

# DRIVELINE/SUSPENSION



C42-427



C42-429

## LATERAL LIMITER KIT

Controls engine and transmission movement during hard acceleration or braking. With 4130 chromoly tubing and brackets, this kit is recommended when using motor plates.

PART #	DESCRIPTION	PRICE
C42-427	UNIVERSAL KIT	\$69.95
C42-429	9" TO "SHORTY" GLIDE KIT	\$149.95
C42-430	"SHORTY" GLIDE BRACKET ONLY	\$58.75
C42-431	9" BRACKET ONLY	\$58.75



C42-430



C42-431



C52-100

## TORSION BAR KIT

Eliminates body roll for equal traction of both rear tires. Torsion bar is 30" long and may be shortened as needed. CNC machined billet aluminum arms are 6-1/2" long center to center and adjuster links include chromoly rod ends. Kit includes torsion tube, mount tube, tabs, bushings, and hardware.

PART #	DESCRIPTION	PRICE
C52-100	TORSION BAR KIT	\$262.95
C52-105	ARM ONLY	\$66.95



## MULTIPLE DISC CLUTCH

This bolt-on package includes special formed steel pressure plate, semi-metallic 3-pad discs, floater plate, release bearing, and labor to modify your flywheel to accept clutch package. Clutch may be installed in dowel pinned, wedge mated, flanged, Type IV, or most adapter type flywheels. Requires late style throw-out bearing shaft with "candlestick" style bearing support.

PART #	DESCRIPTION	PRICE
C35-001	COMPLETE CLUTCH KIT, VW SPLINE	\$577.45
C35-002	COMPLETE CLUTCH KIT, 1-1/8-10 (CHEVY) SPLINE	\$577.45

REPLACEMENT PARTS		
PART #	DESCRIPTION	PRICE
C35-010	T/O BEARING	\$39.95
C35-007	VW SPLINED CLUTCH DISC	\$79.95
C35-008	1-1/8-10 (CHEVY) SPLINE CLUTCH DISC	\$79.95
C35-006	FLOATER PLATE	\$81.95
C35-005	PRESSURE PLATE	\$172.95
	MACHINING TO FLYWHEEL	\$120.00
	ADDITIONAL LIGHTENING TO FLYWHEEL	\$75.00

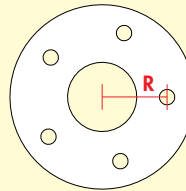
**WHEEL SPACERS**

Hard-anodized billet aluminum wheel spacers are CNC machined for accuracy. Available in either 1/4" or 1/2" thick.



PART #	THICKNESS	BOLT PATTERNS	HOLE DIA.	CENTER HOLE ID	QTY. PER PACK	PRICE
C44-001*	1/4"	5 ON 4-1/2", 4-3/4" & 5"	.702"	3-1/16"	2	\$62.95
C44-003*	1/2"	5 ON 4-1/2", 4-3/4" & 5"	.702"	3-1/16"	2	\$89.95
C44-005*	1/4"	5 ON 5-1/2" "FLOATER TYPE"	.702"	3-1/2"	2	\$67.95
C44-007*	1/2"	5 ON 5-1/2" "FLOATER TYPE"	.702"	3-1/2"	2	\$89.95
C44-013*	1/4"	5 ON 135mm & 5 ON 5-1/2"	.702"	4-1/4"	2	\$67.95
C44-015*	1/2"	5 ON 135mm & 5 ON 5-1/2"	.702"	4-1/4"	2	\$89.95
C44-017	1/4"	6 ON 5-1/2"	.531"	4-1/4"	2	\$67.95
C44-019	1/2"	6 ON 5-1/2"	.531"	4-1/4"	2	\$96.95
C44-021	1/4"	8 ON 170mm & 8 ON 6-1/2"	.578"	5-1/8"	2	\$79.95
C44-023	1/2"	8 ON 170mm & 8 ON 6-1/2"	.578"	5-1/8"	2	\$106.95

\* Requires stud bushings if using 1/2" diameter studs.



Bolt Pattern = Radius x 2.

Radius is measured from center of spacer to center of stud hole.

**REAR END COUPLER**

Super tough couplers for powerglide or turbo 350 to 9" rear end.



FEMALE			
PART #	SPLINE PINION	FIT PINION	PRICE
U-3627	28	9"	\$89.50
U-3629	35	9"	\$89.50



MALE			
PART #	LENGTH	FITS SPLINE TRANS	PRICE
U-3647	3-7/8"	27	\$92.40
U-3648	6-3/4"	27	\$126.50



2 PC QUICK RELEASE MALE FITS SPLINE			
PART #	STYLE	TRANS	PRICE
U-3650	4" SHORT	27	\$165.00
U-3651	6" LONG	27	\$175.00

Two-Piece design slides out to allow trans to be removed without pulling engine or rear end.

**STUD BUSHINGS**

These steel bushings reduce wheel spacers with .702" diameter holes. For applications using 1/2" diameter studs.



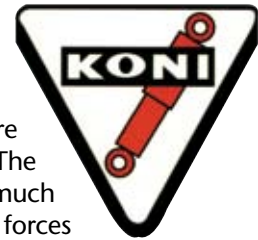
PART #	THICKNESS	I.D.	QTY. PER PACK	PRICE
C44-010	1/4"	1/2"	10	\$16.95
C44-011	1/2"	1/2"	10	\$16.95

**HOUSING ENDS**

These ends permit the use of larger outer bearings when narrowing your rear end housing. Bolt patterns listed on page 74.



PART #	SIZE	BORE	QTY. PER PACK	PRICE
C42-700	OLDS/PONTIAC	3.150"	2	\$65.95
C42-701	BIG FORD, OLD STYLE	3.150"	2	\$65.95
C42-702	SMALL FORD	2.835"	2	\$65.95
C42-703	MOPAR/DANA	2.875"	2	\$65.95



### WHY KONI SPA-1?

The Koni SPA-1 series oil-filled shock absorber (for drag racing only) is a complete departure from the "90/10" thinking which is no longer effective in modern drag race competition. The old thinking was to allow the vehicle front end to rise quickly and stay there to promote as much weight transfer as possible to the rear wheels. This was achieved by virtually no rebound forces ("10") and a great deal of bump forces ("90"). This massive amount of bump force was supposed to hold the front suspension up to maintain that "bite." Only one problem. That nose-in-the-air attitude trapped huge volumes of air which ruined any attempt at aerodynamics so E.T.'s were not as good as they could have been. Koni SPA-1 series shocks deal with this in several ways. First, they use virtually no bump (compression) dampening. Why? To allow the front-end to settle quicker, restoring the nose down attitude that is so essential for cleaner air flow. Second, the rebound (extension) forces are velocity sensitive; that is, they increase at a rate directly proportionate to piston speed.

### HOW TO DETERMINE THE CORRECT SHOCK ABSORBER LENGTH

Observe the following three guidelines when determining the correct shock absorber length for your vehicle.

1) Preparing the Car:

Place the car body on a level surface and remove springs, shock absorbers, bump rubbers, and sway bar(s).

2) Determining the Maximum Length:

Raise the car body until the tires are lifted off the ground. Take careful note of which component of the suspension is limiting the suspension from traveling further. Raise the tire enough to prevent that suspension component from binding. Measure between the center of the upper and lower shock mounting points. This gives you the desired maximum length shock.

3) Determining the Minimum Length:

Lower the car to the point at which the tub just touches on the pavement, or a tire just touches on the inside of the fender well, or until some other suspension component uses up all its available travel. Measure between the center of the upper and lower shock mounting points. Now select a KONI shock with a minimum which is shorter than your measured minimum suspension length. By choosing a slightly shorter shock you protect the shock from bottoming out and causing internal damage.

### HOW TO DETERMINE SPRING RATE

1) Determining Travel:

It is recommended that there be approximately 3" of compression travel available (including the bumpstop). This means the chassis must be supported by a spring rate that will allow the chassis to be supported 3" upward from the bottoming position.

2) Determining the Vehicle Sprung Weight:

Establish front and rear weight of the vehicle. Establish unsprung weight. This is the weight not supported by the springs. i.e., tires, wheels, wheelie bars, brakes, and 1/2 of the weight of the shock, spring, driveline, and ladder bar or four link. 1/2 the weight is used for some components because their weights are equally shared between sprung and unsprung weight. Determine spring weight, that is the weight of the vehicle less the unsprung weight.

3) Determining Spring Rate:

Divide the rear sprung weight by 2 to determine the load for each rear corner. Divide the front sprung weight by 2 to determine the load for each front corner. If the load for the rear corners is 330 lbs. each (660 lbs./2 = 330 lbs.) then divide the 330 lbs. by the compression travel needed and you arrive at the base spring rate of 110 lbs. per inch. Ex: 330 lbs./3" compression travel = 110 lbs. spring rate.



## SHOCKS

### 8216 SERIES SHOCK SINGLE EXTERNAL ADJUSTABLE

New aluminum construction with externally adjustable rebound control. Features SPA-1 valving adjustable spring platform and accepts 2 1/2" I.D. spring. The rod end inserts have a 1/2" I.D.



External Rebound Adjuster



PART #	MAX	MIN	LENGTH STROKE	SPRING QTY. PER REQUIRED	PACK	PRICE
8216-1906-SPA-1	15.59"	10.98"	4.61"	12"	1	\$294.64
8216-1907-SPA-1	17.17"	11.73"	5.44"	12"	1	\$294.64
8216-1908-SPA-1	19.13"	12.76"	6.37"	14"	1	\$294.64

#### REPLACEMENT PARTS

PART #	DESCRIPTION	PRICE
70.29.01.119.0	UPPER SPRING SEAT	\$41.41
8212.29.129	LOWER SPRING SEAT	\$21.88
8212.29.011	LOCK RING	\$21.88
14.25.50.00.13	1/2" BEARING	\$16.41
70.34.53.000.0	2-5/32" BUMP STOP	\$17.19
70.34.54.000.0	1-9/16" BUMP STOP	\$19.53

### 8216 SERIES SINGLE EXTERNAL ADJUSTABLE - FRONT

Also available in this shorter version, designed for front suspension applications. Accepts all the same replacement parts as other 8216 shocks.



External Rebound Adjuster

PART #	MAX	MIN	STROKE	SPRING LENGTH REQUIRED	QTY. PER PACK	PRICE
8216-2027	11.26"	8.74"	2.52"	7"	1	\$294.64

### SPANNER WRENCH

Universal design adjusts most popular brands of coil-over shocks.



PART #	DESCRIPTION	PRICE
C72-001	SPANNER WRENCH	\$28.57



## SHOCKS

### 8212 SERIES SHOCK DUAL EXTERNAL ADJUSTABLE

Due to its unique valving and wide range of adjustment (both rebound and compression) this series of Koni SPA-1 dampers is adaptable to satisfy many suspension requirements. All aluminum construction with adjustable spring platform accepts a 2-1/2" I.D. spring. The rod end inserts have a 1/2" I.D.



External Rebound Adjuster

External Compression Adjuster



PART #	MAX	MIN	STROKE	SPRING LENGTH REQUIRED	QTY. PER PACK	PRICE
8212-1121-SPA-1	15.88"	10.75"	5.13"	12"	1	\$401.32
8212-1126-SPA-1	17.50"	11.50"	6"	12"	1	\$401.32
8212-1123-SPA-1	19.50"	12.50"	7"	14"	1	\$401.32

PART #	REPLACEMENT PARTS DESCRIPTION	PRICE
70.29.01.121.0	UPPER SPRING SEAT	\$17.50
8212.29.129	LOWER SPRING SEAT	\$21.88
8212.29.011	LOCK RING	\$21.88
15.29.04.003.0	NYLON 2.25" TO 2.5" ADAPTER	\$2.50
1425.50.00.13	1/2" BEARING	\$15.14
70.34.53.000.0	2-5/32" BUMP STOP	\$17.19
70.34.54.000.0	1-9/16" BUMP STOP	\$19.53

### 80 SERIES SHOCK SINGLE ADJUSTABLE

This steel-bodied coil over is for use with coil springs. This rebound adjustable damper features SPA-1 valving and includes an adjustable spring platform, which accepts a 2 1/2" I.D. spring. The rod end inserts have a 1/2" I.D.



PART #	MAX	MIN	STROKE	SPRING LENGTH REQUIRED	QTY. PER PACK	PRICE
80-2650-SPA-1	15.71"	10.63"	5.08"	12"	1	\$165.10

PART #	REPLACEMENT PARTS DESCRIPTION	PRICE
70.29.01.230.0	UPPER SPRING SEAT	\$47.03
70.29.11.246.0	LOWER SPRING SEAT	\$48.91
70.29.13.002.0	LOCK RING	\$32.56

### REPLACEMENT PARTS

See individual listings by each shock.





The finest coil-over spring in the industry. Quality chrome silicone wire is flat ground to equal length and is powder coated for a lasting finish. Available in many spring rates and each spring is individually marked for easy identification. All listed springs are 2 1/2" I.D. Additional sizes available by special order.



7" FREE LENGTH		
PART #	SPRING RATE	PRICE
0700.250.0300	300#	<b>\$55.90</b>
0700.250.0350	350#	<b>\$55.90</b>
0700.250.0400	400#	<b>\$55.90</b>
0700.250.0450	450#	<b>\$55.90</b>
0700.250.0500	500#	<b>\$55.90</b>

Precision flat ground.



14" FREE LENGTH		
PART #	SPRING RATE	PRICE
1400.250.0100	100#	<b>\$55.90</b>
1400.250.0110	110#	<b>\$55.90</b>
1400.250.0120	120#	<b>\$55.90</b>
1400.250.0125	125#	<b>\$55.90</b>
1400.250.0130	130#	<b>\$55.90</b>
1400.250.0140	140#	<b>\$55.90</b>
1400.250.0150	150#	<b>\$55.90</b>
1400.250.0165	165#	<b>\$55.90</b>
1400.250.0175	175#	<b>\$55.90</b>
1400.250.0185	185#	<b>\$55.90</b>
1400.250.0200	200#	<b>\$55.90</b>
1400.250.0225	225#	<b>\$55.90</b>
1400.250.0250	250#	<b>\$55.90</b>
1400.250.0275	275#	<b>\$55.90</b>
1400.250.0300	300#	<b>\$55.90</b>
1400.250.0350	350#	<b>\$55.90</b>
1400.250.0400	400#	<b>\$55.90</b>

12" FREE LENGTH		
PART #	SPRING RATE	PRICE
1200.250.0080	80#	<b>\$55.90</b>
1200.250.0090	90#	<b>\$55.90</b>
1200.250.0100	100#	<b>\$55.90</b>
1200.250.0110	110#	<b>\$55.90</b>
1200.250.0125	125#	<b>\$55.90</b>
1200.250.0130	130#	<b>\$55.90</b>
1200.250.0140	140#	<b>\$55.90</b>
1200.250.0150	150#	<b>\$55.90</b>
1200.250.0165	165#	<b>\$55.90</b>
1200.250.0175	175#	<b>\$55.90</b>
1200.250.0185	185#	<b>\$55.90</b>
1200.250.0200	200#	<b>\$55.90</b>
1200.250.0225	225#	<b>\$55.90</b>
1200.250.0250	250#	<b>\$55.90</b>
1200.250.0275	275#	<b>\$55.90</b>
1200.250.0300	300#	<b>\$55.90</b>
1200.250.0325	325#	<b>\$55.90</b>
1200.250.0350	350#	<b>\$55.90</b>
1200.250.0375	375#	<b>\$55.90</b>
1200.250.0400	400#	<b>\$55.90</b>
1200.250.0425	425#	<b>\$55.90</b>
1200.250.0450	450#	<b>\$55.90</b>

**SPRING BEARING**

Allows for easy spring adjustment. Fits any shock-spring combination using 2-1/2" I.D. springs.



PART #	I.D.	DESCRIPTION	PRICE
C72-060	2-1/2"	1 BEARING & 2 RACES	<b>\$33.45</b>

