



## D1459 Installation Instructions 2014 Dodge 2500 Pickup 4.5" Rear Coil Spring 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

[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-zone@ridefox.com](mailto:tech-zone@ridefox.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 hours

#### Special Tools Required

1/2" Drill

#### Tire/Wheel Fitment

See front kit instructions

**\*Important\* Verify you have all of the kit components before beginning installation.**

### D1459 Kit Contents

<i>Qty</i>	<i>Part</i>
2	4.5" rear coil spring
1	Rear track bar bracket
2	Rear bump stop extension
2	Rear sway bar link
4	Sway bar link bushing
4	5/8x0.075x1.375 sleeve
1	1.00x0.120x2.125 sleeve
1	Bolt Pack
1	9/16"-12x4" bolt
2	9/16" SAE flat washer
1	9/16"-12 lock nut
1	3/8"-16x1-1/2" bolt
1	3/8" SAE flat washer
1	3/8"-16 serrated flank nut
1	7/16"-14x1-1/2" bolt
2	7/16" SAE flat washer
1	7/16"-14 lock nut
4	10mm-1.50x80mm bolt
4	10mm flat washer
4	12mm-1.75x65mm bolt
8	7/16" USS flat washer
4	12mm-1.75 lock nut

## INSTALLATION INSTRUCTIONS

1. Park vehicle on clean flat and level surface. Block front wheels for safety.
2. Disconnect the rear trackbar from the axle, retain all hardware. **Figure 1**



Figure 1

3. Raise rear of vehicle and support frame rails with jack stands.
4. Remove the rear wheels.
5. Support the rear axle with a hydraulic jack.
6. Disconnect the rear sway bar links from the frame and sway bar. **Figure 2**



Figure 2

### **Step 2 Note**

*You may need to detach the vent hose clip from the track bar bracket to prevent the nut tab from puncturing the vent hose.*

7. Disconnect the rear shocks and lower the axle, retain hardware. On the driver's side it is easiest to access the top hardware by cutting the inner fender well as shown. This trim procedure is not required but greatly aids in removal and installation of the shock. **Figure 3a, 3b**
8. Remove the rear coil springs and upper coil spring retainers.



Figure 3a



Figure 3b

9. Locate the holes in the rear lower coil mount. Clearance the rear most hole on the driver's side to 1/2" to accept larger hardware, the remaining 3 holes will accept 3/8" hardware. **Figure 4**

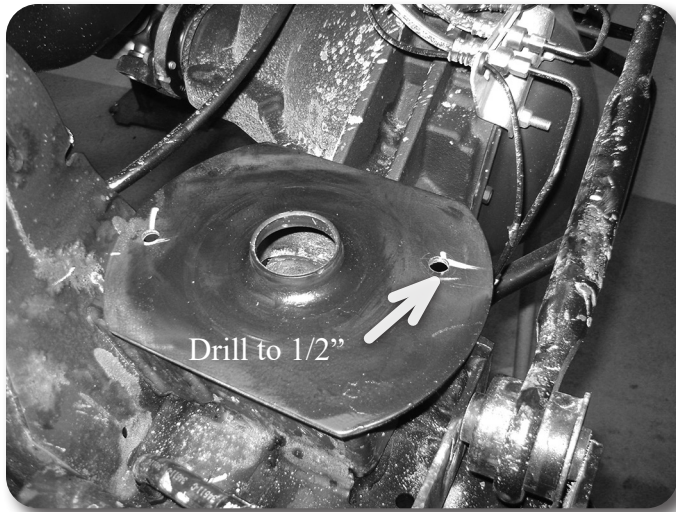


Figure 4

10. Install the trackbar bracket to the axle. Note: 4.5" rear kit will have a dual drilled trackbar - NOT SHOWN, hardware is located in bolt pack 674. First loosely attach the bracket using the 7/16" hardware through the lower coil mount. Next, place the 2-1/8" long sleeve (145) and place it inside the track bar bracket at the factory track bar bolt location using the factory track bar bolt and nut tab. Using the 3/8" x 1-1/2" bolt, washer, and flange nut attach the bracket through the bottom hole. Figure 5

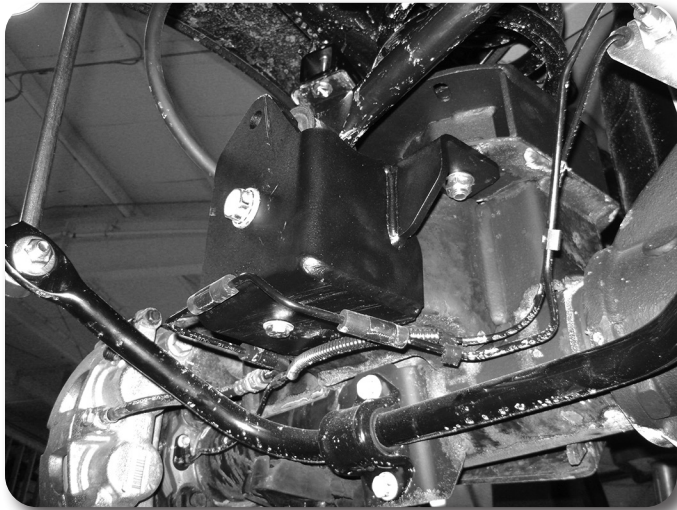


Figure 5 - Shown w/coil spacer installed (not included in 4.5" Kit)

11. Tighten trackbar bracket hardware as follows: 14mm factory hardware 95 ft-lbs, 7/16" hardware 45 ft-lbs, 3/8" hardware 35 ft-lbs,
12. Install new coil springs with OEM isolators. New coil springs will require the transfer of the plastic wrap from the factory coils to the new coils. The plastic spring wrap will eliminate any possible noise from the progressive coils. Raise axle and ensure that the isolators are centered over the factory mounts. Orientate the coils so that the lower locating tab is at the rear of the vehicle. This will give maximum clearance to the trackbar hardware. Figure 6





Figure 6

13. The rear shocks will require a stem eliminator bracket to be installed and tightened on the shock before installation. The hardware is in bolt pack 946 included in the shock box. **Figure 7**



Figure 7

14. Grease bushings and sleeves and install into sway bar links. Install sway bar links with new 12mm hardware. (BP 674). Tighten to 45 ft-lbs. **Figure 8**

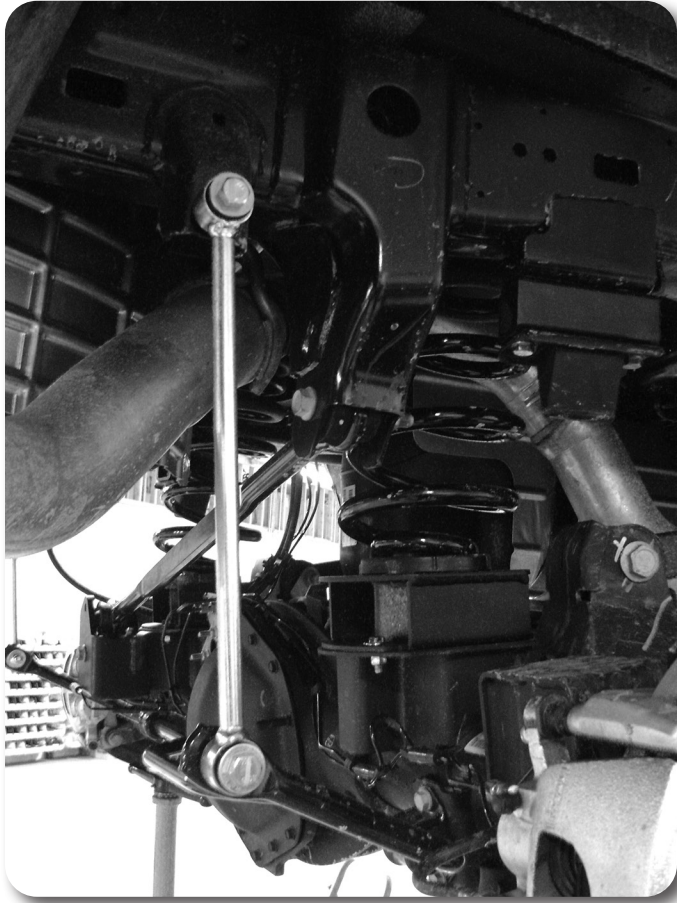


Figure 8

15. Remove the factory bump stops. Install bump stop drop brackets with new 10mm hardware (BP 674). Install so the small holes are to the inside. Tighten to 35 ft-lbs. Figure 9a, 9b

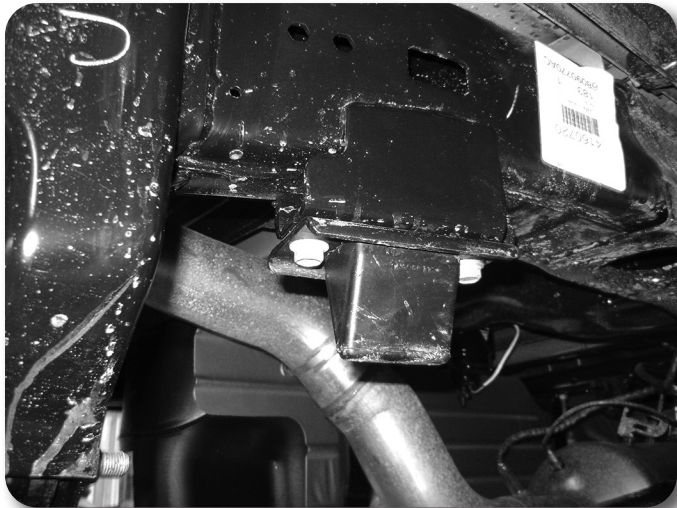


Figure 9a



Figure 9b

## 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.

16. Reinstall wheels, if installing aftermarket wheels it is recommended to remove all of the rotor retaining clips to allow the wheel to sit flush against the rotor. Tighten to factory specifications.
17. Lower vehicle to the ground.
18. Attach trackbar to the new bracket with 9/16" x 4" hardware (BP 674). It may be necessary to have an assistant push on one side of the truck slightly to get the holes aligned. Tighten to 95 ft-lbs. 4.5" rear kits with dual drilled trackbar will use the upper hole.
19. Recheck all hardware for proper torque, check again after 500 miles.