

Detroit Speed
Rear Sway Bar Kit
1982-02 Camaro/Firebird
P/N: 042219DS & 042222DS

The Detroit Speed Rear Sway Bar Kit offers multiple advantages over the stock rear bar. This DSE kit comes with a 1" OD tubular bar for added strength and works for most street applications. The bar is powder coated in a high gloss black finish, includes all necessary hardware and has split lock collars that positively locate the sway bar in the correct location. The sway bar offers dual rate adjustment for increased vehicle tuning.



Item	Part Description	Quantity
1	1" OD Tubular Rear Sway Bar	1
2	1" OD Polyurethane Sway Bar Bushing	2
3	Sway Bar Bushing Mount	2
4	2-3/4" Rear Sway Bar Axle Clamp (P/N: 042219DS)	2
4	3" Rear Sway Bar Axle Clamp (P/N: 042222DS)	2
5	1" Split Lock Collar	2
6	7/16"-20 x 2-3/4" x 4-1/2" U-Bolt (P/N: 042219DS)	2
6	7/16"-20 x 3" x 4-7/8" U-Bolt (P/N: 042222DS)	2
7	7/16"-20 Nylock Nut	4
8	7/16" Flat Washer	4
9	Sway Bar End Links	2
10	Super Grease	1
11	Instructions	1

Fastener Torque Specifications	
Application	Torque (ft-lbs)
Sway Bar Mounting U-Bolts	25
Split Lock Collar	15

1. To begin installation, loosen the rear lug nuts and raise the front and rear of the vehicle. Support the vehicle in the front and rear on jack stands so the vehicle is sitting level. The rear suspension must be supported so that the rear suspension is at ride height in relation to the body. Remove the rear wheels.
2. Remove the existing sway bar from the vehicle. Place the 7/16"-20 x 2-3/4" x 4-1/2" U-bolts (P/N: 042219DS) or the 7/16"-20 x 3" x 4-7/8" U-bolts (P/N: 042222DS) over the rear axle tubes. **NOTE:** It may be necessary to move the brake lines slightly to allow the U-bolts to slide under the brake line.
3. Position the clamps so they line up correctly on the rear axle tube. For P/N: 042219DS only, the rear axle clamps have a notch to locate on the tab on the factory rear axle tube (Figure 1 and 2).

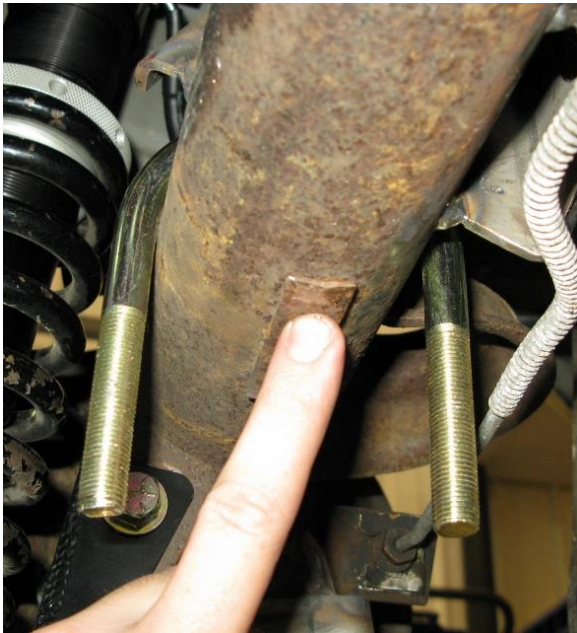


Figure 1 - Locating Tab (P/N: 042219DS)



Fig. 2 - Rear Axle Clamp (P/N: 042219DS)

4. Install the urethane bushings on the sway bar using the provided Super Grease and position the sway bar bushings as close to the 90° bends on the sway bar as possible. Place the sway bar mounting clamps on the bushings at this time.
5. Position the sway bar on the rear axle clamp through the U-bolt. Thread the 7/16"-20 Nylock nuts and washers on the U-bolt. Repeat this for both sides. Leave the Nylock nuts finger tight at this point (Figure 3 on the next page).



Figure 3 - Sway Bar Mounting Bracket

6. Disassemble the sway bar end links and re-assemble the end links between the sway bar and the sway bar factory mount. **NOTE:** It may be necessary to reposition the sway bar in the mounts to better line up the end links. Do not over tighten the end links. The end links are tight when the polyurethane bushings start to compress (Figure 4). Repeat this for both sides.



Figure 4 - Sway Bar End Links

7. There are two mounting points on the sway bar for the sway bar end links. The chart below lists the rates for each hole (Figure 5). DSE recommends using the rearward mounting hole.

Sway Bar Rates	
Front Hole	620 lbf/in
Rear Hole	784 lbf/in

Figure 5 – Sway Bar Rates

8. With the sway bar installed, verify the bar is centered on the rear axle and tighten the brackets at the rear axle. Torque these bolts to 55 ft-lbs.
9. Separate the split lock collar into two pieces and place them around the sway bar to the inside of the sway bar clamps on the rear axle. Reassemble the collar using medium strength blue Loctite 242 on the bolts and torque to 15 ft-lbs. Repeat this step for both sides. **NOTE:** Position the collars tight to the urethane bushings when installing (Figure 6).

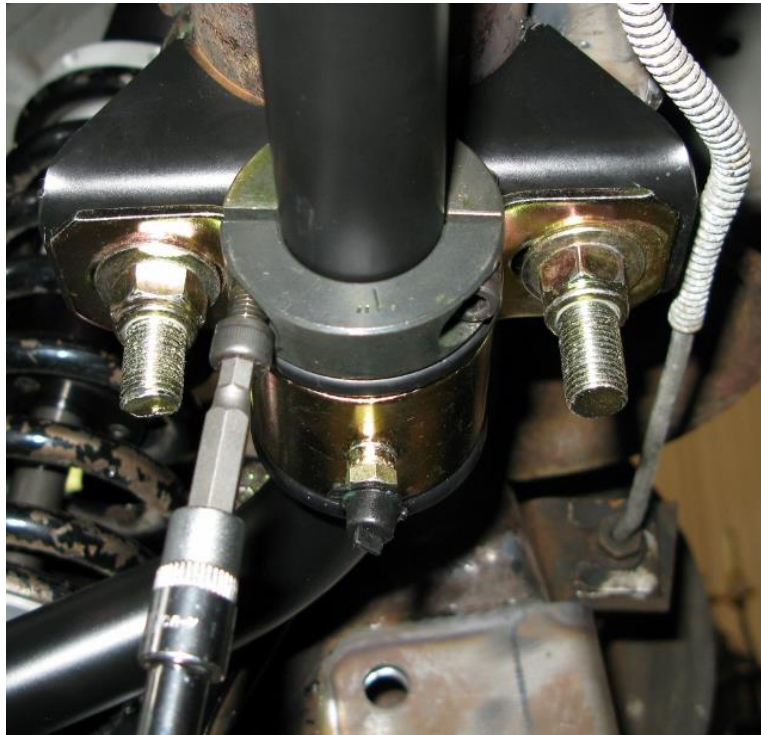


Figure 6 – Split Lock Collars

10. After installation, lubricate the bushings with quality chassis grease.
11. Reinstall the rear wheels and torque to the manufacturer's recommended torque specs. Lower the vehicle to the ground. 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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