.

Tools Needed:

- Floor Jack
- Jack Stands
- 18MM Socket
- 22MM Wrench
- 36MM Wrench

Kit Contents:

- (2) Tie Rod End Sleeves

Empire Performance
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Thank You For Choosing Empire Performance Engineering For Your Suspension Needs



Installation Instructions

1. Straighten the front wheels on the vehicle and chock the rear wheels.
2. Jack up the front of the vehicle and place jack stands under the frame rails. Lower the vehicle onto the jack stands.
3. Remove the tires/wheels

4. Installation performed one side at a time starting on the driver side. Remove the tie rod from the knuckle using a 22mm wrench. Remove the tie rod from the knuckle by striking the knuckle as shown. Retain the hardware for reuse.	
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5. Remove the tie rod from the vehicle using a 36mm or equivalent wrench.

6. Using a tape measure, record the total length of the tie rod and the location of the tie rod end. This will ensure the vehicle stays in alignment when the tie road is reinstalled. The stock jam nut will not be reused.	
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7. Disassemble the tie rod using two 22mm wrench.	
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8. Install the new Empire Performance Engineering sleeve on the tie rod. Make sure the sleeve is threaded to the correct location on the stock tie road as recorded in Step 6 and reinstall stock tie rod end.	
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9. Reinstall the tie rod in the vehicle as removed from the steering assembly with a 36mm or equivalent wrench and reinstall on the knuckle using a 22mm wrench.

10. Tighten the tie rod end and sleeve using the sleeve as a jam nut to secure the rod in place using two 22mm wrenches.	
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11. Install the tires and wheels.
12. Jack up the vehicle and remove the jack stands.
13. Lower the vehicle to the ground.

Maintenance Information

It is the ultimate buyers responsibility to have all bolts/nuts check for tightness after the first 100 miles and then after every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles.