Detroit Speed
Front Sway Bar Kit
1982-92 Camaro/Firebird
P/N: 031413DS

The Detroit Speed Front Tubular Sway Bar Kit is designed to improve cornering and reduce body roll. Detroit Speed's larger than stock, 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. This kit also features a direct bolt-in frame bracket that relocates the bar for better fitment and improves front frame stiffness.

Scan the QR code to guide you through the step-by-step installation video of the 1982-92 Camaro/Firebird DSE Front Suspension installation.

Item	Part Description	Quantity
1	Tubular Sway Bar	1
2	Front Frame Bracket Assembly	1
3	Polyurethane Sway Bar Bushing	2
4	Sway Bar Bushing Mounting Bracket	2
5	Sway Bar End Links	2
6	3/8"-16 x 3/4" L Hex Head Bolt	4
7	3/8"-16 Nylock Nut	2
8	3/8" AN Washer	4
9	M10-1.5 x 25mm Flange Bolt	5
10	M12-1.75 x 35mm Hex Head Bolt	2
11	M12-1.75 Nylock Nut	2
12	M12 Flat Washer	2
13	Super Grease	1
14	Instructions	1

NOTE: Some early applications will require cutting and welding to install this product.

Fastener Torque Specifications	
Application	Torque (ft-lbs.)
Front Frame Bracket	25
Sway Bar Bushing Bracket	25
Steering Box	65
Idler Arm	50

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 from the vehicle. Disconnect the idler arm from the frame and remove the original right-hand sway bar bracket.

3. Remove the steering box bolts and lift up the steering box with a floor jack to remove the original left-hand sway bar bracket. **NOTE:** Some early applications came with a sway bar brace that is welded to the frame rail which will also need to be removed with the stock sway bar (Figure 1).

Figure 1 – Remove Welded Bracket

4. Install the new Detroit Speed frame bracket and get all provided M10-1.5 x 25mm bolts started using medium strength blue Loctite 242. **NOTE:** Some early applications are missing the inside left frame indentation on which the DSE frame bracket was designed to use. Therefore, the front bolt flange on the DSE frame bracket will need to be cut off and re-welded inboard to fit the inside frame rail (Figure 2).

Figure 2 – Left Frame Indentation

5. Install the Idler arm using M12-1.75 x 35mm Hex Head Bolts, Nylock Nuts and washers using medium strength blue Loctite 242 (Figure 3). Do not torque at this time.

Figure 3 – Re-install Idler Arm

6. Torque the M10 frame bracket hardware at this time to 25 ft.-lbs. (Figure 4).

Figure 4 – Front Frame Bracket

7. Re-position and torque the steering box bolts to 65 ft.-lbs.

8. Before tightening the Idler arm, measure from the inner tie rod stud center to the ground on the driver and passenger side (Figure 5).

Figure 5 – Level the Center Link

9. Slide the Idler arm up or down on the front frame bracket until your two measurements are within 1/32". Once the Idler arm is level, torque the Idler arm to 50 ft.-lbs. Double check your center link to make sure it is still level after tightening.

10. Install the urethane bushings on the sway bar using the provided Super Grease and slide the bushing mounting brackets over the bushings.

11. Install the sway bar onto the frame bracket using the provided 3/8"-16 x 3/4" L Hex Head Bolts, Nylock nuts and washers and apply medium strength blue Loctite 242 to the threads (Figure 6). Do not tighten at this time.

Figure 6 – Front Sway Bar

12. Disassemble the sway bar end links and re-assemble the assembly between the sway bar and the lower control arm. **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.

13. If using the Detroit Speed tubular lower control arms, use the end links provided in the DSE lower control arm kit (Figure 7).

Figure 7 – Sway Bar End Link with DSE Lower Control Arm

14. Check that the sway bar is centered in the vehicle. Once centered, the sway bar bushing clamps can now be tightened to the front frame bracket. Torque the 3/8"-16 Hex Head Bolts to 25 ft-lbs.

15. Reinstall the front wheels and torque to the manufacturer's recommended torque specs. Lower the vehicle to the ground. The installation is now complete (Figure 8).

Figure 8 – Installation Complete

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