

Detroit Speed
Front Adjustable Sway Bar Kit
1993-2002 Camaro/Firebird
P/N: 031417DS

The Detroit Speed Front Adjustable Tubular Sway Bar Kit is designed to improve cornering and reduce body roll on your 1993-2002 Camaro/Firebird. Detroit Speed's larger than stock, 1-3/8" O.D. hollow sway bar is powder coated black and comes with everything you need to bolt it on including grease-able polyurethane bushings and end links. DSE's exclusive design features three positively located bar adjustment settings and does not require complete end link removal to perform rate adjustments.



Item	Part Description	Quantity
1	1-3/8" O.D. Adjustable Tubular Sway Bar	1
2	Polyurethane Sway Bar Bushing	2
3	Sway Bar Bushing Mounting Bracket	2
4	Sway Bar End Link Assembly	2
5	Sway Bar Link Lower Control Arm Adapter	2
6	1-3/8" Double Split Lock Collar Assembly	2
7	1/2"-13 x 1-3/4" L Flat Head Cap Screw	2
8	M10-1.5 x 30mm Flange Hex Bolt	4
9	1/2"-13 Flange Lock Nut	2
10	M12-1.75 Flange Lock Nut	4
11	Super Grease	1
12	Instructions	1

Fastener Torque Specifications	
Application	Torque (lbf-ft)
Lower Control Arm Adapter	70
Sway Bar Bushing Bracket (Using DSE HD Bracket Kit)	45
Sway Bar Bushing Bracket (Using factory Bracket)	41
Sway Bar End Link	53
Split Lock Collar	15

Installation Instructions

1. To begin installation, chock the rear wheels and loosen the front lug nuts. Raise the front of the vehicle and support the vehicle under the front control arms so the front suspension is at ride height. Remove the front wheels.
2. Remove the existing sway bar and end links from the vehicle. If you plan on using the shield on the driver's side, you will need to reuse the attachment stud when installing the Detroit Speed Sway Bar (Figure 1).

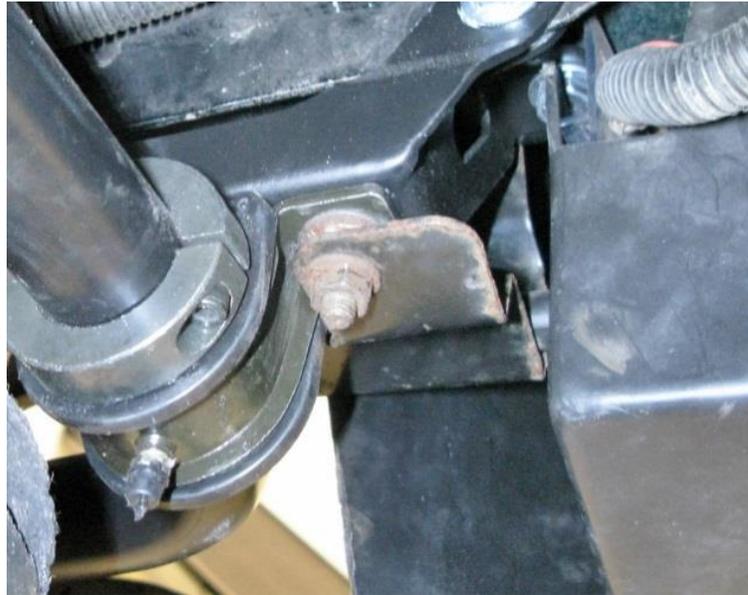


Figure 1 – Shield Attachment Stud

NOTE: If you have purchased the Detroit Speed Heavy Duty Front Sway Bar Brackets, refer to those instructions and install the brackets before installing the DSE Sway Bar.

3. Install the urethane bushings on the sway bar using the provided Super Grease. Slide the sway bar bushing brackets over the bushings. **NOTE:** You can leave the plastic sleeve on the bar in order to protect the powdercoat while installing the bar (Figure 2).



Figure 2 – Install the Urethane Bushings & Brackets

4. Position the Detroit Speed Sway Bar to the vehicle and bolt it up to the sway bar brackets using the provided M10-1.5 x 30mm flange hex bolts. Center the sway bar in the vehicle and tighten the bolts (Figure 3). Do not torque at this time.



Figure 3 - Install Sway Bar

5. Install the sway bar end link lower control arm adapters to the lower control arms using the provided 1/2"-13 x 1-3/4" L flat head cap screws and flange lock nuts. The bracket should be parallel with the angle on the front sway bar (Figure 4). Torque these bolts to 70 lbf-ft.

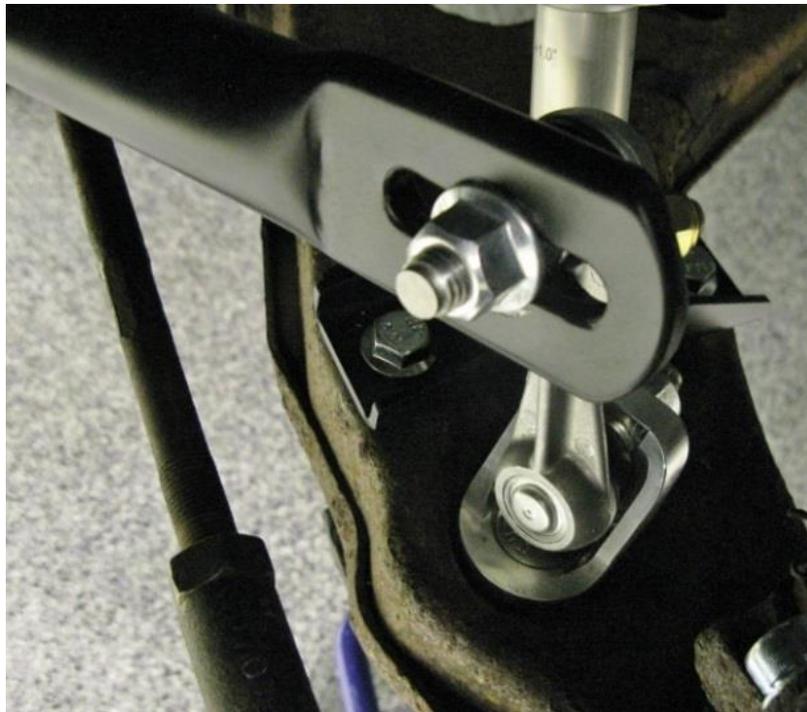


Figure 4 - Install End Link Adapters

6. Install the sway bar end link into the lower control arm adapters and sway bar. Install and tighten the end links with the provided M12-1.75 flange lock nuts (Figure 5 on the next page). **NOTE:** At the bottom of the end link studs, there are flats that will lock into place in the adapter and the sway bar.



Figure 5 - Attach End Link to Sway Bar

7. There are three adjustment settings in the sway bar (Figure 6), the nominal sway bar setting would be the middle adjustment hole. When installing the end links into the sway bar, make sure the flats on the end link positively locate in the sway bar. Torque the end links to 53 lbf-ft.



Figure 6 - Sway Bar Adjustment Holes

NOTE: To make an adjustment, simply loosen the end link nut at the sway bar just enough so the end link will come loose in the sway bar. Slide the end link into the new location and torque the end link nut to 53 lbf-ft.

8. Next, torque the M10 fasteners that were installed in step 4 in the sway bar bushing brackets. If you have installed the Detroit Speed Heavy Duty Sway Bar brackets, torque to 45 lbf-ft. and if you have the factory sway bar brackets, torque to 41 lbf-ft.
9. If you have installed the DSE Heavy Duty Sway Bar Bracket Kit you can now install the split lock collars onto the sway bar as described in step 10, otherwise skip to step 11.

10. Separate the split lock collars into two pieces and place them around the sway bar to the inside of the sway bar bushings. Reassemble the collars using medium strength blue Loctite 242 on the bolts and torque to 15 lb-ft (Figure 7). **NOTE:** Position the collars tight to the urethanes bushings when installing.



Figure 7 – Install Split Lock Collars

11. Re-install the splash shield on the driver's side (Figure 8) as well as the front wheels.

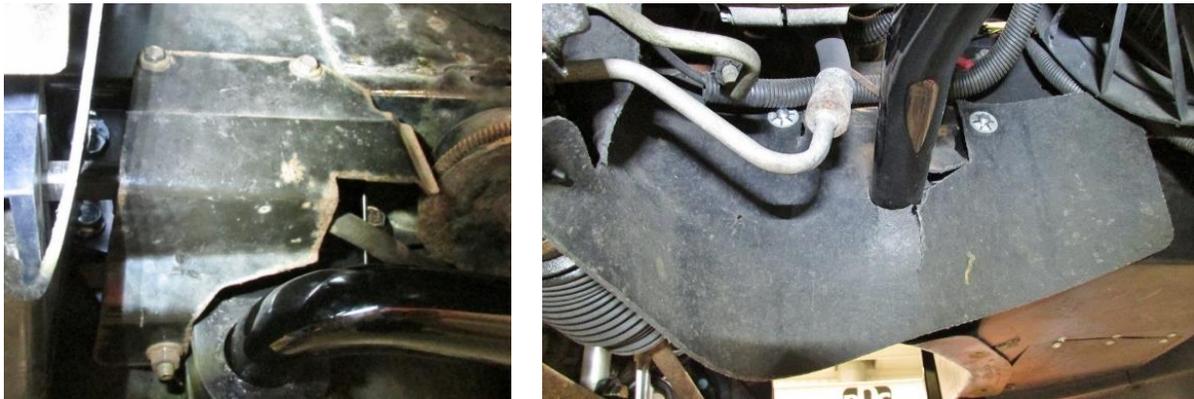


Figure 8 – Re-Install Splash Shield

12. Torque the lug nuts to the recommended factory specifications. The installation is now complete.

If you have any questions before or during the installation of this product, please contact Detroit Speed at tech@detroitsspeed.com or 704.662.3272

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