



Chevy/GMC Tie Rod (KIT108, KIT109, KIT110)

At Apex, customer safety is our top priority, and steering is a CRITICAL safety component.

****Be sure the installer has read and follows these instructions****

Failure to follow these instructions may result in loss of control of the vehicle, accident, and injury.

Failure to follow install instructions and use correct install tools may also void the warranty.

Install instructions should follow vehicle through entire install process, including alignment, which requires safety-critical torque and process to complete.

Installation Instructions:

1. Start by measuring where the center of the ball stud connects to the knuckle then to end of the inner tie rod that connects to the rack. Write down this measurement for later use.
2. Disconnect the outer tie rod from the knuckle.
3. With an **Inner Tie Rod Removal Tool** remove the inner tie rod from rack.
4. Thread the inner tie rod into the steering rack and tighten to **100 ft/lbs** using **Tie Rod Removal Tool and a Torque Wrench**.
5. Thread the outer tie rod to adjust to the measurement taken in Step 1.
6. Before installing the ends, apply a light layer of grease to the top of the boot. This will create a lubricated surface between the boot and the joint, helping to reduce friction.
7. Install the outer tie rod into the knuckle and tighten castle nut torque castle nut to **48 ft/lbs**.
8. Install cotter pins. If you cannot see through the castle nut and stud, continue tightening until the cotter pin can pass through.
9. We recommend using medium-strength thread locker (blue Loctite 243 or blue Permatex 24206 or other preferred brand) under the jam nuts, then tighten jam nut to **60 ft/lbs**.
10. Install the grease zerks. Apex tie rods are pre-greased; however, a small amount can be added if necessary. **DO NOT OVERGREASE.**

*****Over greasing can cause boots to rip or come apart which isn't covered under warranty**

11. Repeat the process on the other side.
12. At this point we highly recommend engaging a professional to get the alignment set.
13. Check boots and jam nut torque at oil change intervals

If you have any questions or concerns, please don't hesitate to give us a call or email.

Thank you,
Team Apex
sales@apexchassis.com
480-470-5500