



Installation Instructions Shock Absorbers

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: 0.5 hours

» 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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Note

Black Nitro shocks are gas charged and will extend on their own.

White Hydraulic shocks are NOT gas charged and therefore will not extend on their own.

Warranty Note

Shock oil seals are subject to wear over time, and use, and are not covered under the warranty. However leaking shock seals that are less than one year from date of purchase, free from contamination, damage, or abnormal seal wear due to misuse can be considered for coverage under our warranty.

INSTALLATION INSTRUCTIONS

1. Park vehicle on a clean, flat, and level surface. Block the wheels for safety.
2. Remove old shocks from the vehicle. Note: if this installation is being performed on a hoist, or with the axle hanging, the axle must be well supported. Keep all spacers, washers, sleeves, and any other hardware that is removed.
3. If installing optional shock boots, do so at this time. Make sure the washer at the top is seated in the boot, use included zip tie to retain the bottom of the boot. If a bar pin has been installed from the factory, it may be necessary to push the bar pin to one side of the eye to allow the shock boot to slide over it.
4. Lightly grease and install bushings and sleeves or bar pins into the shocks. Match up the correct sleeve to the corresponding end of the shock. Some vehicles require different sleeves in each end of the shock. Additionally, some vehicles will require spacers to get the proper compression on the bushing. These are only needed when the sleeve is wider than the bushings. Note: To aid installation of bar pins, use lubrication and a vise to press the bushing and bar pin into the shock eye. Kit specific instructions will have better information on the spacing / placement of the shock bushings, sleeves, spacers, or bar pins.
5. When tightening a stem bushing assembly, tighten the nut until the bushings begin to expand. 3/8", 10mm, and 12mm stems will require a jam nut to secure the nut. Lock the jam nut off securely.
6. Tighten remaining hardware to OE specifications
7. Be sure to check clearance of the shock through full wheel travel to ensure there is no contact between the shock and any other part.
8. Recheck all fasteners after 500 miles of driving.

