



Detroit Speed
Rear Sway Bar
1978-1988 G-Body with 3" Axle Tubes
P/N: 042212DS & 042213DS

The Detroit Speed Rear Sway Bar is a bolt-on package for the G-Body platform. This tuned system will keep body roll to a minimum. The package can be used separately or with our rear suspension system to provide the ultimate in handling. The DSE Sway Bar comes in a black powder coat finish.



| Item | Description | Quantity |
|------|--|----------|
| 1 | Tubular Sway Bar (1" O.D. - P/N: 042212DS) | 1 |
| 2 | Tubular Sway Bar (1-1/8" O.D. - P/N: 042213DS) | 1 |
| 3 | Polyurethane Sway Bar Bushing | 2 |
| 4 | Sway Bar Bushing Mount | 2 |
| 5 | Grease Cap | 2 |
| 6 | Sway Bar End Link | 2 |
| 7 | LH Sway Bar End Link Mounting Bracket | 1 |
| 8 | RH Sway Bar End Link Mounting Bracket | 1 |
| 9 | M12 x 1.75 Nylock Nut | 4 |
| 10 | M12 Flat Washer | 4 |
| 11 | Lower Sway Bar Axle Mounting Clamp | 2 |
| 12 | 7/16"-20 x 3" x 4 7/8" U-bolt | 2 |
| 13 | 7/16"-20 Nylock Nut | 4 |
| 14 | 7/16" Flat Washer | 4 |
| 15 | 3/8" - 24 x 1-1/4" L Hex Head Bolt | 4 |
| 16 | 3/8" - 24 Nylock Nut | 4 |
| 17 | 3/8" SAE Flat Washer | 4 |
| 18 | 3/8" AN Washer | 4 |
| 19 | Split Lock Collar | 2 |
| 20 | Instructions | 1 |

| Fastener Torque Specifications | |
|--------------------------------|-----------------|
| Application | Torque (ft-lbs) |
| Upper Link Mounting Bracket | 35 |
| Sway Bar Mounting U-bolts | 25 |
| Sway Bar End Link (Upper) | 40 |
| Sway Bar End Link (Lower) | 40 |
| Split Lock Collar | 15 |

1. To begin installation, chock the front wheels and loosen the rear lug nuts. Raise the rear of the vehicle and support the vehicle with jack stands under the frame. Remove the rear wheels.
2. It is necessary to locate and drill four holes for the sway bar end links to mount to the upper link mount crossmember. Measure from the outside of the frame rail toward the center of the car 5". Mark this location on the flat surface of the crossmember. At the marked location, drill two 3/8" diameter hole. Drill another 3/8" diameter hole .800" outboard of the first one. Repeat this procedure on both driver and passenger side. Refer to Figure 1 below for an example.

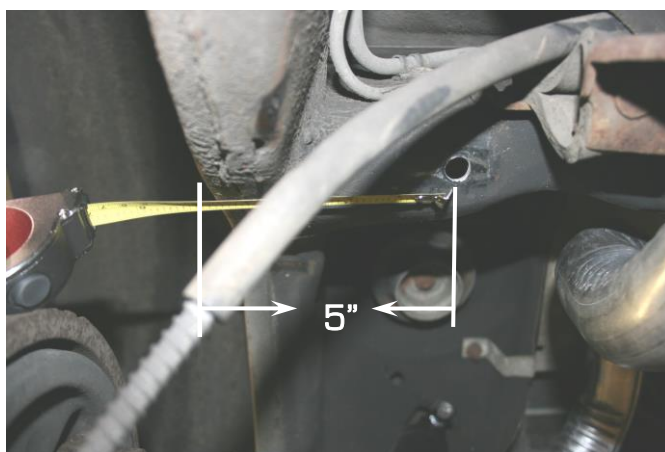


Figure 1 - Locating the Upper Link Mount Hole (Driver Side Shown)

3. Install the upper link mount brackets on the crossmember. See Figure 2 for reference on the correct placement of the bracket. Use the provided 3/8"-24 x 1-1/4" L Hex Head Bolts inserted from the bottom along with the 3/8"-24 Nylock Nut and 3/8" AN washer. Torque these bolts to 35 ft-lbs.

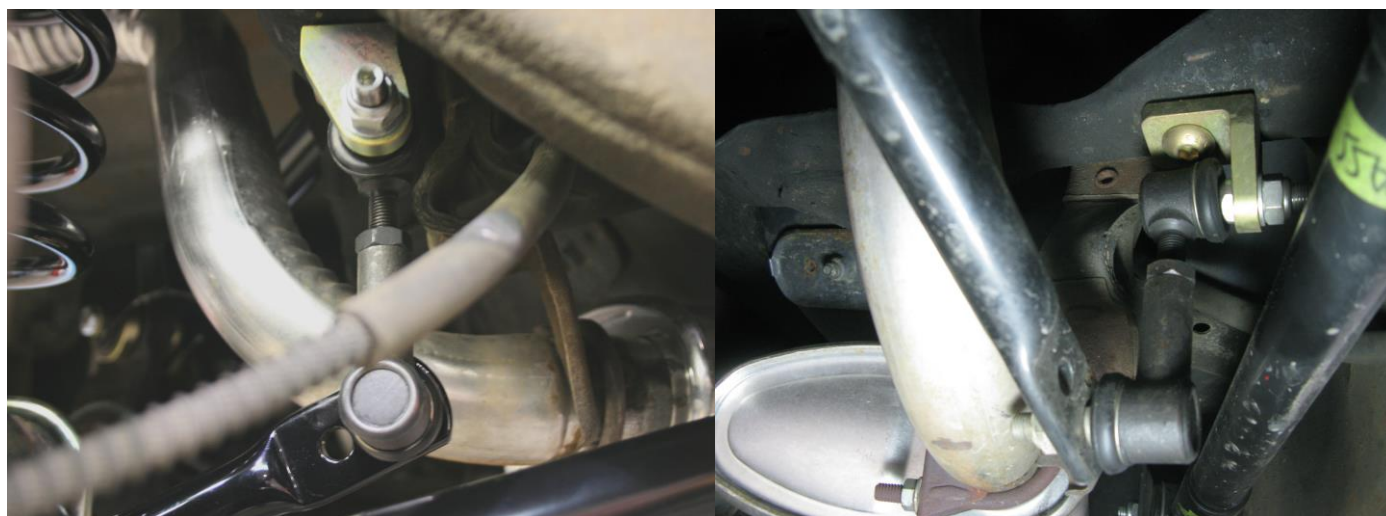


Figure 2 - Upper Mounting Bracket Orientation (Passenger Side Shown)

- Place the 7/16"-20 x 3" x 4 7/8" U-bolt over the rear axle. The sway bar arm mounts attach to the rear axle inboard of the spring perch on a factory rear axle. Position the sway bar bushing and the clamp on the sway bar. Lubricate the inside of the bushing with the provided tube of grease. Place the lower sway bar clamp and the sway bar arm on the previously installed U-bolt. Thread the 7/16"-20 Nylock nuts onto the U-bolt along with the 7/16" Flat Washer. Repeat this for both sides. The bottom of the mounts should be parallel to the rocker panel of the vehicle. Once the sway bar is centered in the vehicle and the sway bar mounts are positioned correctly, torque the nuts to 25 ft-lbs. To verify positioning of the sway bar mounts on the rear axle, make sure the mounts are as close to the 90° bends on the sway bar as possible. Refer to Figure 4. After installation, lubricate the bushings with a quality chassis grease.



Figure 4 – Sway Bar Mounted on Rear Axle

- Install the sway bar end links on the sway bar and the upper link mounts. Set the end links so that they measure 3-1/2" from the centerline of the upper stud to the centerline of the lower stud, then position the link so the lower stud points inboard of the car while the upper stud points outboard. Torque the upper nut to 40 ft-lbs and the lower nut to 40 ft-lbs. **NOTE:** There are two mounting points on the sway bar for the sway bar end link. The chart below in Figure 5 lists the rate for each hole. DSE recommends using the forward mounting hole.

| Sway Bar Rates | | | |
|-----------------------------|-----------|---------------------------------|------------|
| P/N: 042212DS (1" Diameter) | | P/N: 042213DS (1-1/8" Diameter) | |
| Front Hole | 722 lb/in | Front Hole | 1084 lb/in |
| Rear Hole | 947 lb/in | Rear Hole | 1422 lb/in |

Figure 5 – Sway Bar Rates

- Separate the Split Lock Collar into two pieces and place around the sway bar to the inside of the sway bar clamps on the rear axle. Reassemble the collar using High Strength Red Loctite 262 on the bolts and torque to 15 ft-lbs. **NOTE:** Position the collars tight to the urethane bushing when installing. Figure 6 shows the clamp in place.

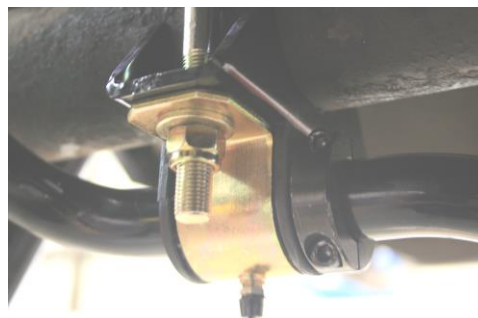


Figure 6 – Split Collar Clamp

- 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