



J2203 Installation Instructions 2007-2014 Jeep JK 2" Coil Spacer Lift

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

» TECHNICAL SUPPORT

Live Chat provides instant communication with Zone tech support. Anyone can access live chat through a link on www.zoneoffroad.com.

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech@zoneoffroad.com detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

Difficulty Level

easy 1 (2) 3 4 5 difficult

Estimated installation: 2-3 hours

Tire/Wheel Fitment

33x12.50 tire/16x8, 4.5" BS wheel

» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

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Kit Contents

Qty	Part
2	Front Coil Spring Spacer
2	Rear Coil Spring Spacer
2	2" Bump Stop (frt)
2	2" Bump Stop (rear)
1	Bolt Pack - Bump Stops

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Disconnect the front track bar from the axle. Save mounting bolt. **Figure 1**



Figure 1 - LHD (Left Hand Drive) Shown

3. Raise the front of the vehicle and support the frame with jack stands behind the front lower control arm pockets.
4. Remove the wheels.
5. Support the front axle with a hydraulic jack. Remove the front shocks from the vehicle. Save lower mounting hardware.
6. Disconnect the sway bar links from the axle. Save hardware.
7. Disconnect the steering drag link from the pitman arm. Remove the tie rod end nut and dislodge the tie rod end from the pitman arm with the appropriate puller or pickle fork. Save tie rod end nut.
8. Lower the front axle and remove the coil springs from the vehicle.
9. Make a mark in the center of the lower coil spring mount pad. Drill a 3/8" hole at the mark **Figure 2**. This hole will be used to attach the provided bump stop extension to the axle after the coil spring is installed.

Step 8 Note

Take care not to over-extend the brake lines when removing and installing the coil springs.



Figure 2

10. Place a provided front round bump stop spacer inside one of the factory springs. Install the spring in the vehicle with a new spring spacer on the top of the spring. Make sure the spring is seated properly in the axle mount. The factory front upper spring isolator should be reinstalled with the spacer to net the full 2" of lift. The new spacer should be positioned between the factory isolator and the coil spring.
11. Attach the bump stop extension to the axle through the hole that was drilled earlier using a 3/8" x 3" bolt, nut and 3/8" washers. Torque bolt to approximately 30 ft-lbs. Repeat the spring spacer/bump stop installation of the other side of the vehicle.
12. Install the new shocks with the factory lower hardware and new upper bushings/hardware. Torque the lower bolt to 60 ft-lbs and the upper nut until the bushings begin to swell.
13. Reattach the drag link to the pitman arm with the factory tie rod end nut. Torque nut to 65 ft-lbs.
14. Reconnect the front sway bar links to the axle with the factory hardware. Torque bolts to 55 ft-lbs.
15. Install the wheels and torque lug nuts to manufacturer's specifications. Lower the front of the vehicle to the ground.
16. Reattach the front track bar to the axle with the factory hardware. Have an assistant turn the steering wheel to aid in aligning the track bar bolt. Torque the track bar bolt to 100 ft-lbs.

Step 11 Note

The hardware needed for the front and rear bump stop extension installations is located in hardware pack #751.

» REAR INSTALLATION

1. Block the front wheels for safety.
2. Disconnect the rear track bar from the frame. Save hardware. **Figure 3**



Figure 3 - LHD Shown

3. Raise the rear of the vehicle and support the frame with jack stands in front of the lower control arm mounts.
4. Remove the wheels.
5. Remove the shocks. Save the upper and lower mounting hardware.
6. Disconnect the sway bar links from the axle. Save hardware.
7. Disconnect brake line brackets from the frame, save bolts.
8. Lower the axle and remove the rear springs.

Step 8 Note

Take care not to over-extend the ABS brake lines when removing and installing the coil springs.

Step 9 Note

Reinstalling the factory rear spring isolator with the new spring spacer will ensure that 2" of lift will be added to the rear of the vehicle. If you wish to eliminate the factory suspension rake and have a more level stance front-to-rear the factory isolator can be left out. This will net approximately 1-1/4" of lift in the rear.

9. Install the new rear spring spacer on top of the coil spring followed by the factory upper spring isolator. Install the spring/spacer/isolator assembly in the vehicle. Raise the axle to slightly compress the spring.
10. Install the new shocks with the factory hardware. Tighten upper mounting hardware to 30 ft-lbs, and lower hardware to 55 ft-lbs.
11. Install the provided bump stop spacers on the axle using the existing holes in the axle bump stop pad. Fasten the bump stop to the axle with 5/16" x 7/8" bolts, nuts and 5/16" SAE washers. Torque bolts to 20 ft-lbs. **Figure 4**

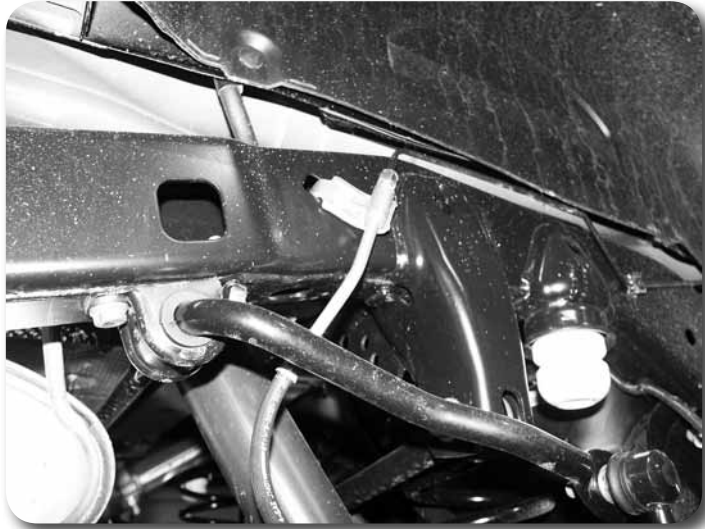


Figure 4

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

13. Reattach the sway bar links to the axle mounts with the factory hardware and torque to 55 ft-lbs.
14. Reattach the brake lines to the frame with the factory hardware. Tighten bolt securely.
15. Reinstall wheels and torque to factory specifications. Lower vehicle to ground.
16. Install trackbar into the factory frame bracket with the original hardware. Torque bolt to 110 ft-lbs.

»» POST-INSTALLATION

1. Double check all hardware for proper torque..
2. Check all fasteners after 500 miles and at regularly scheduled maintenance intervals.