



## #D1251 Installation Instructions

1994-2001 Dodge 1500 4wd, 1994-2009 Dodge 2500/3500 4wd (incl 1500 MegaCab)

### 2.5" Front Spacer 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.

#### » TECHNICAL SUPPORT

*Live Chat* provides instant communication with Zone tech support. Anyone can access live chat through a link on [www.zoneoffroad.com](http://www.zoneoffroad.com).

[www.zoneoffroad.com](http://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](mailto:tech@zoneoffroad.com) detailing your issue for a quick response.

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

#### » 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

Estimated installation: 2-4 hours

#### Special Tools Required

None

#### Tire/Wheel Fitment

33" x 12.50" Tire

Factory wheel offset

## Kit Contents

Qty	Part
2	Coil Spring Spacer
1	Bolt Pack



## INSTALLATION INSTRUCTIONS

### Important—measure before starting!

Measure from the center of the wheel up to the bottom edge of the wheel opening

LF \_\_\_\_\_ RF \_\_\_\_\_

LR \_\_\_\_\_ RR \_\_\_\_\_

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle with a hydraulic jack and support with jack stands under the frame rails.
3. Remove the front wheels.
4. Disconnect the driver's and passenger's side sway bar links from the sway bar **Figure 1**. Save link hardware.

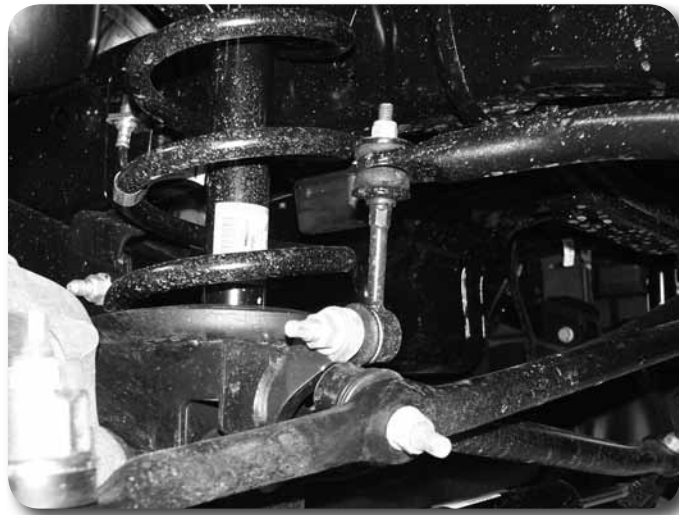


Figure 1

5. Support the front axle with a hydraulic jack. From under the hood, remove the upper shock stem hardware. Save hardware/bushings.
6. Locate and disconnect the factory shock towers from the coil mounts. **Figure 2** There are 3 nuts per side. Save the shock tower. The nuts will not be reused.



Figure 2

### Step 11 Note

For the best results and performance Zone recommends installing optional replacement shocks #Z4700.

### 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.

7. Locate the lower shock mount bolt at the axle. It is accessed through a hole in the front of the coil mount. Remove the bolt and pull the shock out through the top coil mount. Save shocks and hardware.
8. Lower the axle and remove the factory coil springs, upper rubber isolators and shock tower bolt rings. The coil springs and isolators will be reused, the bolt rings will not.
9. Reposition the factory rubber isolator on the coil spring followed by a new supplied coil spring spacer. The studs in the spacer will point up and correspond to the factory shock tower holes in the frame. The holes are equally spaced so the spacer orientation is not critical.
10. Install the coil spring, isolator and new spacer as one assembly into the vehicle. Position into the frame first. Have an assistant pull down on the axle to aid installation.
11. With the coils and spacers installed, install the shocks through the top coil mount and into the lower axle mount. Fasten to the axle with the original bolt. Torque lower shock bolt to 100 ft-lbs.
12. Install the factory shock tower on the studs of the new coil spacer. Fasten the tower with the provided 7/16" nylock nuts and washers. Torque nuts to 45 ft-lbs.
13. Attach the shock to the tower with the original hardware (or new provided hardware if installing optional replacement shocks). Torque upper shock nut to 40 ft-lbs.
14. Reattach the factory sway bar links to the sway bar with the original hardware. Torque the upper link nuts to 25 ft-lbs.
15. Install the wheels and lower the vehicle to the ground. Torque lug nuts to the proper spec (see owner's manual).
16. Check all hardware for proper torque. Check hardware after 500 miles.
17. The vehicle will need a complete front end alignment.