



1992-2017 Dodge Viper Delrin Stabilizer Bar Bushings

Overview:

The OEM stabilizer bar bushing is rubber which deteriorates over time and provides inconsistent response when cornering. Replacing the rubber with Delrin allows for consistent, smooth response without deflection or deterioration over time. The result is improved cornering consistency on track equating to more reliable handling response.

Compatibility:

The bushing assemblies are available for 1 1/16" or 7/8" stabilizer bars for any 1992-2017 Viper. The bushing assembly is no larger than the OEM assembly to avoid any compatibility issues with any aftermarket parts.

Construction:

The brackets are manufactured from type III hard anodized aluminum with Delrin inserts.

Weight:

A set of 4 bushings are ~0.65 lbs lighter than 4 OEM bushings.

Ordering Information:

<http://www.dougshelbyengineering.com/>

DSE-VP-DB-001 // Set of 2 1-1/16" Delrin Stabilizer Bar Bushing

DSE-VP-DB-002 // Set of 2 7/8" Delrin Stabilizer Bar Bushing

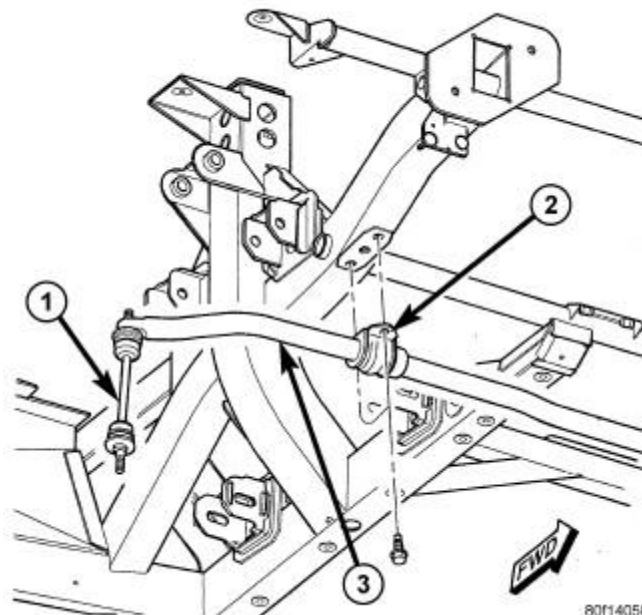


Stabilizer Bar Delrin Bushing Assembly

Installation Guide:

Front OEM Bushing Removal –

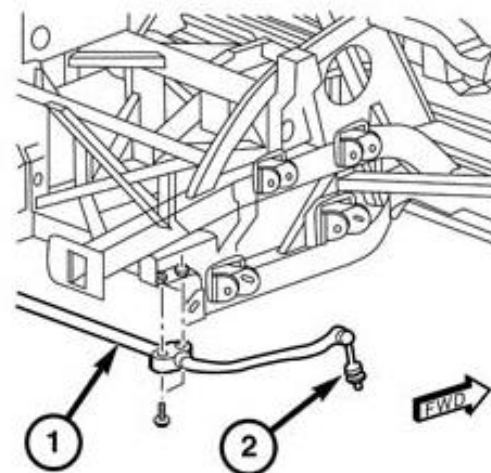
1. Raise and support vehicle. It will be necessary to remove the front passenger side wheel for bushing installation.
2. Remove two bolts attaching each stabilizer bar bushing retainer (2) to frame rails.
3. Slide retainers off bushings.
4. Remove each bushing from stabilizer bar by opening slit in bushing and peeling it off bar.



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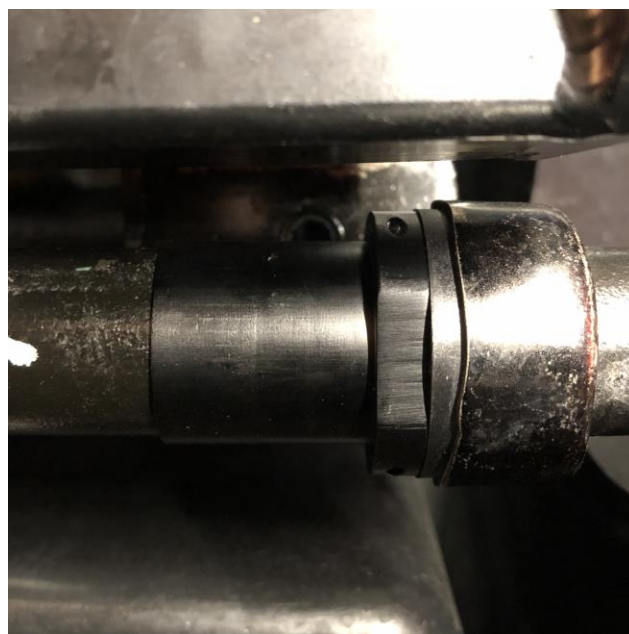
Rear OEM Bushing Removal -

1. Raise and support vehicle.
2. Remove both rear wheel and tire assemblies.
3. Remove two bolts attaching each stabilizer bar (1) bushing retainer to frame rails.
4. For the Gen V ACR remove the plastic trim piece surrounding the bar.
5. Slide retainers off bushings.
6. Remove each bushing from stabilizer bar by opening slit in bushing and peeling it off bar.



Delrin Bushing Installation

1. Install the aluminum sleeves on the stabilizer bar.
 - a. Clean the stabilizer bar to remove any dirt, debris or high spots that may cause interference.
 - b. Note - the aluminum sleeves come with tape installed. The purpose of the tape is to compensate for slight variations in the stabilizer bar diameter.
 - c. Test fit each aluminum sleeve half on the exact corner it will be installed. If the sleeve will not clamp all the way remove one section of tape and refit. Remove the second section of tape if the sleeve will still not clamp all the way. The clamp on the stabilizer bar should be tight enough that there is no gap between sleeve halves and the sleeve does not rotate on the bar.
 - d. Orientation of the sleeve is not critical; however, the seam should run more horizontal to avoid crossing the vertical seam of the Delrin component of the bushing.
 - e. After a successful test fit, install the sleeve onto the stabilizer bar using the 2 x socket cap screws with Loctite applied. Install the sleeve so the screws/collar runs flush against the stop on the stabilizer bar as shown. Tighten the screws until there is no gap between the halves.



Aluminum Sleeve Installed

2. Test fit the Delrin bushing halves (flat side toward the frame). They should clamp together without a gap.
3. Test fit both bushings with the clamp/mount on each bar to assure the 4 mounting holes align without issue
4. If the holes do not align because the stops on the stabilizer bar are too far inward you can adjust the position of the plastic stop on the stabilizer bar for clearance by tapping it outward with a hammer.
5. Adjust the position of the aluminum collar if necessary based on the test fit (as outlined below).
6. *The collar on the aluminum sleeve should be sandwiched between the stabilizer bar stops and Delrin bushing with little gap as shown in the photo above and on the next page; if needed the stops can be tapped again inward once everything is installed to get a tighter fit.*
7. Remove the aluminum bracket and Delrin bushing for final fit. Apply a light layer of lubricant to the inside surface of the Delrin bushing halves and also against the sleeve collar face that will contact the Delrin. This extends the bushing life and reduces contamination risk. *(No lubricant is needed on the outside surface that will contact the mounting bracket.)*
8. Fit the lubricated Delrin bushing halves to the aluminum sleeve.
9. Slide the aluminum bushing clamp over the Delrin bushing.
10. Tighten the stabilizer bar bushing retainer bolts to 37 ft-lbs

Inspection and Maintenance:

- Periodically inspect the bushing and hardware to ensure nothing is loose or damaged.

Thank you for your purchase!

Your business is appreciated! Customer satisfaction is our top priority! Don't hesitate to contact us with any questions or feedback. Word of mouth is the best form of advertising so if you are satisfied please spread the word!

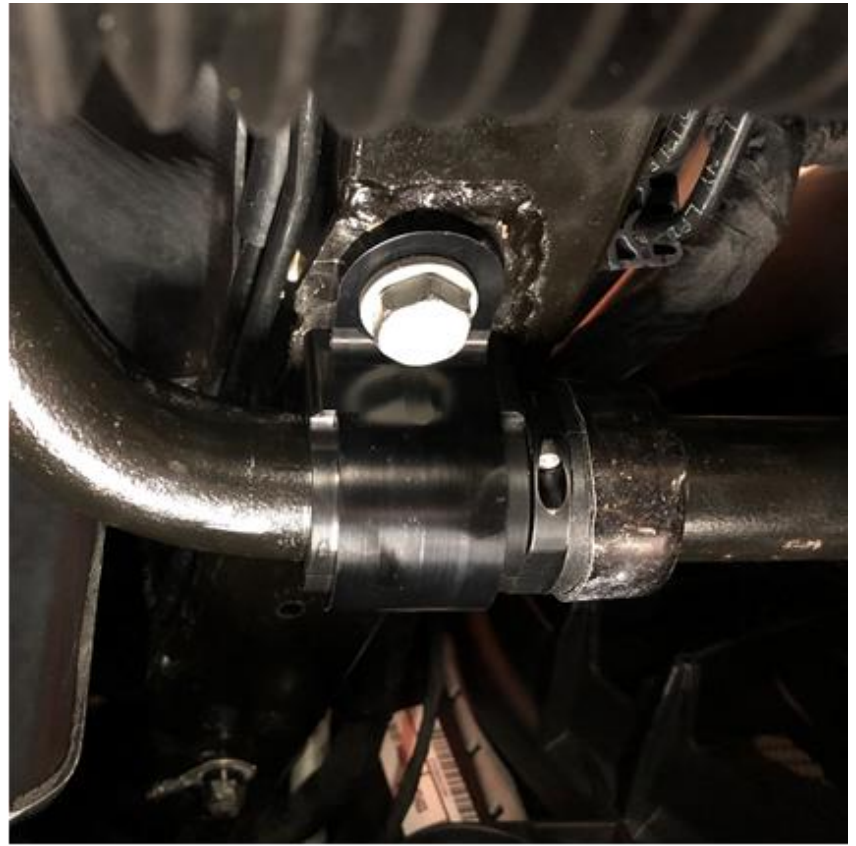
Disclaimer of Liability:

Doug Shelby Engineering assumes no liability expressed or implied for the improper installation or use of this product or its components.

Doug Shelby Engineering is NOT responsible for any damage, consequential or otherwise for equipment failure after installation.

Vehicle Modification:

Modification of your vehicle with the parts identified above may alter its stock performance; the buyer hereby expressly assumes all risks associated with any such modification.



Bushing Assembly Installed On the Rear Stabilizer Bar

Disclaimer of Warranty:

Seller disclaims any warranty express or implied with respect to the parts sold hereby whether as to merchantability, fitness for particular purpose, or any other matter.