

2003-Present Toyota 4Runner | 2007-2014 FJ Cruiser 1.5" Rear
Coil Spring Spacers by Low Range Off-Road (SKU# LR-FJ4RRS)

Installation Instructions



CAUTION: Safety glasses should be worn at all times when working with vehicles and related tools and equipment.



Suggested Tools:

- Floor Jack (or Twin Post Lift)
- 2 Jack Stands (or Under-Hoist Safety Stand)
- Sockets 17 & 19 mm
- Ratchet
- Slip Joint Pliers
- Large Pry Bar

Caution:

This vehicle will require a professional wheel alignment after this lift kit has been installed. Failure to have this vehicle professionally aligned could result in poor vehicle stability, handling, and braking; as well as excessive tread wear. Further, certain aspects of this installation can be dangerous. Therefore, we recommend that a trained professional technician install this kit.

General Note

The photographs for these instructions were taken with the vehicle placed on a twin post lift for a clearer view and better pictures. However, these instructions are written to be used with a floor jack and jack stands to accommodate the majority of our customers. We also used power tools but, manual tools can easily be substituted and work well.

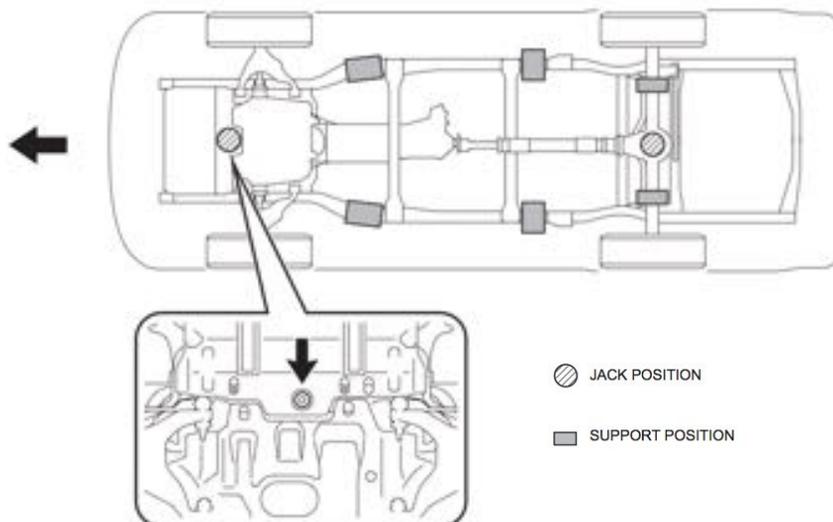


Figure 1



Caution:

It is extremely dangerous to perform any work on a vehicle raised on a jack alone, even for work that can be finished quickly. Jack stands must be used to support the vehicle.



Step 1

Place a floor jack under the center of the rear axle assembly and raise the rear of the vehicle. Place safety stands under a solid, horizontal part of the frame just ahead of the rear wheels. Then, carefully lower the vehicle.

Note: See **Figure 1** for correct jack and jack stand support positioning.



Step 2

Remove both Rear Tires.



Step 3

Support the center of the rear axle assembly with a floor jack (or an under-hoist safety stand) and raise the rear axle assembly slightly.



Step 4

Disconnect the sway bar from both sides of the rear axle assembly by removing the (4) 17 mm bolts (2 on each side).



Step 5

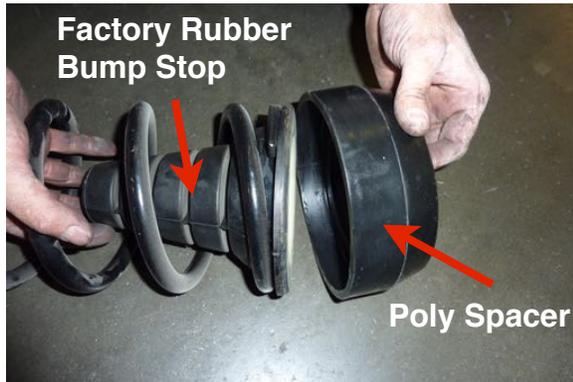
Remove the lower shock absorber mounting bolts on both rear shock absorbers using a 19 mm socket. Then disconnect the shock absorbers from the rear axle assembly as shown.



Step 6

Lower the axle by releasing the floor jack (or under-hoist jack stand) and carefully remove the coil springs one side at a time.

Note: Keep the factory rubber bump stops, located on top of the springs, together with the springs.



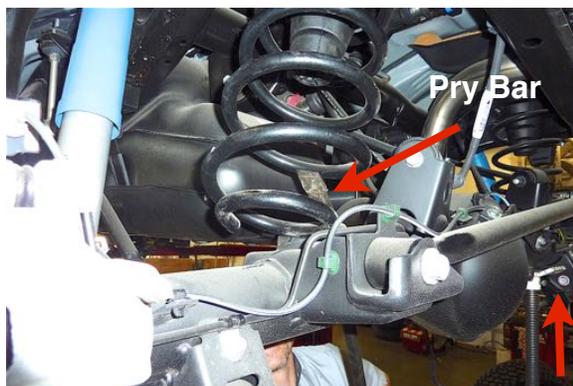
Step 7

Install the supplied poly spacers on the top of the factory rubber bump stops with the tapered side up.



Step 8

Install the coil springs back in their original position. Install the topside first.

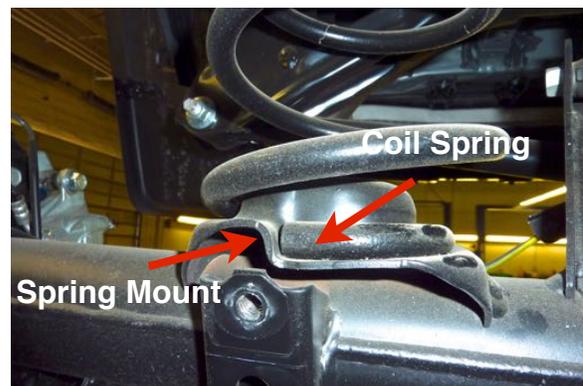


Lift Up Here

Step 9

Using a pry bar, pry the bottom of the spring back into its original location. Be careful not to damage ABS wires, or brake lines.

Note: We found it helpful to lift **UP** on the opposite end of the rear axle assembly with an under-hoist jack stand. A floor jack could be used for the same purpose.



Step 10

Be sure the bottom of the coil spring is seated in the spring mount as shown. If it is not seated properly, rotate the spring until it is.



Step 11

Using the floor jack (or under-hoist Jack stand), lift the rear axle assembly. Then reconnect both rear shock absorbers to the axle. Torque the bolts to 72 Ft. Lbs.



Step 12

With the rear axle assembly still lifted, reposition the sway bar and install the attaching bolts on both sides of the rear axle assembly. Torque the bolts to 22 ft-lbs.



Step 13

Using a pair of slip-joint pliers, bend the park brake cable brackets in-line with the cable.



Correct positioning of the park brake cable.

Step 14

Recheck all the work done on the rear suspension. Be sure all fasteners have been torqued to specification, and wiring, cables and hoses are properly routed and secured.



Step 15

Install the rear tires and torque to specification. Factory wheel lug nut torque is 83 ft. lbs.



Step 16

Using a floor jack, raise the rear of the vehicle by lifting on the center of the rear axle assembly. Remove the jack stands and lower the vehicle to the floor.

CAUTION: Vehicle alignment will NOT be accurate after this installation. Safe handling, braking, and tire tread life will be affected. We strongly recommend having your vehicle professionally aligned as soon as possible.

As always, If you experience any difficulty during the installation of this product please contact Low Range Off-Road Technical Support at 801-805-6644 M-F 8am-5pm MST. Thank you for purchasing from Low Range Off-Road.



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road products require specialized skills such as metal fabrication, welding and mechanical trouble shooting. If you have any questions or are unsure about how to proceed, please contact our shop at 801-805-6644 or seek help from a competent fabricator. Using fabrication tools such as welders, torches and grinders can cause serious bodily harm and death. Please operate equipment carefully and observe proper safety procedures.

Rock crawling and off-road driving are inherently dangerous activities. Some modifications will adversely affect the on-road handling characteristics of your vehicle. All products sold by Low Range Off-Road are sold for off road use only. Any other use or application is the responsibility of the purchaser and/or user. Some modifications and installation of certain aftermarket parts may under certain circumstances void your original dealer warranty. Modification of your vehicle may create dangerous conditions, which could cause roll-overs resulting in serious bodily injury or death. Buyers and users of these products hereby expressly assume all risks associated with any such modifications and use.

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