

Instructional Guide

Rear Coilover Conversion Kit

94-96 B-Body

Parts in this kit may vary slightly from photo.



Speedtech
PERFORMANCE

CHASSIS - SUSPENSION - PRO TOURING - AUTOCROSS - DRAG RACING - CUSTOM BUILDS

435.628.4300 SPEEDTECHPERFORMANCE.COM    

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Revision Sheet

Release No.	Date	Revision Description
Rev. 0	8/8/22	Created - CF
Rev. 1		
Rev. 2		
Rev. 3		

Installation Guide Approval Memorandum

I have carefully assessed the Installation Guide. This document has been completed in accordance with the expectations as follows.

APPROVAL - Please initial the appropriate statement.

_____ Engineering: The document is accepted pending the changes noted.

_____ Workshop: The document is accepted pending the changes noted.

_____ The document is not accepted.



Figure 1 1996 Impala, features our B-Body suspension - @6ohmoe

Congratulations on the purchase of your new Speedtech Performance B-Body Rear Coilover Conversion Kit. Use only approved and appropriately rated jack and jack stands, be sure to take all safety precautions required to do the job safely and correctly. If you are unsure seek the assistance of a highly qualified workshop to assist you.

Read and understand all instructions thoroughly before you begin. For the most part, assembly and set up of your new B-Body Rear Coilover Conversion Kit can be done in a home garage with hand tools and basic welding equipment.

We enjoy seeing the progress our customers are making as they work through their builds so join the Team Speedtech group on Facebook and share your pictures and your story.

From everyone at Speedtech Performance we send you all best wishes for your project!

Installation Guide

TABLE OF CONTENTS

1. GENERAL INFORMATION

- 1.1 THIS GUIDE
- 1.2 OVERVIEW
- 1.3 TOOLS

2. CHECK IN PARTS AND HARDWARE

- 2.1 CHECKING IN THE ORDER
- 2.2 CHECK IN TABLES

3. GETTING STARTED

- 3.1 LEVELING AND SUPPORT

4. INSTALLATION

- 4.1 FACTORY SHOCK MOUNT
- 4.2 DRILLING
- 4.3 SHOCK MOUNT
- 4.4 REPEAT

5. RIDE HEIGHT / ADJUSTMENT

6. CONGRATULATIONS

1.0 GENERAL INFORMATION

[Back to Table to Contents](#)

1.1 This Guide

The following instructions are intended for professional installers and are guidelines only. Speedtech Performance assumes no responsibility for the installation of any of its products installed by others. All products are intended to be installed by qualified professionals.

NOTE! Some Items pictured may look different then the parts you have in the kit you received. For example, in this guide we have only used pictures of the B-Body Rear Coilover Conversion Kit. Your application may have a slightly different shape the part is functionally the same and is installed in the same manner described.

1.2 Overview

These instructions outline the B-Body Rear Coilover Conversion Kit. Some photos in the install process may vary slightly from your exact application.

We recommend you inspect all of your car's suspension components prior to installation of our parts, such as bushings and brake lines which may be worn and could cause adverse effects. Replace parts as necessary. We suggest you replace the upper axle housing bushings with factory replacement rubber bushings. This will allow the correct amount of articulation that the rear suspension requires.

The Speedtech coilover bracket is designed to slip over and bolt on to the existing shock bracket. Note that for determining left and right sides, the shock mount tabs are located inward.

1.3 Tools

Installation of the Speedtech Performance A-Body Rear Coilover Conversion Kit can be done on the floor with simple hand tools.

Additional things to have before you start:

- Socket / Wrench
- Floor Stands
- Floor Jack
- Drill with 3/8 and 7/16 bits

2.0 CHECK IN PARTS AND HARDWARE

[Back to Table to Contents](#)

2.1 Checking in the Order

Best practice will be to check in your order as soon as possible after receiving the order. To check in the order we have provided tables, these can be used as check lists for your order. If you discover anything missing from your order, call your authorized dealer as soon as possible.

2.2 Check in Tables

Non-Currie

X	#	Description	Size
	2	Aluminum Shock Adapter	
	4	Shock Mount Conversion Brackets	
	4	Upper Bracket Mount -Bolt	3/8 x 1 ¼ NC
	4	Upper Bracket Mount -Bolt	7/16 x 1 ¼ NF
	2	Lower Bracket Mount -Bolt	1/2 x 1 ¼ NF
	2	Shock Adapter Mount -Bolt	5/8 x 1
	2	Shock Adapter Mount -Bolt	5/8 x 4 ½ NF
	4	Nylock Nut	7/16
	4	Nylock Nut	3/8
	2	Nylock Nut	5/8
	8	Washer	3/8
	8	Washer	7/16
	6	Washer	5/8

3.0 GETTING STARTED

[Back to Table to Contents](#)

3.1 LEVELING AND SUPPORT

2. Jack up and properly support the vehicle's frame on sturdy jack stands. Remove the rear wheels if needed for extra room to work. With the rear axle supported, remove one side's shock and the rearward part of the lower control arm. Carefully lower the rear axle to the point that you can remove the coil springs.

Note: Doing one side at a time keeps the rear axle stable in position.

4.0 INSTALLATION

[Back to Table to Contents](#)

4.1 FACTORY SHOCK MOUNT

Attach the new conversion bracket to the factory shock mount bracket. First bolt the 1/2 x 1 1/4" bolt, (2) 1/2" washers, and 1/2" Nylock nut through the original hole where the factory shock bolt used to be. Be sure Speedtech bracket fits snug up against the factory shock bracket before tightening.



4.2 DRILLING

Next, clamp the bracket to the factory mount. This will keep it stable while you drill the two required holes.

Measure and mark the rear side of the factory bracket 3" above the 1/2" bolt. Using your mark, drill a 7/16" hole through both the factory and Speedtech bracket. Install one 7/16 x 1 1/4", (2) 7/16" washers, and one 7/16" Nylock nut through the hole and tighten.



Using the pre-drilled hole in the Speedtech bracket as a guide, drill a 7/16" hole in the side of the factory bracket. Use one 7/16 x 1 1/4" bolt, (2) 7/16" washers, and one 7/16" Nylock Nut and tighten down.

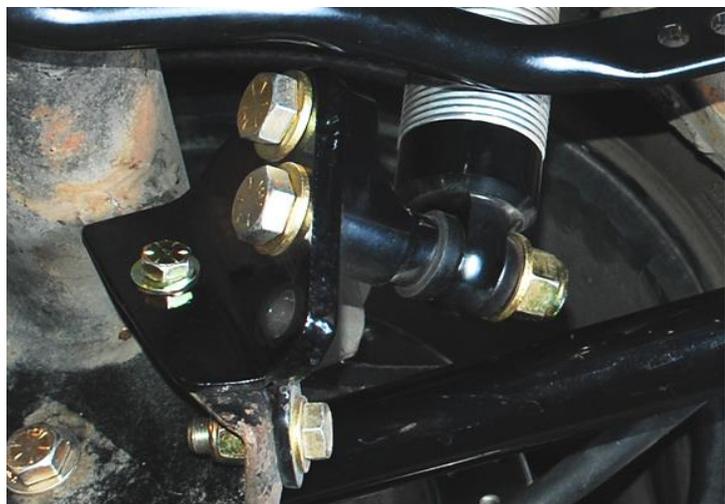


DO NOT skip these steps. Both of the 7/16" bolts must be installed to properly secure the coilover conversion bracket.

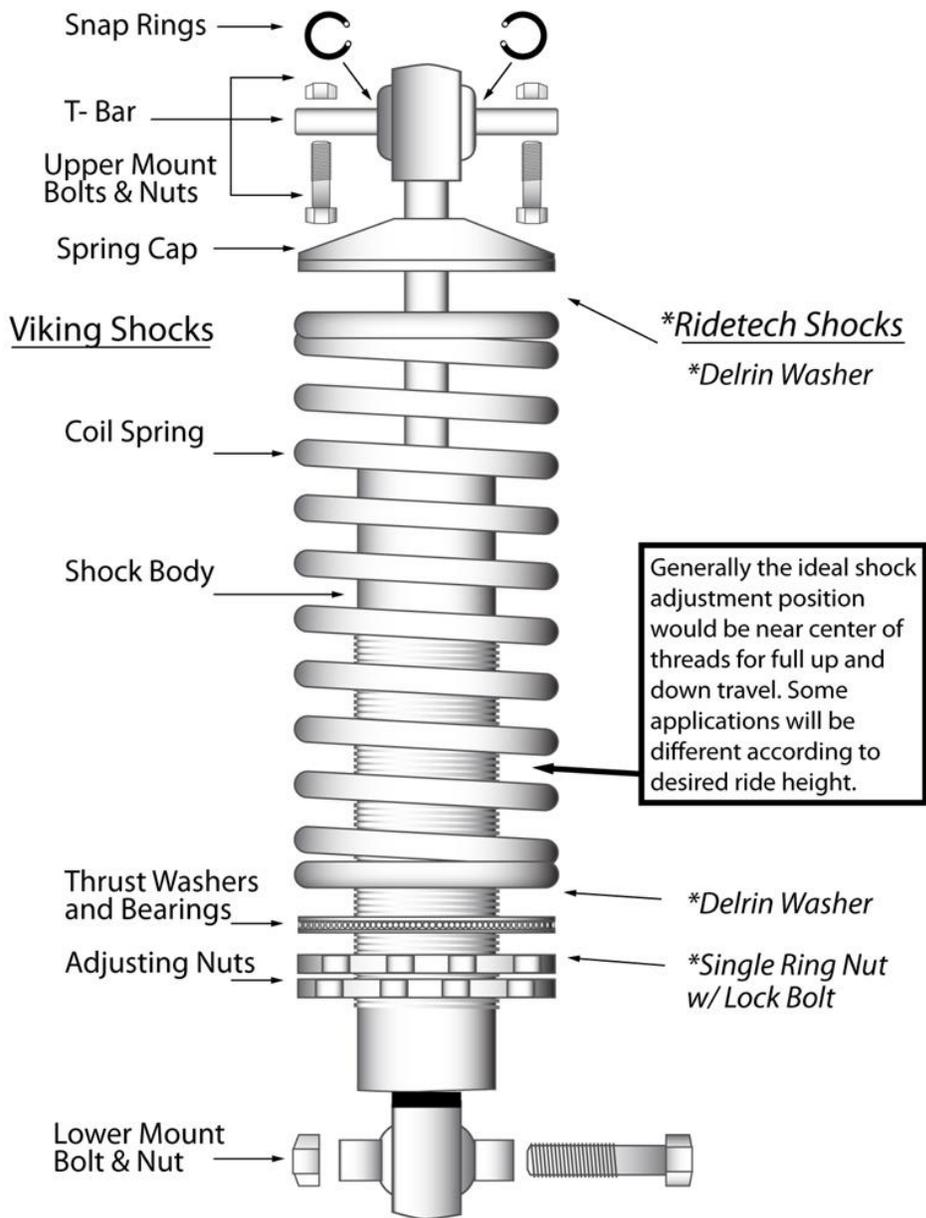
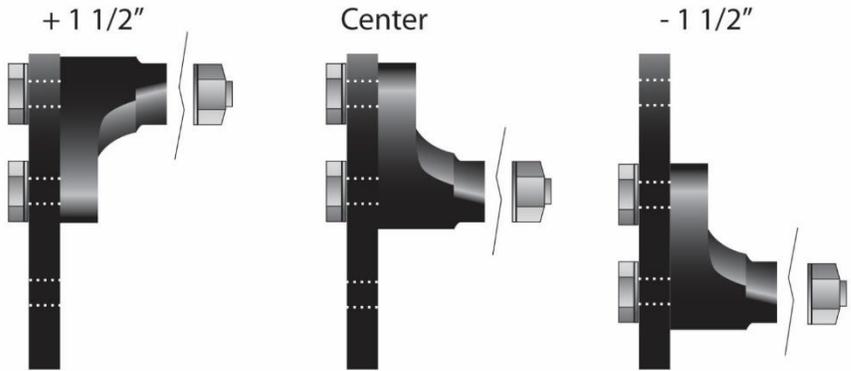


4.3 SHOCK MOUNT ADAPTER

Install the shock mount adapter to the bracket using the 5/8 x 1" bolt. There are 3 possible positions to mount this adapter, each affecting ride height up or down. We recommend bolting the longer 5/8 x 4 1/2" bolt through the center hole as a starting point.



If you want additional ride height - drop or lift, simply rotate the adapter accordingly to move that longer bolt to one of the other holes.



NOTE: If a shock is completely assembled it may be difficult to install the upper mount bolts. We recommend the following steps to ease installation. First install the spring lower adjusting nuts on the shock body at the lowest setting. Slip the thrust washers and spring onto the shock body. Without the top spring cap in place, install the shock into the lower adapter mount with the 5/8 x 4 1/2" and into the upper mount with the 3/8" bolts, washers, and nuts. Moving the spring side to side should yield you enough room to tighten the two upper bolts. When the shock is bolted tight, install the upper spring cap and then tighten the spring adjusting nuts so that the spring is up against the top cap.

4.4 REPEAT

Make sure all bolts are tight, then repeat process for the other side.

5.0 RIDE HEIGHT / ALIGNMENT

[Back to Table to Contents](#)

With the weight off the rear suspension, support the rear axle and set the initial ride height according to manufacturer recommendations. Replace wheels and tires and carefully lower the vehicle back onto the ground. Now fine tune your ride height adjustments.

Because you have used factory mounting points as a base for this kit a wheel alignment may not be necessary. If you have installed adjustable trailing arms and/or changed front suspension components at the same time we do recommend having an alignment performed by a reputable source familiar with performance-based alignments on older vehicles.

6.0 Congratulations

[Back to Table to Contents](#)

Congratulations on completing your project, we know you will get many years of enjoyment from your project. Please join the group [Team Speedtech](#) on Facebook. Team Speedtech is a community of like-minded individuals using Speedtech Performance products. The Group's members include customers, our dealers and factory employees - each with a passion for Pro Touring muscle cars. You can ask questions and get advice from the group members as well as share your experience. Within the group we enjoy seeing the videos and pictures during the progress of your projects so post up. We also encourage you to share pictures and videos of your finished projects out on the road, at the show & shine, on track or however you get enjoyment from your ride, we want to see it!

Thank you for choosing Speedtech Performance! We know you have a choice, and we appreciate that you entrust us with your chassis and suspension needs for you custom muscle cars.

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