



RS80132B Rear 4" Lift* Progressive Coil Springs

Fits: 2018-2007 Jeep Wrangler JK

*The addition of aftermarket bumpers, sliders, winches, etc. will net differences in lift height

⚠ WARNING: Carefully read, understand and follow the instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the installation or maintenance of your Rancho suspension system, please see your retailer for assistance or advice. Failure to follow the warnings and instructions provided herein can result in the failure of the suspension system, or can cause you to lose control of your vehicle, resulting in an accident, severe personal injury or death.

These instructions should remain in the vehicle glove box for future reference.

Do not install lifted coil springs without appropriate extended length shocks, brake lines, brake line brackets, bump stop extensions, sway bar end links, track bars, and drive shafts.

Failure to install these lifted height coil springs along with appropriate components can result in the failure of the suspension system, or can cause you to lose control of your vehicle, resulting in an accident, severe personal injury or death.

This suspension system will enhance the off-road performance of your vehicle. It will handle differently, both on and off-road, from a factory equipped passenger car or truck. Failure to drive this vehicle safely may result in serious injury or death to the driver and passengers. **ALWAYS WEAR** your seat belts, **REDUCE** your speed, and **AVOID** sharp turns and other abrupt maneuvers.

Parts List

P/N	DESCRIPTION	QTY.
RS827B	JK Rear 2" Progressive Coil	2
RS88132	Instructions	1

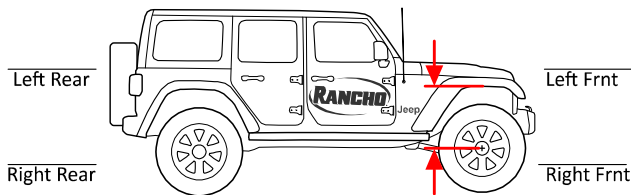
Recommended Rancho Shock Absorbers:

(Must be purchased separately)

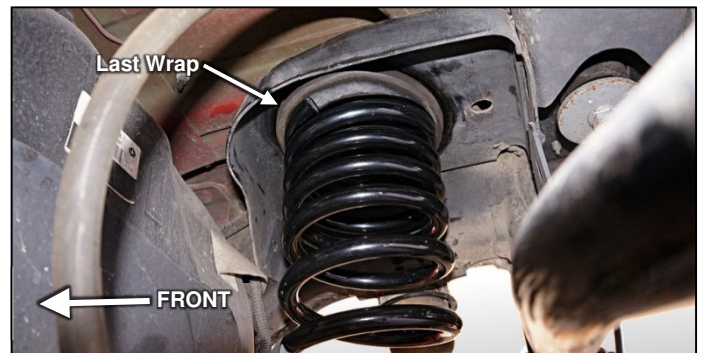
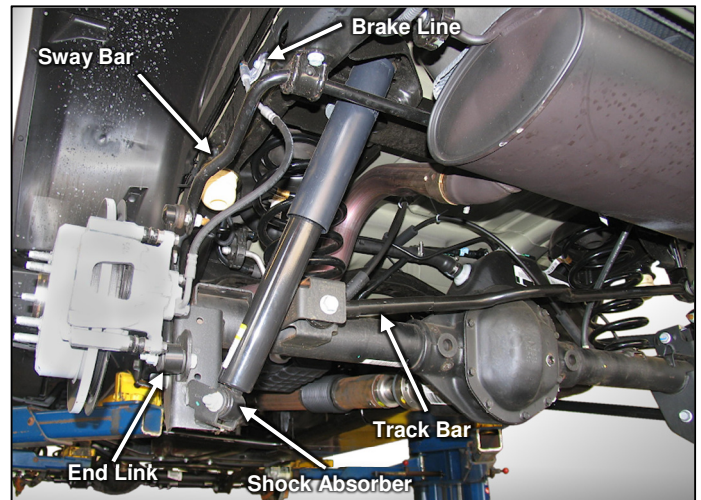
RS999332	RS55332
RS7330	RS5332

COIL SPRING REMOVAL

- 1) Park vehicle on a level surface. Set the parking brake and chock front wheels.
- 2) Measure and record the distance from the center of each wheel to the top of the fender opening.



- 3) Remove the track bar to axle bracket nut and bolt.
- 4) Raise the rear of the vehicle and support the frame with jack stands.
- 5) Remove the rear wheels and set them aside.
- 6) Support the rear axle with a floor jack.
- 7) Remove bolts and separate the brake hoses from the frame rails. Remove clips holding ABS wire to frame. If necessary, disconnect any vent hoses and electrical wiring from the axle.
- 8) Remove the nuts or bolts from the parking brake cable hanger above the rear axle. Remove the hanger from the cables.
- 9) Remove the shock absorber lower nut and bolt.
- 10) Remove the sway bar end links lower nut and bolt.
- 11) Carefully lower the rear axle and remove the coil springs. Push down on axle if necessary.



⚠ WARNING: Do not allow the front axle to hang by any hoses or cables. You could damage the hose or cable, without this damage being visible to you, resulting in sudden and unexpected failure and an accident.

COIL SPRING INSTALLATION

- 1) Installation is the reverse of removal.
- 2) Place OE isolators on top of new coil springs.
- 3) Set coil onto the axle pads. Raise the axle until the coil springs and isolators seat on the upper mounts. Move coils back and forth to seat on upper mounts when raising axle. Align the last wrap of the coil so it hooks around the front of the upper mount.

NOTE: When installing coil springs, make sure that the rubber isolator is positioned in the upper mount and the small egg-shaped pig tail end is at the bottom.

- 4) Install other required components following manufacturer's warnings and instructions.
- 5) Reattach shocks and end links to axle.
- 6) Reattach brake line brackets. (Do not reattach parking brake cable hanger).
- 7) Torque all fasteners to manufacturers recommended torque (see torque specs at end of instruction).
- 8) With the suspension at maximum extension (full droop), inspect and rotate all axles and drive shafts. Check for binding and proper slip yoke insertion. Check for adequate length of any wires, hoses and links. Verify adequate tire, wheel, brake hose and ABS wire clearance. Inspect suspension for tightness and proper operation.
- 9) Install rear wheels and lower vehicle to the ground. Torque lug nuts.

- 10) Reattach track bar to axle mount and torque.

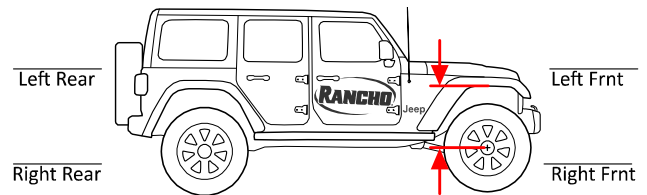
Note: If track bar does not align with bracket, have an assistant push on vehicle to align holes.

- 11) Repeat step 8 with suspension at ride height and full articulation.
- 12) Ensure that the vehicle brake system operates correctly. Verify that each hose and wire allows for full suspension movement.
- 13) Readjust headlamps.
- 14) Have vehicle aligned to manufacturer's specifications.

Alignment Specifications:

Caster	4.8° ± 1.0°
Camber (fixed angle)	-0.25° ± 0.37°
Toe-In, Each Wheel	0.0° – 0.12°
Toe-In, Total	0.0° – 0.20°
Thrust Angle	0° - 0.25°

- 15) Park the vehicle on a level surface. Measure and record the distance from the center of each wheel to the top of the fender opening.



VEHICLE TORQUE SPECS (OE HARDWARE)

Shock Absorber Lower Mount	56 lb-ft
Sway Bar End Link	75 lb-ft
Track Bar	125 lb-ft
Wheels (Lug Nuts)	110 lb-ft.

STANDARD BOLT TORQUE AND IDENTIFICATION

INCH SYSTEM			METRIC SYSTEM			
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9	Class 12.9
5/16	15 LB-FT	20 LB-FT	M6	5 LB-FT	9 LB-FT	12 LB-FT
3/8	30 LB-FT	35 LB-FT	M8	18 LB-FT	23 LB-FT	27 LB-FT
7/16	45 LB-FT	60 LB-FT	M10	32 LB-FT	45 LB-FT	50 LB-FT
1/2	65 LB-FT	90 LB-FT	M12	55 LB-FT	75 LB-FT	90 LB-FT
9/16	95 LB-FT	130 LB-FT	M14	85 LB-FT	120 LB-FT	145 LB-FT
5/8	135 LB-FT	175 LB-FT	M16	130 LB-FT	165 LB-FT	210 LB-FT
3/4	185 LB-FT	280 LB-FT	M18	170 LB-FT	240 LB-FT	290 LB-FT

1/2-13x1.75 HHCS	D = Nominal Diameter	5-Grade-8	Class	10.9	TPI	L	X
D TPI L X	TPI = Threads Per Inch						
M12-1.25x50 HHCS	P = Pitch (Thread Width, mm)						
D P L X	L = Length						
	X = Description (Hex Head Cap Screw)						



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