

Coil Spring

Installation Instructions

READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

SAFETY WARNING

BDS Suspension Co. 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.

PRODUCT SAFETY WARNING

Certain BDS 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. BDS Suspension Co. 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 BDS Suspension components. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, BDS Suspension Co. 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.

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. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

INSTALLATION INSTRUCTIONS

1. Place floor jack under the outer ends of both axle halves and evenly raise the vehicle approximately one foot. Place floor jacks under the frame rails approximately 4" behind the radius arm brackets. Ease the vehicle down on to the stands. Continue to lower the vehicle until there is little pressure on the coil springs.
2. Remove the tires.
3. If replacement shocks will be installed, then remove the existing shocks. If the existing shocks are to be reused, then only unbolt the bottom of the shocks.
4. Perform the coil spring replacement one side at a time. **Warning: During the entire installation do not allow the brake line to be pulled taught.** Remove the lower retaining nut and washer. Ease the axle down and away from the coil.

MID SIZE- Unscrew the upper coil end to remove the coil.

FULL SIZE- Remove the upper coil spring retaining clip to remove the spring.

5. Install the BDS Coil. Be sure to center the spring before tightening the lower retaining washer/nut.

MID SIZE- The spring tower prongs will have to be re-formed around the top coil of the spring.

FULL SIZE- Replace the spring retaining clip.

6. Replace or rebolt the shock as necessary.
7. Repeat steps 2 through 6 on the opposite side of the vehicle.
8. Recheck every nut/bolt that has been touched for proper torque.
9. Install tires and lower vehicles to ground.
10. Adjust the headlights as needed.

