



CS-RAM15UCA-09
1500 Upper Control Arms

Carli Suspension, Inc.
596 Crane St.
Lake Elsinore, CA 92530
888-992-2754

Note

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.

Parts Checklist

CS-RAM15UCA-09

- (Qty. 1) Ram 1500 Assembled Upper Control Arm, Driver
- (Qty. 1) Ram 1500 Assembled Upper Control Arm, Passenger
- (Qty. 2) Upper Misalignment Spacer — Top of Uniball/Cap Side
- (Qty. 2) Lower Tapered Misalignment Spacer — Bottom of Uniball, Knuckle Side.
- (Qty. 2) 9/16”-18 x 4” long 12-pt Cap Screw
- (Qty. 2) 9/16” SAE Washers
- (Qty. 2) 9/16”-18 Nyloc Nuts
- (Qty. 2) P-Clamp—**2009-18 ONLY**
- (Qty. 2) Self-Tapping Screws—**2009-18 ONLY**



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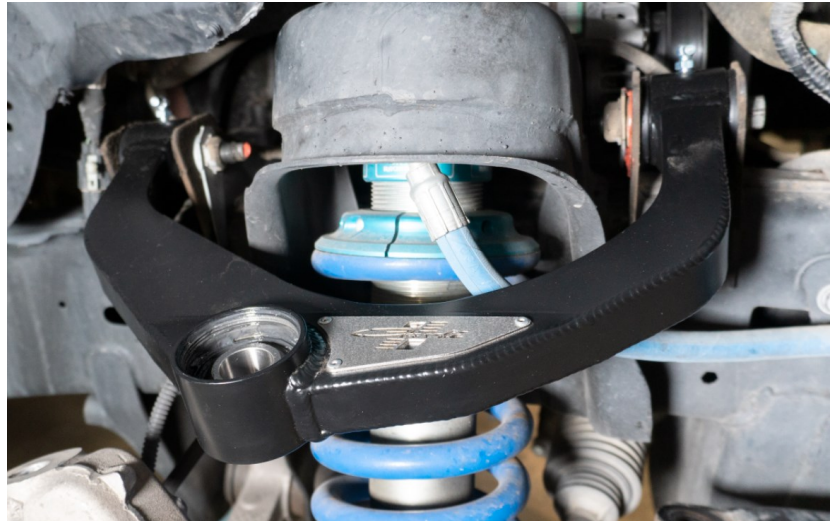
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Installation Instructions

1. Using a jack, lift the front of the truck and support the frame with jack stands. Ensure you jack it high enough to completely droop the front suspension.
2. Remove the Passenger's side wheel/tire.
3. **2009-18 ONLY**— Remove the ABS clip from the control arm.
4. Loosen the upper Ball joint/Spindle nut so it's only engaged a couple threads. Use a Ball Joint Separator to separate the joint; leaving the nut on will ensure the knuckle/arm separation is controlled.
5. Place a jack under the lower control arm/ball joint to ensure the assembly is supported when the upper ball joint is disconnected.
6. Remove Upper Ball Joint Nut to separate the spindle and control arm. Ensure the brake lines and axle are not supporting the weight of the spindle assembly, tie it off to the frame if necessary.
7. Pull the upper control arm up away from the spindle and remove the 2 bolts securing the arm to the chassis and remove the factory arm.
8. Apply a thin layer of grease to the inside of the chassis mounts and exposed bushing surface on the Carli Control Arms.



9. Install the Carli Arms into the chassis mounts using the factory hardware hand tight for now.
10. Remove the cap covering the uniball.



11. Lightly coat the upper misalignment spacer and lower knuckle pin with grease and insert them into the uniball. These are a very tight fit and may require a light tap with a rubber mallet to drive in.



12. Insert the 12-point bolt from the top.
13. Pull the arm downward to seat the taper into the knuckle
14. Thread the washer and nut onto the threads of the 12-point bolt.
15. Using a 9/16" 12-point for the bolt and 7/8" for the nut, hold the head of the bolt and torque the nut to 100lb.ft. to seat the taper.



16. Coat the cap's O-ring with grease
17. Anti-seize the threads on the uniball cap and reinstall hand tight (there should be no gap between the cap and arm) - remove the sticker, if desired.



18. With the hardware hand-tight, grease the arm zerk fittings until the grease gun begins to firm or grease starts coming out of the pockets. **DO NOT USE PNEUMATIC GREASE GUNS** as this will destroy the bushings.
19. Once greased, torque the factory hardware securing the chassis end of the arms to 120lb.ft.. The Carli Arms use a 3-piece busing at the frame unlike the factory vulcanized bushings. For this reason, it is **NOT** required to torque these at ride height with the weight of the vehicle on the suspension.



20. **2009-18 ONLY**—Use provided self-tapping hardware and P-Clamp to secure the loose ABS line to the frame ensuring it won't catch on anything during suspension cycling.
21. Repeat installation on the Driver's side.
22. An alignment will be necessary following the installation of the Carli Control Arms.

