



## RS80139 X-Lander Rear Lift Progressive Coil Springs

Fits: 2020 Jeep Gladiator JT Rubicon – 3.5" Lift\*

\*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.
RS883B	Left Rear 3.5" Coil - JT	1
RS884B	Right Rear 3.5" Coil - JT	1
RS88139	Instructions	1

**Recommended Rancho Shock Absorbers:** RS55070  
(must be purchased separately) RS999070

### COIL SPRING REMOVAL

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

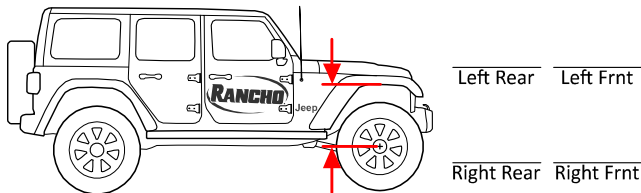


Illustration 1

- With vehicle on the ground, remove track bar bolt at axle. See Illustration 2.
- Raise the rear of the vehicle and support the frame with jack stands. Remove the rear wheels.
- Loosen, but do not remove, track bar bolt at frame.
- Loosen, but do not remove, upper and lower control arm bolts at frame and axle. See Illustration 2.
- Remove bolts and separate the ABS wire brackets from the axle. Unclip ABS wire from brake line and brake line bracket.

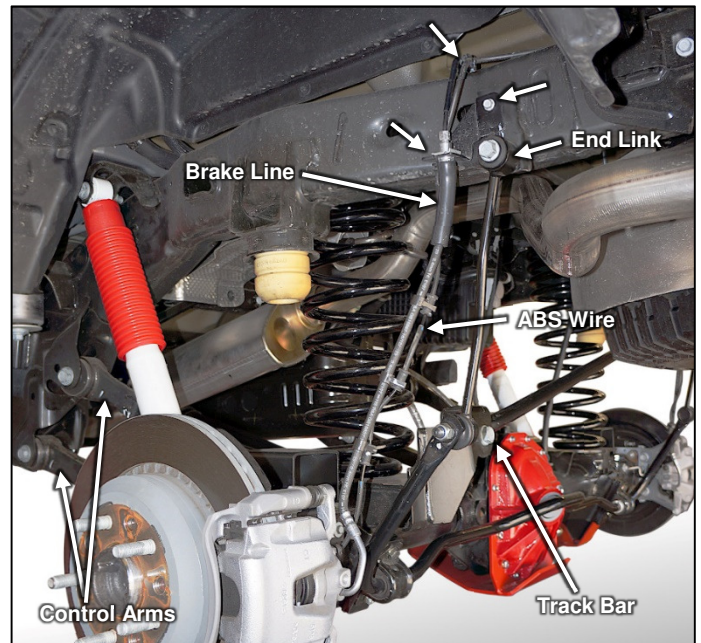


Illustration 2

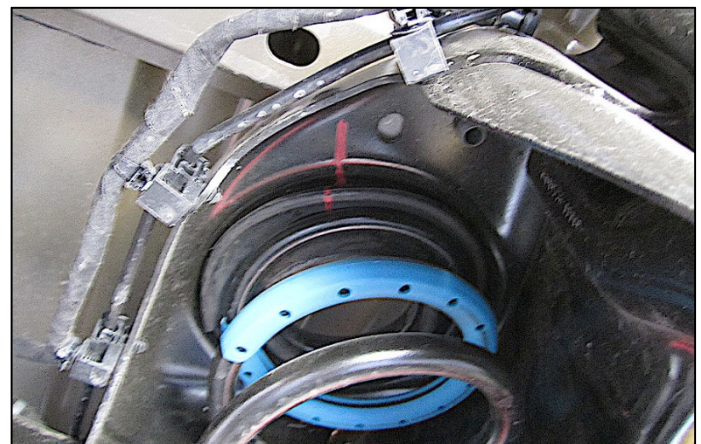


Illustration 3

- 9)  Remove the sway bar end links from frame mount.
- 10)  Mark location of upper coil isolators to frame mount. See Illustration 3.
- 11)  Support the rear axle with a floor jack.
- 12)  Remove the shock absorbers at axle.
- 13)  Carefully lower the rear axle until the coil springs are free from the upper mount seat.

Check any wires or hoses to make sure they are not pulled tight and damaged.

Take care not to over stretch and damage drive shaft boot.

**⚠ WARNING: Do not allow the rear 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.**

- 14)  Remove the coil springs

### **COIL SPRING INSTALLATION**

- 1)  Installation is the reverse of removal.
- 2)  Lower axle more to install new coil springs.

Check any wires or hoses to make sure they are not pull tight and damaged.

Take care not to over stretch and damage drive shaft boot.

**⚠ WARNING: Do not allow the rear 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.**

- 3)  Install new coils using OE isolators. Raise rear axle and make sure coils and isolators are seated properly.

Coils are side specific - RS883B Left, RS884B Right

Make sure locating pin of upper isolator in hole of upper mount and coil pigtail is seated in isolator. Use marks to help align isolators.

- 4)  Install other required components following manufacturer's warnings and instructions.

New rancho shock absorbers RS55070 or RS999070 are recommended.

- 5)  Torque all fasteners to manufacturers recommended torque. If re-using OE track bar and control arms, torque on the ground at ride height.

- 6)  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 steering and suspension for tightness and proper operation.

- 7)  Install wheels and lower vehicle to ground.

- 8)  If re-using OE track bar and control arms, torque on the ground at ride.

- 9)  Repeat step 6 with suspension at ride height and full articulation

- 10)  Ensure that the vehicle brake system operates correctly. Verify that each hose and wire allows for full suspension movement.

- 11)  Readjust headlamps.

- 12)  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. See Illustration 4.

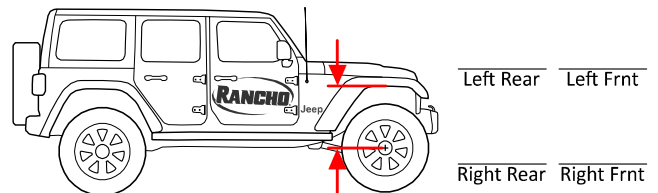


Illustration 4

### OE Torque Specs

Upper Control Arm to Axle (torque at ride height)	190 lb-ft
Lower Control Arm (torque at ride height)	190 lb-ft
Shock Absorber	100 lb-ft

Track Bar (torque at ride height)	120 lb-ft
Sway Bar End Link (upper)	55 lb-ft
Wheels (Lug Nuts)	130 lb-ft



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