



**CS-RAM15UCA-09  
1500 Upper Control Arms**

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

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**Note**

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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.

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**Lifetime Product Warranty**

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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.

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**Parts Checklist**

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**CS-RAM15UCA-09**

- (Qty. 1) Ram 1500 Assembled Upper Control Arm, Driver
- (Qty. 1) Ram 1500 Assembled Upper Control Arm, Passenger
- (Qty. 2) P-Clamp
- (Qty. 2) Self-Tapping Screws



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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. Remove the ABS clip from the control arm.
4. Loosen the upper Ball joint/Spindle nut so it's only engaged a couple threads. You will need to smack this junction with a dead-blow hammer or use appropriate Ball Joint Separator to separate the joint; leaving the nut on will ensue 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. And install the Carli Arms into the chassis mounts using the factory hardware hand tight for now.
9. Remove the cap covering the uniball.
10. Using a 1/2" - 12-point socket, remove the bolt securing the two-piece Stainless misalignment stud to the uniball.
11. Coat the threads of the 12-point stud with red loctite and reinstall hand tight.
12. Pull the arm downward to meet the factory spindle and secure the nut to the threads on the Stainless Carli spindle pin.



13. Torque the nut to the spindle to 70lb.ft. to seat the taper.
14. With the taper seated in the arm, torque the 12-point stud to which you added red loctite to 115lb.ft. using a 1/2" - 12 point socket.
15. Remove the O-ring from the cap using a pick (be careful not to damage it!) and coat it with a generous amount of grease/oil. This will ensure a good seal and easy removal.
16. Reinstall the O-Ring and coat the cap threads with anti-seize.
17. Reinstall the uniball cap hand tight (there should be no gap between the cap and arm) and remove the sticker, if desired.
18. Using a synthetic chassis grease, grease the arm zerk fittings until the grease gun begins to firm. **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 bushing 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. 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.

