



J5150, J5201, J5304 Installation Instructions Bump Stop Extension Kit

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.

» **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.

Difficulty Level

easy ① 2 3 4 5 difficult

Special Tools Required

Drill with 5/16" drill bit

Kit Contents

Qty	Part
2	Bolt-on Bump Stop Extension
1	Bolt Pack

PRE-INSTALLATION NOTES

1. This bump stop kit can be used for numerous applications. The following instructions will outline the main steps to the installation on the front axle of a Jeep JK, TJ, XJ or ZJ. Additional disassembly/assembly steps may be necessary depending on the vehicle and suspension setup.
2. The bump stop kits are available in 3 different heights. The installation procedures for each of these kits will be the same.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface. Block the rear wheels for safety.
2. Raise the front of the vehicle and support the frame rails with jack stands. Be sure the axle is hanging free.
3. Remove the front wheels.
4. Support the front axle with a hydraulic jack. Disconnect the front shocks from the axle mounts. Save hardware.
5. Lower the axle with the jack and remove the front coil springs.
6. Locate the center of the coil axle mount. Most applications will have an indentation in the middle of the mount.
7. After locating the center of the coil mount, drill a 5/16" hole. **Figure 1** Using the provided 3/8" x 1" self-tapping bolt, cut threads into each of the new holes. **Figure 2** Remove the 3/8" x 1" bolt.



Figure 1



Figure 2

8. Place one of the provided new bump stops into the coil spring and reinstall the spring on the vehicle. Rotate the coil so it seats properly in the coil axle mount.
 9. With the coil in place, position the new bump stop over the newly threaded hole and fasten with the supplied 3/8" standard thread bolt with a 3/8" USS washer.
- Figure 3 Tighten bolt to approximately 30 ft-lbs.

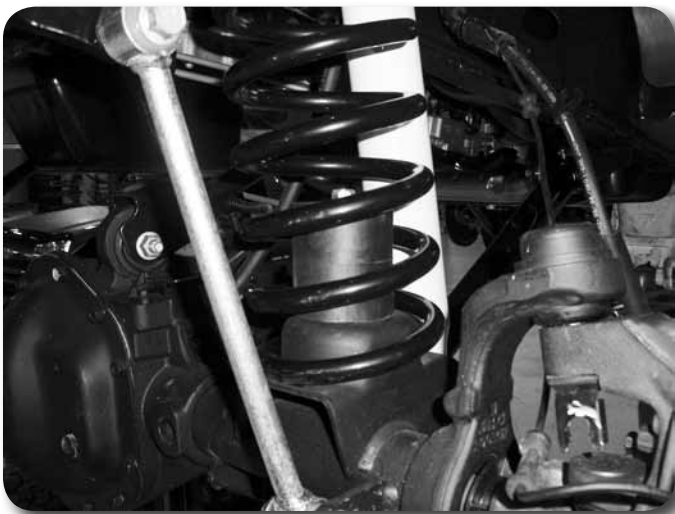


Figure 3

10. Reconnect the shocks and torque 8mm hardware to 15-18 ft-lbs.
11. Reinstall wheels and lower the vehicle to the ground. Torque lug nuts to the correct specs.