



#J5107
Jeep XJ
Rear 1" Lift Shackles

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: 1 hour

Special Tools Required

None

» 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.

Kit Contents

Qty	Part
2	Shackle
2	0.750 x 0.095 x 2.750 Sleeve
4	Bushing
2	Grease Fitting

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, level surface and block the front wheels for safety.
2. Raise the rear of the vehicle and support with jack stands under the frame rails.
3. Support the center of the axle with a hydraulic jack to remove pressure from the shackles. Remove the driver's and passenger's side shackles. Save hardware.
4. Locate the new extended shackles, shackle bushings, straight grease fittings and 0.750 x 0.095 x 2.750 sleeves. Install the grease fittings in the threaded holes in each the shackle eye. Lightly grease and install the bushings and sleeves in the shackles.
5. Locate the bumper bolt that is protruding into the shackle pocket. This bolt needs to either be trimmed off flush to the nut or removed. This will provided clearance for the shackle to travel its full range of motion (Figure 10).

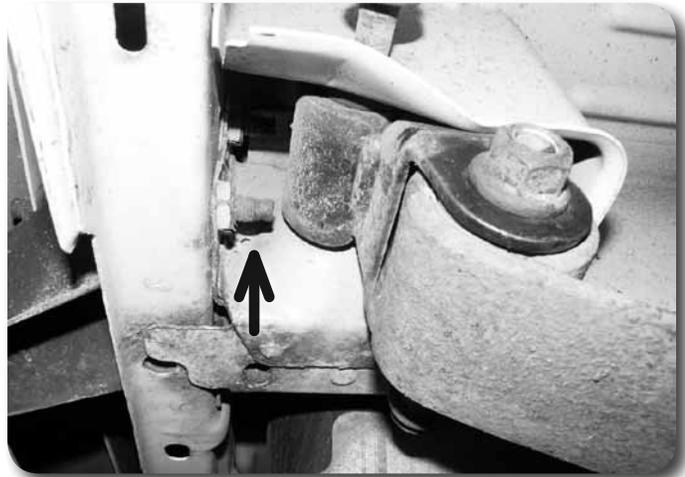


Figure 1

Note Step 6

When installing the shackles orient them so the grease fittings are toward the axle.

6. Loosely attach the new shackles to the frame with the factory bolts. Adjust the axle height with the jack to align the leaf springs with the shackles and loosely fasten with the factory bolt/nut.
7. Remove the jack stands and lower the vehicle to the ground. Bounce the rear of the vehicle to settle the suspension. Torque the upper and lower shackle bolts to 65 ft-lbs.
8. Grease the shackles. Inspect the hardware for proper torque and grease during regularly scheduled maintenance.