

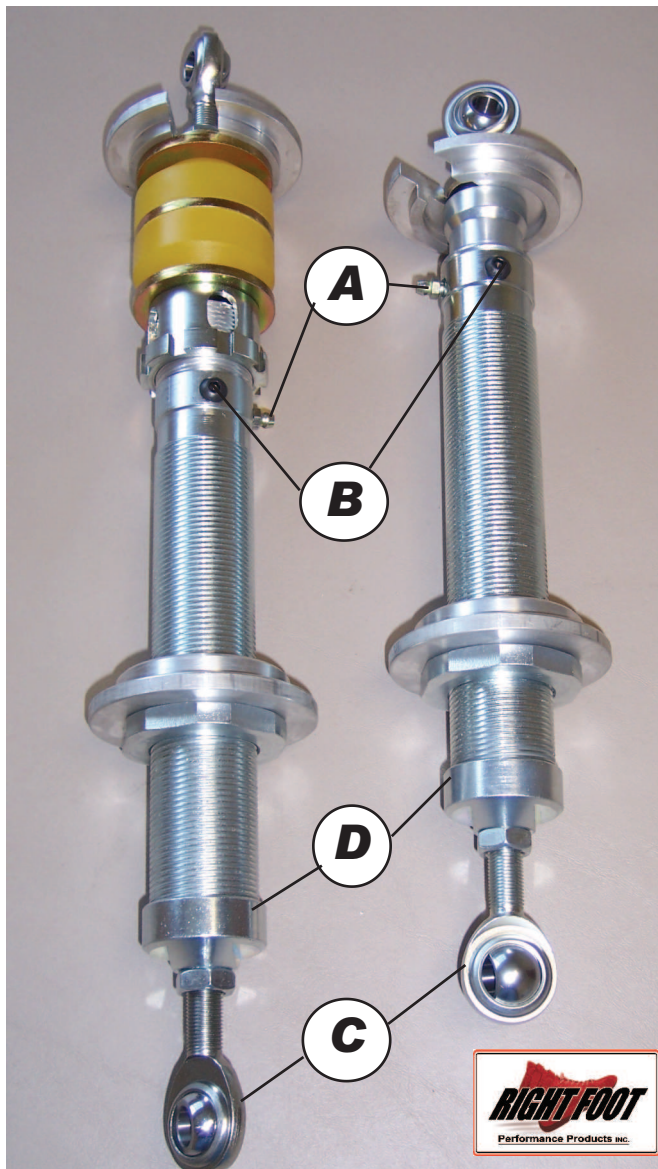


TECH SHEET: 7" Stroke Coil Over Eliminator & Bump Stop Service & Maintenance

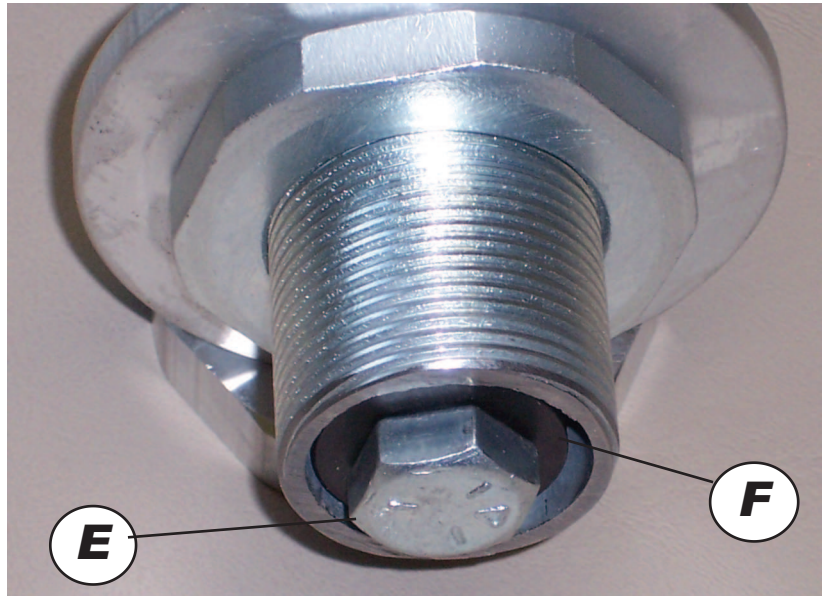
www.rightfootperformance.net

Right Foot Performance' 7" Stroke Coil Over Eliminators and Bump Stops (Spring Carriers) were developed for use on Asphalt Late Models. Big Bar - Soft Spring Set-Ups and high spring pre-loading heavily load front suspension components. This has increased the maintenance required on Spring Carriers. This Tech Sheet describes the maintenance required.

WARNING: Be extremely careful when working with preloaded springs. Depending on the spring rate and the amount of preload there could easily be one thousand pounds of stored energy in the springs, enough to injure or kill someone.



1. Remove the spring before doing any maintenance on the Spring Carrier, other than lubrication.
2. Periodically lube the shaft bushings using the grease zerk (A) on the side of the bushing housing. Two or three pumps are all that's required.
3. Check the two housing retainer screws (B) for tightness. Tighten if needed.
4. Periodically, and after a wreck, check the rod ends (C) for wear, damage, cracking, bent studs or a seized bearing ball. If you find anything wrong replace the rod end with a chrome-moly rod end. The Right Foot part number is 2812CM.
5. Check the spring plates for bending or cracking. Replace any damaged spring plates.
6. Check the shaft for side-to-side play. If there is any play replace the bushings and seals in the the housing.



7. Loosen the set screw and unscrew the cap (D) from the tube. Note: some original design Spring Carriers do not have a set screw.
8. Some racers thread the stud on the rod end (C) completely into the cap to shorten the overall length of Spring Carrier. With the cap off verify the shaft retainer screw (E) has not been “bottoming out” on the rod end stud. If there has been contact between the retainer screw and the rod end stud either turn the rod end out to achieve clearance or remove the rod end and cut some threads off the stud. The Stud Should Not Contact The Retainer Screw.
9. Check the torque on the 1/2” retainer screw (E) . The correct torque is 50 lb. ft. If loose, remove and clean the screw. Apply blue Loctite to the threads and reinstall the screw and extra thick hardened retaining washer (F). Re-torque the screw to 50 lb. ft. Apply some grease to the head of the cap screw and washer and reinstall the cap and set screw.
 - 9A. Original design Spring Carriers were built with a taper head shaft retainer screw and SAE washer. It is recommended these be replaced with the 1/2” retainer screw (P/N 4520) and hardened washer (P/N 2843) discussed in Paragraph 9 above.
8. If servicing a Bump Stop check the poly spring bushings for wear or cracking. If there are any cracks, if the static height of the bushing is less than 1” or if the center hole is oblonged replace the bushing.

If you have any questions about maintaining your coil over eliminator or bump stop call us at 920 788 0356