

CS-FRAD-05 – 2005-16 Super Duty Radius Arm Drop Brackets

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.



RADIUS ARM DROP BRACKETS AND CROSSMEMBER

- Utilizes factory radius arms, 100% DIY Bolt on
- 1/4" construction, dimple died and crossmember for strength



What's Included

1. Mirrored Ford Radius Arm Drop Brackets
2. Radius Arm Drop Bracket Crossmember
3. Hardware Kit:
 - a. (4) 3/4" x 5.5" Bolts
 - b. (8) 3/4" Washers
 - c. (4) 3/4" Nyloc Nuts
 - d. (4) 3/8" x 1" Bolts
 - e. (4) 3/8" x 1.25" Bolts
 - f. (8) 3/8" C-Lock Nuts
 - g. (8) 3/8" Washers

Installation Instructions

1. Set emergency brake and block rear wheels, in front and behind tires.
2. Lift truck to extend suspension 3 to 4 inches. Do not lift truck all the way.
3. Remove factory transfer case skid plate and hardware.
4. With jack stands supporting the axle and a ratchet strap supporting the pinion, remove rear bolts from radius arms and remove them from the frame mount.
5. Place the Radius Arm Drop against the frame rail ensuring the crossmember bolt holes are oriented to the inside and insert the two front (on each side) 3/4" x 5.5" to hold the drop bracket in place.

NOTE: Every truck is a bit different and the 3/4" holes are a tight tolerance. They might need to be opened a bit on some trucks.



6. Install 3/8"x1.25" hardware into the rear portion of the drop up through the frame rail (nuts on the bottom). Do not tighten at this time.
NOTE: 2011+ vehicles may require drilling two 3/8" holes on the bottom of the passenger side frame rail where the drop bracket meets the frame.
7. Raise the rear of the radius arms up into drop brackets and install factory hardware hand tight.
8. Torque radius arms drop bracket hardware.
Torque 3/4" hardware to 350 lb/ft. and 3/8" hardware to 47 lb/ft.
9. Set truck on the ground and torque the Radius arm pivot to 222lb/ft.
NOTE: Radius arm pivot MUST be torqued at ride height to properly set the pivot bushing.
10. Torque rear radius arm bolts to factory spec.
11. Install new transfer case skid plate using supplied 3/8" hardware. Torque to 25 lb/ft.

