

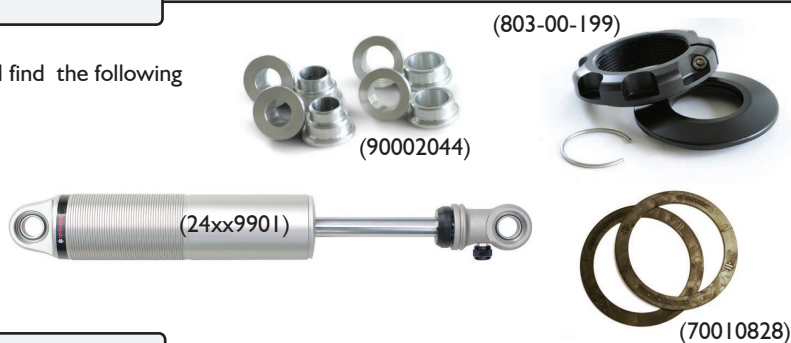
# Coil-Over Instructions



## In the box.....

Thank you for purchasing our product. In the box you will find the following components.

- I- Billet aluminum mono tube shock (24xx9901)
  - I- Upper spring seat
  - I- Lower adjuster nut
  - I- Upper spring seat clip
  - I- set of 5/8"-1/2" bearing spacer kit (90002044)
  - I- Delrin Washer set of 2 (70010828)
- } Sold as a kit (803-00-199)



## CoilOver Assembly...



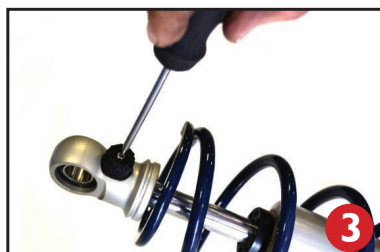
1

First, using the supplied lower adjuster nut (803-00-199) thread the nut onto the shock from the bottom side as seen in figure 1. Remove the plastic pellet that is in the split of the adjuster nut.



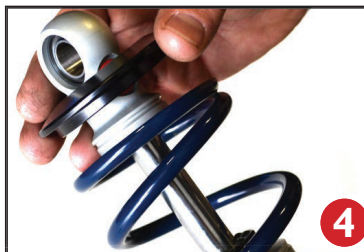
2

Next, install a delrin washer then coil spring over the top of the shock as seen in figure 2.



3

Before the upper spring mount can be installed screw the adjuster knob on the upper eye mount to the firmest setting (clockwise) as seen in figure 3. Then remove the Knob by holding it while removing the center screw.



4

Once the knob is removed slide a Delrin washer over the eyelet. Next, slide the upper spring mount (803-00-199) over eyelet as seen in figure 4.



5

Install upper spring mount retainer clip (803-00-199) into the groove on the upper eyelet as seen in figure 5. Then, reinstall adjuster to complete assembly.

**Install the locking screw in the adjuster nut before setting spring preload, but DO NOT tighten until the spring preload has been set.**

**NOTE:** Remember to adjust the shock valving before driving, the shock is currently set to full stiff. Start with the shock 12 clicks out from full stiff.

## Shock Adjustment 101- Single Adjustable

### Rebound Adjustment:

How to adjust your new shocks.

The rebound adjustment knob is located on the top of the shock absorber protruding from the eyelet.

You must first begin at the ZERO setting, then set the shock to a medium setting of 12.



-Begin with the shocks adjusted to the ZERO rebound position (full stiff). Do this by rotating the rebound adjuster knob clockwise until it stops.



-Now turn the rebound adjuster knob counter clock wise 12 clicks. This sets the shock at 12. (settings 21-24 are typically too soft for street use).

### Take the vehicle for a test drive.



-if you are satisfied with the ride quality, do not do anything, you are set!

-if the ride quality is too soft increase the damping effect by rotating the rebound knob clock wise 3 clicks. CONTINUE ON NEXT PAGE.

## Take the vehicle for another test drive.



-if the vehicle is too soft increase the damping effect by rotating the rebound knob clock wise 3 additional clicks.

-If the vehicle is too stiff rotate the rebound adjustment knob counter clock wise 2 clicks and you are set!

Take the vehicle for another test drive and repeat the above steps until the ride quality is satisfactory.

### **Note:**

**One end of the vehicle will likely reach the desired setting before the other end. If this happens stop adjusting the satisfied end and keep adjusting the unsatisfied end until the overall ride quality is satisfactory.**

## Shock Adjustment 101- Triple Adjustable

### Triple Adjustable:

#### Step One: High Speed Compression



High speed compression adjustment is what is typically felt during street driving.

-High speed compression adjustments are used in both street driving and track tuning.

-Begin with the shocks adjusted to the ZERO high speed compression position (full stiff). Do this by rotating the high speed compression adjuster (large knob) clockwise until it stops.



-Now turn the high speed compression adjuster knob counter clock wise 12 clicks. This sets the shock at 12. (settings 21-24 are typically too soft for street use. For typical street driving the high speed compression adjuster will remain at setting 12.

#### Step Two: Low Speed Compression



Low speed compression adjustment is used to dial in the handling of your vehicle.

-Begin with the shocks adjusted to the ZERO low speed compression position (full stiff). Do this by rotating the low speed compression adjuster (small knob) clockwise until it stops.



-Now turn the low speed compression adjuster knob counter clock wise 12 clicks. This sets the shock at 12. (settings 21-24 are typically too soft for street use). Take the vehicle for a test drive.

-if you are satisfied with the ride quality, do not do anything, you are set!



-if the ride quality is too soft increase the damping effect by rotating the low speed compression knob clock wise 3 clicks.

## Take the vehicle for another test drive.



-if the vehicle is too soft increase the damping effect by rotating the low speed compression knob clock wise 3 additional clicks.



-If the vehicle is too stiff rotate the low speed compression adjustment knob counter clock wise 2 clicks and you are set!

Take the vehicle for another test drive and repeat the above steps until the ride quality is satisfactory.

### Step 3:

Adjust rebound according to Single Adjustable instructions.

### **Note:**

**One end of the vehicle will likely reach the desired setting before the other end. If this happens stop adjusting the satisfied end and keep adjusting the unsatisfied end until the overall ride quality is satisfactory.**

## Coil-Over Dimensions



### Coil-Over Shocks with Eye Mount

Stroke	Compressed Height	Ride Height	Extended Length	HQ Spring Length	TQ Spring Length	HQ Single Adjustable	TQ Triple Adjustable
2.9	8.73	10.5	11.63	8"	7"	24129901	24329901
3.6	9.43	11.5	13.03	8"	8"	24139901	24339901
4.1	10.13	12.5	14.23	10"	8"	24149901	24349901
5.2	11.23	14.5	16.43	12"	10"	24159901	24359901
6.3	12.33	16	18.63	14"	12"	24169901	24369901
6.9	13.13	17.25	20.03	14"	14"	24179901	24379901



### Coil-Over Shocks with Stud Mount

Stroke	Compressed Height	Ride Height	Extended Length	HQ Spring Length	TQ Spring Length	HQ Single Adjustable	TQ Triple Adjustable
2.9	9.03	10.5	11.93	8"	7"	24129905	24329905
3.6	9.73	11.5	13.33	8"	8"	24139905	24339905
4.1	10.43	12.5	14.53	10"	8"	24149905	24349905
5.2	11.53	14.5	16.73	12"	10"	24159905	24359905
6.3	12.63	16	18.93	14"	12"	24169905	24369905
6.9	13.43	17.25	20.33	14"	14"	24179905	24379905

## Coil-Springs

### RideTech 2 1/2" coil over springs

built in Indiana by HyperCo:

High tensile premium steel CNC cold wound, less weight, more resistant to bowing, increased travel with durable powered coated finish

**All popular rates in 7", 8", 10", 12" & 14" lengths**

RIDETECH HIGH TENSILE 2 1/2" ID COIL SPRINGS (each)  
Popular Lengths & Rates (Call for additional spring rates).....\$75

Rate	7"	8"	10"	12"	14"
125 lbs	59070125	59080125	59100125	59120125	59140125
150 lbs	NA	59080150	59100150	59120150	59140150
175 lbs	59070175	59080175	59100175	59120175	59140175
200 lbs	59070200	59080200	59100200	59120200	59140200
225 lbs	NA	59080225	59100225	59120225	59140225
250 lbs	59070250	59080250	59100250	59120250	59140250
275 lbs	59070275	59080275	59100275	59120275	59140275
300 lbs	59070300	59080300	59100300	59120300	59140300
325 lbs	NA	59080325	59100325	59120325	59140325
350 lbs	59070350	59080350	59100350	59120350	59140350
375 lbs	NA	59080375	59100375	59120375	59140375
400 lbs	59070400	59080400	59100400	59120400	59140400
425 lbs	NA	59080425	59100425	59120425	NA
450 lbs	59070450	59080450	59100450	59120450	59140450
475 lbs	NA	59080475	59100475	59120475	NA
500 lbs	59070500	59080500	59100500	59120500	59140500
525 lbs	NA	59080525	59100525	59120525	NA
550 lbs	59070550	59080550	59100550	59120550	NA
600 lbs	59070600	59080600	59100600	59120600	59140600
650 lbs	59070650	59080650	59100650	59120650	NA
700 lbs	59070700	59080700	59100700	59120700	NA
750 lbs	59070750	59080750	59100750	59120750	NA
800 lbs	59070800	59080800	59100800	59120800	NA

## Misc Components

### Bearing Spacers

I.D.	Width	Common Usage	Part #	Price
1/2"	1"	Custom Applications	90002041	\$2.50 /ea
5/8"	1 1/4"	Included with universal shocks	90002042	\$1.50 /ea
1/2"	1 1/4"	Included with universal shocks	90002043	\$1.50 /ea
1/2"	1 5/8"	Custom Applications	90002460	\$3.50 /ea
1/2"	1 9/16"	Custom Applications	90002040	\$3.50 /ea
1/2"	2"	RideTech Lower Arms	90002062	\$2.50 /ea
1/2"	2 3/8"	Custom Applications	90002462	\$3.50 /ea
1/2"	3 5/16"	Stock style Mill Lower arm	90002461	\$3.50 /ea
5/8"	1 7/16"	Shock Stud & Cantilever Pin	90002067	\$1.50 /ea
9/16"	2 9/16"	Custom Applications	90002381	\$3.50 /ea



### HQ Series Mounts

Series	Length	Mount	Part #	Price
HQ	1.7"	EYE	90002074	\$50 /ea
HQ	2.7"	EYE	90002075	\$50 /ea
HQ	3.7"	EYE	90002076	\$50 /ea
HQ	2"	STUD	90002048	\$75 /ea
HQ	2.7"	STUD	90002049	\$75 /ea
HQ	3.7"	STUD	90002050	\$75 /ea



**90001994**



**Bearings**  
1" OD x 5/8"  
\$10 each

**90009990**



**GM Trunnion mount**  
Front - 2.25"-2.875"  
\$20 each

**70010828**



**Delrin Spring Washer**  
\$5 each  
Sold individually  
2 needed for one coilover

### Dropped Upper Mounts

**Standard mount** **Dropped mount**



Optional dropped upper spring mount allows an extra 3/4" of spring clearance at the top of the Coilover.

90002070.....\$25 ea

**90002057**



**Snap Rings**  
\$5 pack