



Detroit Speed  
 Coilover Shock Adjustment  
 P/N: 031008DS, 031029DS



Figure 1

Item	Description	Quantity
1	Coilover Shock Assembly	2
2	Rubber Bumper	4
3	Black Flat Washer	4
4	5/8"-18 Nylock Nut	2
5	Instructions	1

**Step 1.** Assemble the coilover shock for installation in the vehicle. The coilover adjuster nut must be threaded all of the way to the bottom of the threads.

**Step 2.** Slide the black steel washer and a rubber bumper over the threaded portion of the shock.

**Step 3.** Slide the coilover spring over the shock and install in the vehicle. Turn the spring if necessary to locate the spring in the frame. With the assembly installed in the frame mount, slide the other rubber bumper over the threaded shaft on the shock followed by the other black steel washer.

**Step 4.** Install and tighten the 5/8"-18 Nylock Nut. To tighten, hold the hex portion of the shaft with a 1/2" box end wrench. **CAUTION: When tightening the 5/8"-18 Nylock Nut, failure to hold the shaft from turning while under pressure can cause the inner shaft nut to loosen and fall off. This would result in sending the shocks back to be repaired at the customer's expense.** Tighten the nut until the rubber bumper starts to compress and turn the nut one additional turn. **NOTE: Do not over tighten the Nylock nut.**

**Step 5.** With the coilover shock assembled thread the adjusting ring on the shock until it is approximately 2" from the bottom of the threads. This is a good starting point and will need to be adjusted later with the vehicle completely assembled.

**Step 6.** Setting the vehicle ride height.

With the vehicle assembled with all components installed, adjust the vehicle ride. Before adjusting the ride height, DSE recommends cleaning the threads of the shock. Once the threads are clean, DSE recommends applying dry bicycle chain lube to the threads of the shock body before adjusting the spanner nut and compressing the coilover spring. Allow the chain lube to dry before adjusting the spanner nut. If you have the non-adjustable shocks, the spanner nut has a soft tip set screw that will need to be tightened before the vehicle is driven.

**NOTE:** Detroit Speed offers a Spanner Tool available as P/N: 031060DS. A photo can be seen in Figure 2.



**Figure 2 – Adjustable Spanner Wrench**

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

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