

CS-FLTB-05 – 2005-07 Long Travel Airbags

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.



- THIS AIR BAG SYSTEM WAS DESIGNED AROUND A STOCK EXHAUST CONFIGURATION. SOME AFTERMARKET EXHAUST SYSTEMS WILL REQUIRE MODIFICATIONS TO THE TAIL PIPE!
- Due to variation in the Ford frame rails, back brackets may need slight modification to mount to the vehicles mentioned in the Fitment section.
- Installation will be done with rear axle at full droop (extended).
- If the airbags are being installed with add a pack configuration, the bumpstop tangs must be cut off of the factory block if the factory block is being used! This is not necessary with the full spring pack as the factory blocks are removed.
- Tack weld the lower plate to the axle for trucks that tow heavy or have power programmers. This will prevent the lower plates from rotating under extreme torque situations.

Package Contents:

(2) Upper Mounting Brackets	(8) 3/8" Washers	(2) Schrader Fill Valves
(2) Air Bags	(4) 3/8" C-lock nuts	(1) Heat Shield
(2) Two-Piece Axle brackets	(2) 3/8"x 1" Counter Sink Bolts	
(4) 3/8"x 1.25 Button Head screws	(2) 90 deg Air Fittings	

Installation Instructions:

- *We recommend installation be done by a trained professional.
- *Read instructions carefully before attempting installation.
- *Secure and properly block vehicle prior to installation.

1. Block front wheels so vehicle will not roll while doing the install.
2. Jack up rear of the vehicle and place jack stands under both frame rails.
3. Let axle fully extend, remove rear wheels if needed.
4. Attach air bag to upper bracket with supplied 3/8 x 16 x 1 flat counter sunk fastener as shown. Position the bags so the driver side air inlet faces directly to the rear of the truck and the passenger side air inlet faces directly to the front of the truck. (Align heat shield between the air bag and upper bracket on the passenger side before tightening).



5. Remove rear bump stops.
6. Mount air bag and upper bracket in place of the rear bump stop using the supplied 3/8 x 16 x 1 hex bolt, washer, and nut. Tighten.
7. Use a transfer punch to mark the 2 holes to be drilled on each inner frame rail.
*NOTE: The washer goes with the **bolt** through the frame.



8. Use a small "pilot" bit drill bit to drill 2 upper holes on each side. (right angle drill works best).
9. Use a 3/8" drill bit to finish holes from the outside of the frame rail.



10. Use the supplied 3/8 x 16 x 1 button head bolts through the upper two holes. The button head bolt and washer goes on the outside of the frame. Tighten



11. Install 90* swivel fittings into air bags
12. Mount lower brackets to bottom of air bags with supplied bolts, lock washers, and flat washers. (Shock cut outs on lower plates go towards the differential).



13. Pull air bag down until lower bracket sits squarely on the axle.
14. Insert supplied 3/8 -16 x 1 1/4" carriage bolts through square holes in lower brackets.
15. Now use the clamping bracket to secure lower bracket to axle. These will mount outboard of shock mounts.



NOTE: Tack weld the lower plate to the axle on all 4 corners! This will prevent the lower plates from rotating under extreme torque situations.

16. Make sure bags are lined up properly before final tightening.
17. Double check to make sure nothing is rubbing on the air bags!
18. Double check each step of assembly.
19. Route air line to desired fill location.
20. Set truck on the ground and fill bags to 50psi to check for any leaks.

AIR PRESSURE

- EMPTY = 5psi
- Loaded = Bags can be filled to a MAXIMUM of 100psi. Adjust the pressure according to the load.