

**CS-CA-10-MS  
CS-CA-03-MS  
CS-CA-94-MS14  
CS-CA-94-MS16  
CS-CA-03-MS**

**CS-DFCA-10  
CS-DFCA-03  
CS-DFCA-94-14  
CS-DFCA-94-16**

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### **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.

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## **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

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- (2) Upper Control Arms
- (2) Lower Control Arms

### CONTROL ARMS - NOTES

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#### 1994-2002 Trucks:

Remove and install new arms, no obstacles exist.

#### 2003-2012 Diesel Trucks:

You must lower, then slide the exhaust (downpipe) rearward to gain access to the upper frame side bolt of the 3rd/4th gen diesel trucks. Ensure to check for sensors in the exhaust on the 07.5 +. There should be sensors and 2 tubes that go into the exhaust. Loosen the downpipe clamp and remove whatever exhaust hangers are necessary to gain access to the upper control arm bolt.

#### 2003-2012 Hemi Trucks:

It is usually required to disconnect the exhaust from the manifold to get to the upper frame side control arm bolts.



## INSTALLATION INSTRUCTIONS

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**Note:** Prior to installation, carefully inspect the vehicles steering and drive train components. Be sure to check ball joints, tie rod ends, pan-rod bar, and control arm bushings. Everything must be tight and in good working condition.

- \*We recommend installation be done by a trained professional.
- \*Read instructions carefully before attempting installation.
- \*Secure and properly block vehicle prior to installation.
- \*Re-torque all nuts and bolts after 500 miles to ensure tightness.
- \*Only do one side at a time!

1. Spray all control arm bolts with penetrating lubricant and let it soak overnight prior to attempting installation.
2. Once penetrating lubricant has had time to free the hardware, jack the vehicle upward and support the vehicle weight with jack stands placed behind the lower control arm mount. Ensure the vehicle is fully dropped and there is no weight on the front axle.
3. Remove Wheel and Tire from the Driver's Side.
4. Loosen all 4 control arm bolts.
5. Place small jack stand under axle for support before removing control arms.
6. Remove lower control arm. If bolts will not loosen and are seized (Normally only in extreme climate situations), a reciprocating saw may be necessary to cut the bolts from the control arms. Use ONLY factory replacement hardware when reinstalling.
7. Remove Upper control arm noting the insertion directions of the factory bolts as the hardware is only intended to work when installed in the proper orientation.
8. Install the control arms in the reverse order: upper first, then lower.  
**NOTE:** Control arms are side and Upper/Lower Specific. Install the arms ensuring they're offset to the inside of the vehicle and the short arms are installed as uppers; long arms as lowers. Each arm is marked with a sticker designating its proper installation location. After installation, Carli sticker should be facing outward and should be closer to the frame than the axle.
9. Again, ensure the bolt orientation is proper and all bolts are installed in the same direction they were removed. Leave all bolts loose until completely finished
10. Set the lower control arm eccentric bolt so the indicator is pointing to the neutral (12 o' clock) position and tighten. This is indicated by the picture displaying the penetrating lubricant soak.
11. Final Torquing:
  - a. 1998.5-13 with 14mm uppers and 16mm lowers: Uppers should be torqued to 120lb/ft. and the lowers to 175lb/ft.
  - b. 1994-98 with 12mm uppers and 14mm lowers: Uppers should be torqued to 90lb/ft. and the lowers to 120lb/ft.
12. Passenger side: Repeat Driver's side process then reinstall exhaust.
13. Have the vehicle's caster realigned to ensure proper cam-bolt positioning.

