Detroit Speed, Inc.
Swivel-Link™ Rear Suspension Kit
1964-72 A-Body
P/N: 042104 and 042105

The Detroit Speed, Inc. Swivel Link Rear Suspension Kit is a terrific way to upgrade the rear suspension on the 1964-72 A-body. Detroit Speed's unique A-body rear trailing links incorporate our patented Swivel-Link™ system. These unique trailing arms eliminate bind allowing the rear suspension to fully articulate without the use of noisy spherical rod ends. The Swivel-Link™ Rear Trailing Links allow for easy pinion angle adjustment for improved traction and lower driveline vibrations.

DSE Swivel-Link™ U.S. Patent Number: 7,398,984

Item	Description	Quantity
1	Lower Link Complete Assembly	2
2	Upper Link Complete Assembly	2
3	Bushing Sleeve Assembly (1965-72 A-Body Axle Housings Only)	2
4	1/2"-20 x 3.75"L Hex Head Bolt	8
5	1/2"-20 Nylock Nut	8
6	1/2" Flat Washer	16
7	Instructions	1

Fastener Torque Specifications	
Application	Torque (ft-lbs)
Upper & Lower Link Bolts	110
Swivel Link Jam Nuts	50

1. To begin installation, chock the front wheels and loosen the rear lug nuts. Jack up the rear of the vehicle and support the vehicle with jack stands under the frame. Remove the rear wheels.

2. It is recommended that the arms be replaced one at a time. Start by removing one of the upper links. **CAUTION:** The rear axle should be supported with jackstands under the axle tubes and one under the front of the axle at the pinion.

3. With the upper link removed, remove the rubber bushing from the rear axle housing. Detroit Speed offers the tool necessary for the removal and installation. It is available as p/n: 042501. Figure 1 below shows the tool assembled on the rear axle for bushing removal. Figure 2 shows the bushing being installed. **NOTE:** Be sure to lubricate the threads and the washers of the tool with anti-seize to prevent galling during installation and removal.

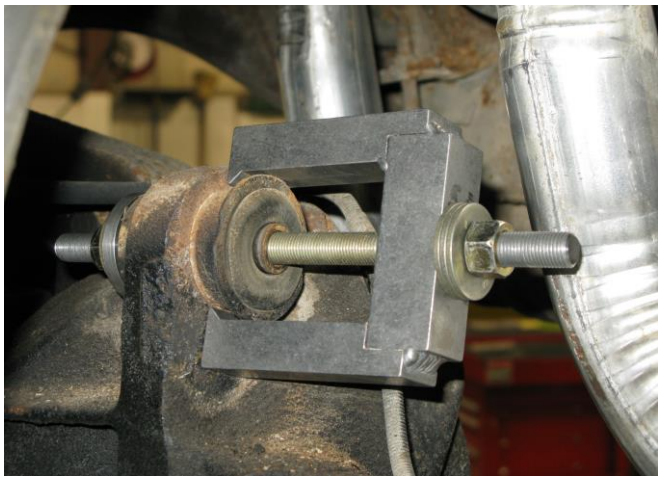

Figure 1 – Bushing removal

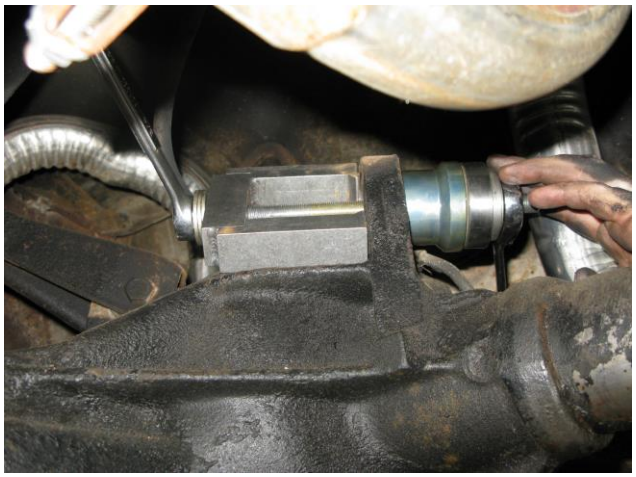

Figure 2 – Bushing Installation

Figure 3 – Replacement Bushing Installed

NOTE TO INSTALLER: Do not install the bushing past the large diameter step. The bushing provided in the kit may not fit some 1964 A-Body axle housings due to the overall diameter of the bushing. Detroit Speed has a smaller bushing available if the bushing in the kit does not fit your rear axle housing. It is available as DSE p/n: 99040249 (See Figure 4).

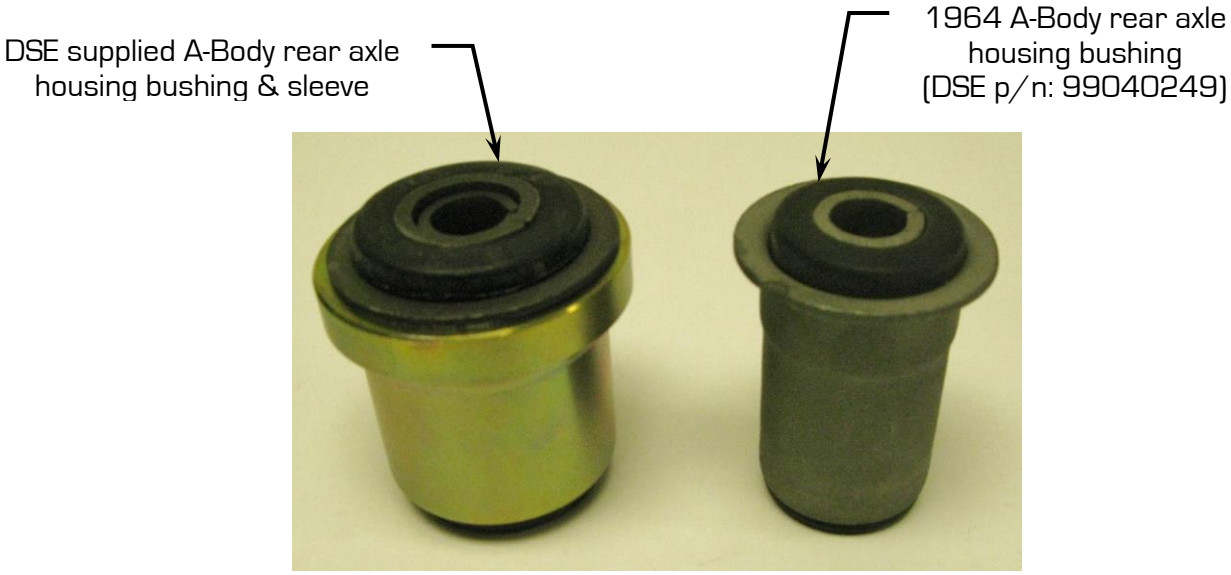

Figure 4 – Rear Axle Bushings

4. After the bushing is installed, the upper link can be installed. Before installing, adjust the arm to the length of the stock arm that was removed from the vehicle (Figure 5). Place the arm on the vehicle and use the provided 1/2"–20 x 3.75"L Hex Head Bolts along with the 1/2"–20 Nylock nuts and 1/2" Flat Washers. Do not torque the end link bolts as they will be tightened later with the vehicle at ride height.

Figure 5 – Determining Arm Length

5. Repeat Steps 2 through 4 for the opposite side upper link.

6. Remove either of the lower links from the vehicle. Before installing the new lower arm, adjust the arm to the length of the stock arm that was removed from the vehicle. Place the arm on the vehicle and use the provided 1/2"–20 x 3.75"L Hex Head Bolts along with the 1/2"–20 Nylock nuts and 1/2" Flat Washers. Do not torque the end link bolts as they will be tightened later with the vehicle at ride height.

7. Repeat Step 6 for the opposite side lower link.

8. Once all of the links are installed, verify the rear axle is centered in the car and the wheelbase is correct. Also, make sure the pinion angle is set correctly. It may be necessary to adjust the links both top and bottom to obtain proper fitment. **NOTE: There can be no more than 2" of exposed threads on the end link (3/4" of thread engagement in the tube). This measurement does include the jam nut (see page 5).** Torque the jam nuts on each link to 50 ft-lbs.

9. Settle the suspension by bouncing the vehicle several times and then torque all of the rear suspension link pivot bolts to 110 ft-lbs. with the vehicle sitting at ride height.

10. Re-install the rear wheels and torque to the manufacturer's recommended torque specs. Lower the vehicle to the ground.

11. The installation is complete at this time.

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

Detroit Speed, Inc.
Swivel-Links

WARNING:

There can be no more than 2" of exposed threads on the end link (3/4" of thread engagement in the tube). This measurement does include the jam nut (see below).