

## RS6417B: Jeep Rubicon & Wrangler (TJ) 2.5" Rear Coil Kit

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION**

### IMPORTANT NOTES!

A. To reduce rear driveline vibration on the Rubicon only, replace the rear driveshaft with a double-cardan type and install adjustable cam bolts on the rear suspension upper links.

B. If you install a double-cardan driveshaft, the installation of the skid plate/crossmember spacers and shift relocating bracket are not necessary. The spacers and bracket (if already installed) can be removed to achieve additional ground clearance.

C. Rancho shocks are recommended for this kit due to the increased spring rate and height. .

D. Some of the service procedures require the use of special tools designed for specific procedures. The following tools and supplies are recommended for proper installation of this kit.

- Jeep Service Manual
- Torque Wrench (250 FT-LB capacity)
- Hammer
- 1/2" Drive Ratchet and Sockets
- Combination Wrenches
- Hydraulic Floor Jack
- Heavy Duty Jack stands
- Wheel Chocks (Wooden Blocks)
- Safety Glasses**--Wear safety glasses at all times

E. IMPORTANT information for the end user is contained in the consumer information pack. If you are installing this system for someone else, display the information pack by hanging it from the rear view mirror.

FRONT	REAR
RS999239	RS999241
RS7239	RS7241
RS55239	RS55241
RS5239	RS5241

PART LIST		
P/N	Description	Qty
RS616B	Coil Spring	2
RS88117	Instruction	1

### REAR COIL SPRING REMOVAL

- 1) Park the vehicle on a level surface. Set the parking brake and chock front wheels.
- 2) Disconnect the rear track bar from the frame bracket. See figure 1.

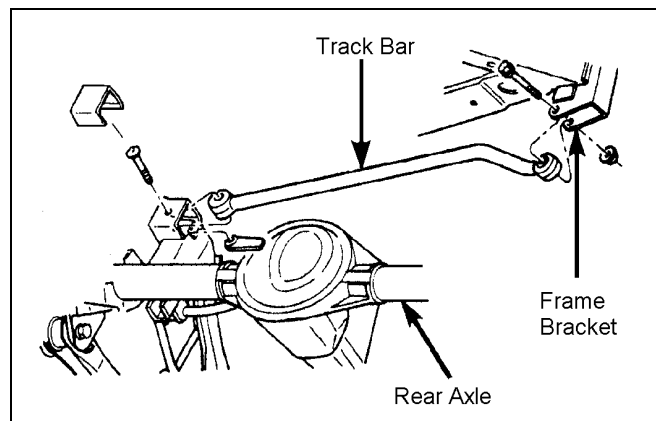


Figure 1

- 3) Disconnect the end links from the sway bar. See figure 2.



Figurer 2

- 4) Raise the rear of the vehicle and support the frame with jack stands.

- 5) Support the rear axle with a floor jack. Remove the rear shock absorbers. See Important Note E.
- 6) Carefully lower the rear axle until the coil springs are free from the upper mounting seat. Remove the coil springs.

**REAR COIL SPRING INSTALLATION**

- 1) Position the new coil springs on the axle pads. Raise the axle until the coil springs seat in the upper mounts.

NOTE: When installing coil springs, make sure that the rubber damper is positioned in the upper mount and the small egg-shaped end of the coil is at the top.

- 2) Install Rancho rear shock absorbers. See Important Note E. Tighten upper mounting bolts to 23 ft. lbs.
- 3) Loosely attach the end links to the sway bar, and attach the track bar to the frame bracket.
- 4) Lower the vehicle to the ground.
- 5) Tighten the end link mounting bolts to 40 ft. lbs. Tighten the shock absorber lower mounting bolts and the track bar mounting bolt to 74 ft. lbs.

**FINAL CHECKS & ADJUSTMENTS**

- 1) Readjust headlamps. Have vehicle Aligned to manufacturer's specifications.

**Alignment Specifications**

ADJUSTMENT	PREFERRED	RANGE
Caster	7°	±1.0°
Camber (fixed angle)	-0.25°	±0.63°
Toe-In (each wheel)	0.15°	±0.15°
Thrust Angle	0	±0.15°

