

CS-FST475 – Fabricated Shock Tower
CS-FST525 – Fabricated Shock Tower
CS-FST625 – Fabricated Shock Tower
CS-BST – Billet Shock Tower

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.



Application:

CS-FST-475: 3" Lift & 6" Lift: Performance 2.5", Bilstein 2.65", Dominator 3.0"
1994-2013 2500 4x4
1994-2012 3500 4x4

CS-BST: 3" Lift & 6" Lift: Performance 2.5", Bilstein 2.65", Dominator 3.0"
1994-2013 2500 4x4
1994-2012 3500 4x4

CS-FST-525 Offset: 3" Lift, Short Arm, Unchained 3.5"
1994-2013 2500 4x4
1994-2012 3500 4x4

CS-FST-525: 3" Lift, Long Arm & 6" Lift Unchained 3.5"
2003-2013 2500 4x4
2003-2012 3500 4x4

CS-FST-625: 3" Lift, Long Travel, Long Arm Performance 2.5 & Unchained 3.5"
2003-2013 2500 4x4
2003-2012 3500 4x4

What's Included In the Kit

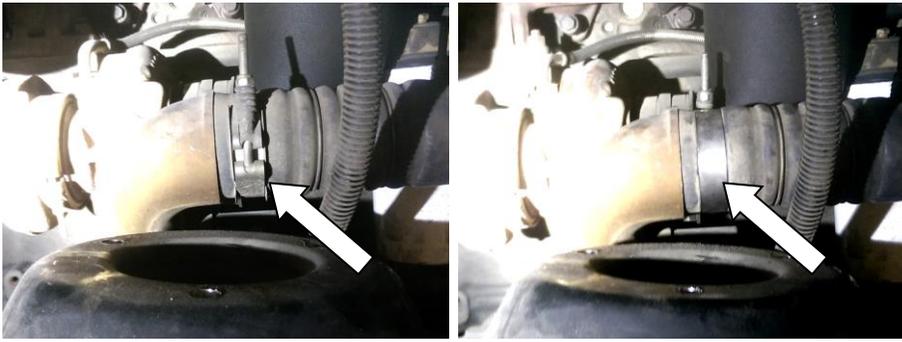
- 2 Qty - Billet Shock Tower/Fabricated Shock Tower
- 2 Qty - Stud Rings
- 2 Qty - Upper Shock Bolts
- 6 Qty - 1/2 Inch Bolts
- 6 Qty - 1/2 Inch Washers

Tools Required

- 3/4 Inch Socket for Shock Tower Bolts
- 7/8 Inch Socket for Upper Shock Bolt
- 11MM Deep Socket for Turbo Clamp
- **ACCESS TO HIGH PRESSURE NITROGEN (250PSI)**
- 3/8 Inch Drive Ratchet
- Drill
- 9/16 Inch Drill Bit
- 4.5" Hole Saw (3.0" & 3.5" Shocks ONLY)

Installation Instructions

1. Remove coils, shocks and factory shock towers.
2. Drill 3 existing holes in coil bucket to 9/16".
NOTE: If installing 3.0" or 3.5" shocks, use a 4.5" Diameter Hole Saw to open up the holes in which the shocks reside in the center of the factory upper and lower coil buckets. The upper is tapered and will self center, the lower is a bit more difficult, but ensure it remains centered! Once bored, debur and paint to prevent corrosion.
3. Remove and flip the clamp on turbo outlet (passenger side located just above coil bucket) so smooth part of clamp faces toward the tower (outward).



4. Retighten the clamp
5. Place the Stud Rings against the bottom of the upper coil bucket. Locking portion of the nuts should face downward. With the supplied ½” Bolts and washers, start the threads into the stud ring (stud ring only, no tower) from the top of the coil bucket, but DO NOT TIGHTEN at this time. This will keep the stud ring in place while you work.
6. Drain the shock’s pressure to allow it to be compressed and extended freely during installation.
7. Ensure all misalignment spacers are installed and feed shock reservoir up through bottom and out the front of the coil bucket. Reservoir faces forward (front of the truck). Let it hang.
8. Place OEM isolator on top of Carli coil and install guiding the shock into the coil.
9. Rotate the Coil so that logo is facing OUT.
NOTE: HEMI Coils are side specific, marked P and D for passenger and driver.
10. Using compressed air, charge the shock to extend the shaft and insert the factory lower shock bolt.
11. Tighten lower shock bolt to 100 lbs/ft.
12. Jack up the front axle so the coils hold the isolator and stud ring in place while you install the tower.
13. Remove stud ring fastening hardware to prepare for tower installation.
14. Install supplied mis-alignment spacers into shock bearings and drain all air pressure out of the shock.
15. Install shock Tower by sliding the reservoir through the tower and put the tower up, over the top of the shock, then thread in Bolts/Washers that secure it engaging a couple threads at this time.
CS-FST-625: The tower will slide forward (from behind), over the shock. Looking from the top, down, the opening in the tower should face 10:30 on the driver's side and 1:30 passenger. The reservoir fittings will exit out toward the tire and the 45° fittings will direct the hose forward.
16. Insert the top of the shock into the Tower. Secure upper bearing/misalignment spacer assembly to mount using the provided hardware.
Billet Shock Tower: Add anti-seize to supplied stainless Billet Shock Tower bolt as it’s stainless being threaded into aluminum. Torque to 40 lb/ft.
Fabricated Shock Tower: Torque supplied Bolt/Nyloc Nut to 80lb./ft.
17. Torque tower/stud ring hardware to 35 lbs/ft.
18. Re-Charge shocks with appropriate Nitrogen Pressure.

Nitrogen Pressures:

Bilstein 2.65 (9100):	225 psi
King 2.5:	225 psi
King 3.0:	250 psi
King 3.5:	250 psi