



CS-FRAD-17: 4.5" Lift Ford Radius Arm Drop Brackets

Fitment
2017+ F250/350 4x4

Carli Suspension, Inc.
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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.

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

- | | |
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| <input type="checkbox"/> (Qty. 1) - Carli Radius Arm Drop Bracket, Driver | <input type="checkbox"/> (Qty. 2) - 3/4" x 5" Grade 8 Bolt |
| <input type="checkbox"/> (Qty. 1) - Carli Radius Arm Drop Bracket, Passenger | <input type="checkbox"/> (Qty. 2) - 3/4" x 1.75" Grade 8 Bolt |
| <input type="checkbox"/> (Qty. 2) - 18mm x 130mm Grade 8 Bolt | <input type="checkbox"/> (Qty. 8) - 3/4" Grade 8 Flat Washer |
| <input type="checkbox"/> (Qty. 4) - 18mm Grade 8 Flat Washer | <input type="checkbox"/> (Qty. 4) - 3/4" Crimp-Lock Nut |
| <input type="checkbox"/> (Qty. 2) - 18mm Crimp-Lock Nut | <input type="checkbox"/> (Qty. 2) - 4.5" of 5/32" Vacuum Line Extension |
| | <input type="checkbox"/> (Qty. 2) - 5/32" Barbed Vacuum Line Union |



Disassembly 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 the factory, front shocks.
4. Using an 18mm deep-socket, disconnect the sway bar end links from the factory, front sway bar and pull the sway bar off the link, up against the frame.
5. Place a ratchet strap "safety" around the pinion/driveshaft and a jack stand next to each radius arm.
6. Use a 15/16" socket and 1-1/16" wrench remove the nuts from the radius arm pivot bolts.
7. With the help of an assistant, remove the pivot bolts to drop the radius arms from the factory bracket and rest the radius arms onto jack stands to support them while the radius drops are installed.



Installation Instructions

1. FIGURE 1 - Fit the Carli Radius Drops in place, securing with the 18mm x 130mm bolt in the front position in the factory radius arm bracket, the 3/4" x 5" in the second position and the 3/4" x 1.75" bolt vertically into the crossmember. Each bolt should be accompanied by a washer on the head and nut side with a crimp-lock nut.
2. Torque the 3/4" (1-1/8" socket) crossmember bolt to 300lb./ft.
3. Torque front 18mm (1-1/16" socket) and 3/4" (1-1/8" socket) two bolts to 222lb/ft.
4. Raise the radius arm pivots into the drop brackets and assemble hand-tight using factory hardware. Factory torque spec is 220lb./ft. The weight of the vehicle MUST be on the axle and the truck at ride height when torquing this bolt if using the factory radius arms (vulcanized bushing). If using a Carli Fabricated Radius Arm (or any arm with a spherical bushing/bearing), these can be torqued in the air or on the ground.
5. Find the vacuum line on the motor crossmember located behind the track bar, in front of the oil filter and carefully separate the vacuum hose from the factory barbed fitting.
6. FIGURE 2 - Attach one end of the provided 4.5" vacuum line extension to the factory barbed fitting and insert the union into the end of the extension. Connect the factory vacuum line to union to complete the vacuum line extension.
7. Do the same on the Driver's side vacuum line that follows the differential vent and brake lines. - FIGURE 3
8. Move onto the next step in the kit instruction.

