

## **CS-FFSPF-99 - Excursion & Super Duty Front Full Progressive Spring Pack**

### **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:

1. Carli/Deaver Front Lift Springs & U-Bolts

## NOTES:

- Installing Leaf Springs is a 2 person operation!
- This instruction is intended to be a continuation of a modular, full kit installation; if you're just installing the front leaf springs, there may be additional steps/parts involved not mentioned in this document. The full kit instructions, including disassembly, can be downloaded from the Systems page on our website.

## FRONT LEAF SPRING INSTALLATION INSTRUCTIONS

1. Install extended, stainless brake lines in the front.
2. Pull the bolt from the front leaf spring eyelet/bracket and assemble bracket to the front of the new spring with the factory bolt and nut **HAND TIGHT**.

**NOTE:** Front leaf springs are side specific; the Driver's side spring will not have a front leaf spring retaining clamp.



3. Slide the Driver's leaf spring (with the front hanger assembled to it) over the axle from the rear and set the spring on the perch ensuring the center pin lines up with the recessed index.
4. Use the jack to line up the rear leaf spring eyelet with the shackle and insert the factory bolt/nut hand tight.
5. Use the jack to lift and align the 5 front leaf spring hanger bolts into the frame/factory tow hooks. Start with the rearmost 2, then insert the tow hook and thread in the remaining 3. Once all 5 are in place, torque to 75 lb/ft. Reinstall the bumper support into the side of the bracket.



6. Place the factory leaf spring plate on the new, Carli/Deaver leaf springs (shock mount should face outward) and assemble with supplied U-Bolts/Nuts.



7. Tighten U-Bolts evenly in a cross pattern to 110 lb/ft. These will be re-torqued when the vehicle's weight is on the axle.
8. Reinstall Core support. Torque hardware to 75lb/ft.
9. Move on to the next step in the Kit Instructions.

### *If you're ONLY installing leaf springs:*

10. Install front wheels.
11. Lower truck onto the ground.
12. BLEED BRAKES to ensure proper operation.
13. With the truck at ride height and the suspension is loaded, Torque:
  - a. Lug Nuts: 150 lb/ft
  - b. U-Bolts: 110 lb/ft
  - c. Leaf Spring, Front Hanger: 185 lb/ft, Rear Shackle: 185 lb/ft.
14. Re-torque after first 500 Miles