



**D8611, D8612, D8613, T8601**  
**2002-2016 Dodge 1500**  
**2007-2016 Toyota Tundra**  
**Replacement Tie Rod Ends**

**Read and understand all instructions and warnings prior to installation of product and operation of vehicle.**

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands.

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» **PRODUCT SAFETY WARNING**

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

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» **TECHNICAL SUPPORT**

*Live Chat* provides instant communication with Zone tech support. Anyone can access live chat through a link on [www.zoneoffroad.com](http://www.zoneoffroad.com). [www.zoneoffroad.com](http://www.zoneoffroad.com) may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to [tech-zone@sporttruckusainc.com](mailto:tech-zone@sporttruckusainc.com) detailing your issue for a quick response.

**888.998.ZONE** Call to speak directly with Zone tech support.

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» **INSTALLATION INSTRUCTIONS**

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle so the tires are off the ground and support with jack stands under the frame rails.
3. Remove the wheel only on the side of the truck receiving a replacement tie rod end.
4. Locate the tie rod end and take a reference dimension from the tie rod end to a location on the tie rod. Typically the end of the plastic/rubber tie rod boot near the inside of the tie rod works best. This dimension will help get the alignment close so the vehicle can be driven to the alignment shop.
5. Loosen the tie end jam nut.
6. If equipped, remove the tie rod end cotter pin. A new cotter pin will be provided when necessary.
7. Remove the tie rod end nut. Strike the steering knuckle near the tie rod end to dislodge the taper. Remove the tie rod end from the steering knuckle.
8. Unthread the tie rod end from the tie rod and replace with the new provided end.
9. Install the new tie rod end into the steering knuckle and fasten with the provided hardware. Torque the tie rod end nut to 55 ft-lbs.
10. If equipped, install the new provided cotter pin. Do not loosen the nut to align the cotter pin hole, only tighten.
11. Adjust the tie rod end using the dimensions taken earlier. Lock off the jam nut securely.
12. Grease the tie rod end until grease boot is filled.
13. Install the wheels and lower the vehicle to the ground. Torque lug nuts to the proper specifications.
14. Vehicle will require the toe-in to be checked and adjusted as necessary. It is recommended to have a complete front end alignment preformed.
15. Check hardware after 500 miles.

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