

Carli Suspension
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Corona, CA 92880



Tech Support:
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CS-DPRB-03

NOTE:

We Recommend installation be performed by a trained professional. Please review the product instructions prior to attempting installation to ensure installer is equipped with all tools and capabilities necessary to complete the product installation. We recommend thoroughly reading the instructions at least twice prior to attempting Installation.

Before beginning disassembly of the vehicle, check the “What’s Included” section of the instructions to ensure you’ve received all parts necessary to complete installation. Further, verify that the parts received are PROPER TO YOUR application (year range, motor, etc.) to avoid potential down-time in correcting potential discrepancies. Any discrepancies will be handled by Carli Suspension and the correcting products will be shipped UPS Ground.

LIFETIME PRODUCT WARRANTY

Carli Suspension provides a limited lifetime product warranty against defects in workmanship and materials from date of purchase to the original purchaser for all products produced by Carli Suspension. Parts not manufactured by, but made to Carli Suspension’s specifications by third party manufacturers will carry a warranty through their respective manufacturer. (i.e. King Shocks, Bilstein Shocks, Fox Shocks). Deaver Leaf Spring’s warranty will be processed by Carli Suspension.

Proof of purchase (from the original purchaser only) will be required to process any warranty claims. Carli Suspension products must be purchased for the listed Retail Price reflected by the price listed on the Carli Suspension Website at the time of purchase. Carli Suspension reserves the right to refuse warranty claims made by any customer refusing or unable to present proof of purchase, or presenting proof of purchase reflecting a price lower than Carli Suspension’s Retail Price at the time the item was purchased.

Carli Suspension’s Limited Lifetime Warranty excludes the following parts which are subject to wear: Track Bar Bushings, Track Bar Heim Joints, Limit Straps, Control Arm Bushings, Radius Arm Bushings, Shock Bushings, Sway Bar End Link Heim Joints, Shock Seals, Shock Bearings, and Corrosion on Shock Shafts or Bodies. These items will be warranted for a period of 60 days from the date of purchase only if determined to be installed properly signifying manufacturing defect. Carli Suspension cannot warrant a product’s cosmetic finish due to the varying extreme elements that may be encountered.

Any alterations, modifications, or improper installation, of the product will void this warranty. Products should be inspected for defect upon receipt and approved before installation. Any defect in NEW product will be warranted if returned before installation in its original packaging. Carli Suspension’s obligation under this warranty is limited to the repair or replacement of the defective product only. All costs of removal, installation or reinstallation, freight charges, incidental or consequential damage are expressly excluded from this warranty.

Carli Suspension is not responsible for damages and/or warranty of other vehicle parts related or non-related to the installed Carli Suspension product. This warranty shall not apply to any product that has been subjected to accident, negligence, alteration, abuse or misuse as determined by Carli Suspension. Carli Suspension reserves the right to refuse warranty claims if produced parts are combined and/or substituted with other aftermarket suspension products. Combination and/or substitution of other aftermarket suspension components may cause premature wear and/or product failure. Carli Suspension reserves the right to change/alter product without obligation to update any previously purchased products.

What's Included

- Track Bar
- (Qty 2) 14MM Reducer Sleeve
 - For each end, if needed.
- Uniball (Pre-installed)
 - (Qty 2) 16MM Misalignment Spacers
- 7/8" Heim Joint
 - Jam Nut
 - (Qty 2) 16MM Misalignment Spacers

Disassembly:

1. With the truck on the ground, remove O.E.M track bar from the vehicle. The truck can be under its own weight or on a lift; this step is at the discretion of the installer. If you're disassembling with the truck on the ground, steering the truck all the way to the right will help gain access to the lower track bar bolt without removing the steering.

Installation:

2. Remove the heim joint from the end of the Carli track bar.
3. Thread the jam nut to the end of the shank so it's tight against the housing.



4. Apply a light coat of anti-seize to the last few threads on the rod-end and thread it half-way into the end of the bar.



5. Insert 2 of the 16mm, silver misalignment spacers into the Uniball end (Bearing on the frame side of the track bar pre-installed with a snap-ring).
6. Secure the frame end of the track bar (with mis-alignment spacers installed) in a bench vice and use a block of wood to elevate the heim joint (axle) end.

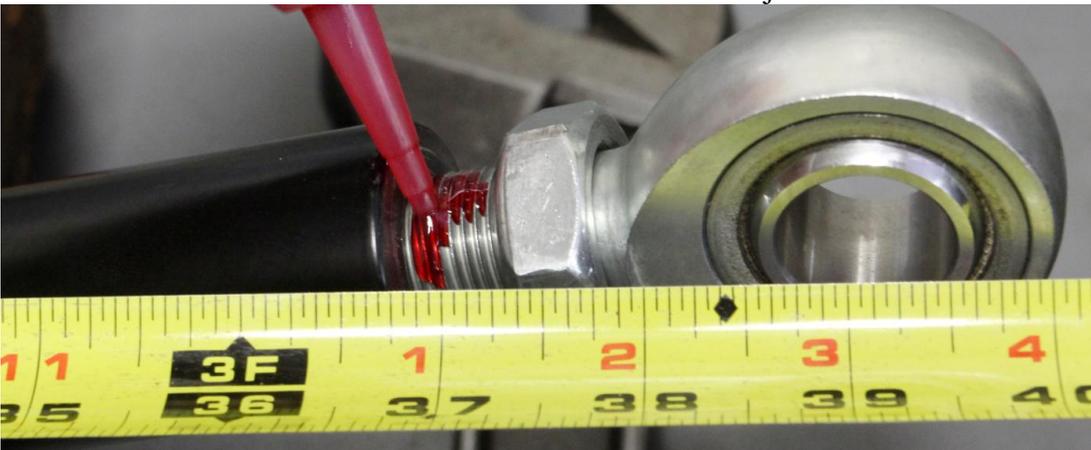


7. For a 2"-3" of front lift, set the Carli adjustable track bar to 39-1/8" from the center of the heim to the center of the uniball.

NOTE: Factory height trucks will require the track bar to be set to 38-7/8". This measurement is also applicable to any lift that utilizes a track bar drop bracket meant for the factory track bar. This track bar will NOT fit into any Carli Track Bar Drop Bracket preceding September, 2015 production! For 6" Carli kits, set to 39" C-C.



8. **APPLY RED-LOCTITE TO THE THREADS** where the jam nut will assemble to the end of the track bar.



9. **THIS STEP IS VERY IMPORTANT:** Torque the jam nut to 200 ft.lbs (preferably using a crow's foot or large

crescent wrench) ensuring the alignment of the rod-ends is parallel to one another. It may take a few tries to get the two ends parallel as the rod end often turns when nearing 200ft.lbs. The Jam-Nut is what holds the axle end together and it's IMPERATIVE for it to be extremely tight and have red-loctite on it.

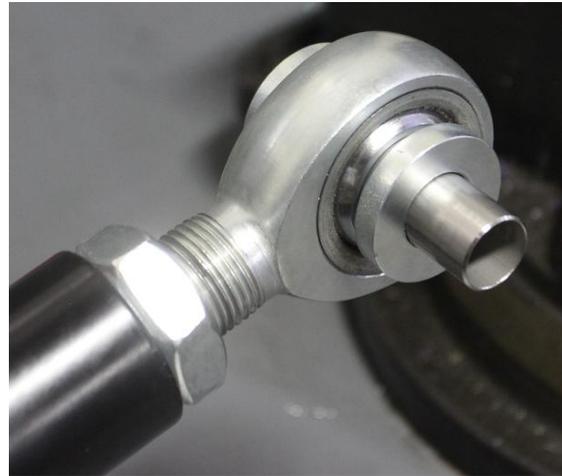


10. Confirm ends remained parallel during torquing.

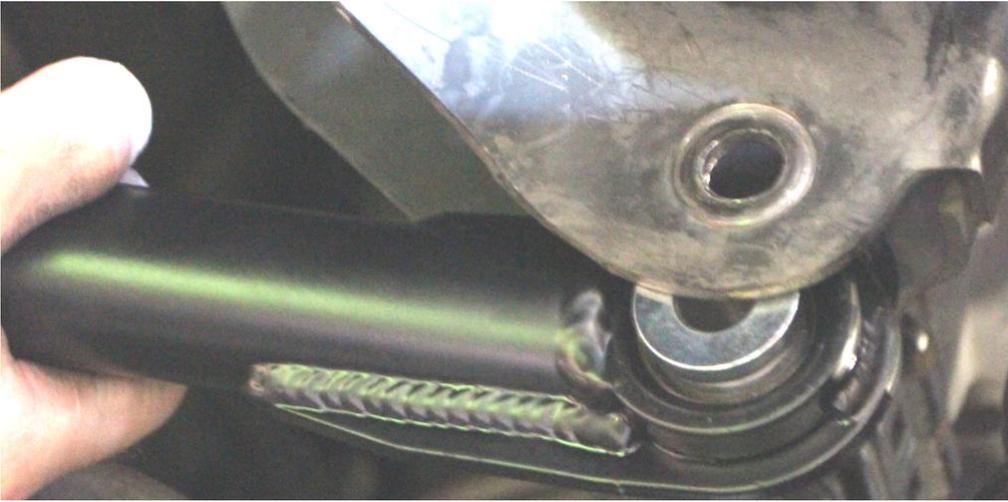


11. Included with the Carli Track Bar were (Qty. 2) **16MM outside diameter, 14MM inside diameter Reducer sleeves** (one shown in picture on the following page) to accommodate all bolt configurations on 2003-2012 Ram Trucks. Early trucks have all 14MM factory hardware, late models have 16MM, 2006-07 have a mix of the two. If either of the factory bolts have an 18MM head (or simply, *if the included reducer sleeve fits over the factory bolts*), inset the reducer sleeve into the assemble joint (as pictured) to accommodate the 14MM bolt size before installing the track bar! If the factory Bolt has a 21MM Head, Use only the provided 16MM Mis-alignments spacers in the Uniball and nothing in the Johnny Joint. **DO NOT ATTEMP INSTALLATION WITH 16MM HARDWARE AND THE INCLUDED REDUCERS.**

12. Assemble mis-alignment spacers to the heim joint (include reducer if installing with 14mm hardware). Secure the assembly with a zip-tie while you assemble the other side.



13. Remove the bar from the vice.
14. Remove the mis-alignment spacers from the uniball for re-installation to follow once the bar has been installed in the passenger side.
15. With the bar now assembled, slide the assembled heim joint with misalignment spacers (& reducer sleeve where applicable) into the axle pocket and assemble with the factory hardware to be torqued later.
NOTE: The bend at the frame side of the track bar should protrude forward.
16. Re-install the uniball spacers install the reducer sleeve if the truck has a 14mm upper bolt.
17. Slide the Uniball assembly into the frame side bracket and install factory bolt and nut to secure the uniball.
NOTE: If the bar won't align with the upper bracket, key the truck on and have someone move the steering wheel until you're able to insert the bolt. You will need to extend the drag link to recenter the steering wheel after lifting the vehicle during your alignment anyway.



- 18.** Torque the Upper assembly to:
 - 185ft.lbs if utilizing the factory, 14MM hardware and reducer sleeve
 - 225ft.lbs if utilizing the factory 16MM hardware
- 19.** Torque the lower assembly to:
 - 185ft.lbs if utilizing the factory, 14MM hardware and reducer sleeve
 - 225ft.lbs if utilizing the factory 16MM hardware
- 20.** Have truck aligned, or straighten wheels and adjust the steering drag link (longer) to straighten the steering wheel.
- 21.** Periodically, check the assembly to ensure it remains torqued!