



## # F1101, F1201 Installation Instructions 2005-2012 Ford Super Duty 4WD 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.

#### **Difficulty Level**

easy (1) 2 3 4 5 difficult

Estimated installation: 2-3 hours

#### **Special Tools Required**

None

#### **Tire/Wheel Fitment**

1": 33x12.50 tire

2": 35x12.50 tire

17x9 wheel, 4.5" BS

#### » **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   | Coil Spring Spacer |
| 1   | Bolt Pack          |
| 1   | Loctite            |

## PRE-INSTALLATION INSTRUCTIONS

1. As a result of the location of the long radius arm suspension, support locations are limited. Use your best judgment while supporting the vehicle with sufficient strength stands at appropriate locations. The radius arm suspension will need to move freely during this installation.
2. This installation can be performed easiest by disconnecting the front track bar from the frame mount. *HOWEVER*, the track bar bolt at the frame requires 400 ft-lbs of torque to be reinstalled properly. If you **do not** have the means of producing this much torque to correctly tighten the track bar bolt then proceed without disconnecting the track bar. If you **do** have the proper tools to correctly retorque this bolt, remove the bolt before raising the vehicle.

## INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle and support under the frame rails with jack stands.
3. Remove the front wheels.
4. Support the front axle with a hydraulic jack. With the axle supported this installation can be performed on both sides at the same time.
5. Disconnect the sway bar links from the axle mounts. Retain hardware.
6. Remove the factory shock. Retain lower mounting hardware.
7. Remove the ABS line from the metal retaining tab on the radius arm (Fig 1). Pull the plastic retaining clip free from the radius arm (Fig 2).



Figure 1

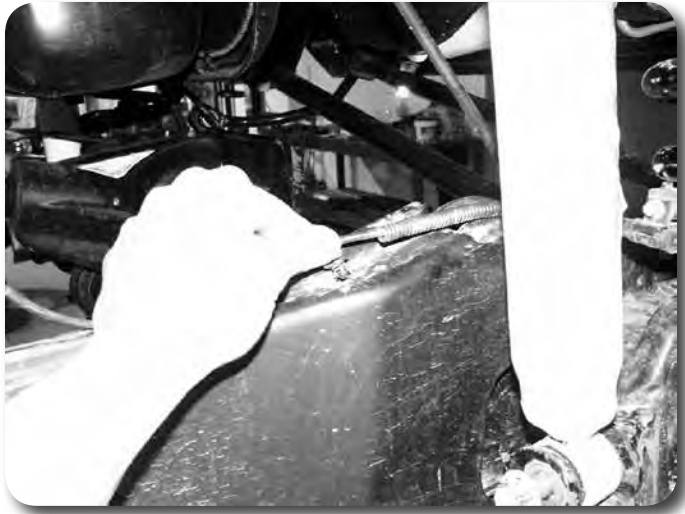


Figure 2

8. Remove the two bolts mounting the plastic ABS wire clips to the back side of the coil perch (Fig 3). Retain hardware.

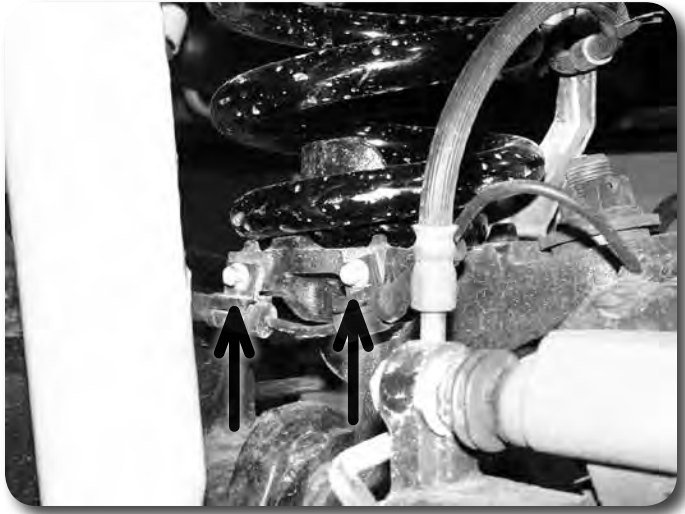


Figure 3

9. Disconnect the brake line bracket from the front of the coil perch (Fig 4). Retain hardware.



Figure 4

10. Free the hub vacuum line from the axle (Fig 5, 6).



Figure 5



Figure 6

### Step 11 Note

Take care not to over-extend the brake lines when lowering the axle.

11. Lower the axle until the spring is free and remove the spring from the vehicle.

12. Remove the bolt mounting the coil perch to the axle and remove the perch from the vehicle.
13. Apply thread locker to the supplied 14mm bolt. Install the factory coil perch in conjunction with the new spacer (Fig 7) on the axle. The chamfer in the block goes toward the outside and the upper tabs nest in the recesses in the coil perch. Fasten the assembly with the 14mm x 100mm bolt (14mm x 80mm for #J1101) and 9/16" SAE flat washer. Torque hardware to 95 ft-lbs.

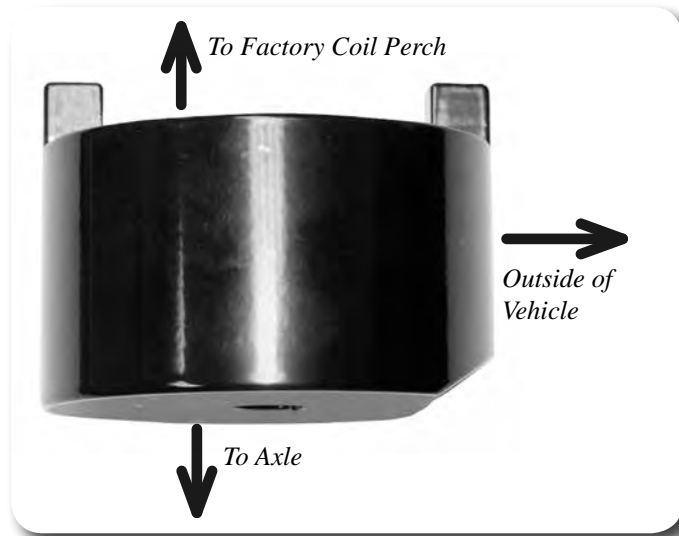


Figure 7

### Step 13 Note

The factory coil perch is labeled "FRT" for the front side. Make sure it is oriented properly when installed.

14. Reinstall the factory coil and index it correctly in the coil perch.
15. If installing new shocks, use the factory lower hardware and new provided upper hardware. If reinstalling the factory shocks use all the original hardware. Torque the lower bolt to 55 ft-lbs and tighten the upper hardware until the bushings begin to swell.
16. Reattach all brake, ABS and vacuum lines to the original locations with the factory mounting hardware.
17. Reattach the sway bar links to the axle with the factory hardware and tighten securely.
18. Install the wheels and lower the vehicle to the ground.
19. If the track bar was disconnected, reattach it now with the factory hardware. Have an assistant turn the steering wheel to aid in aligning the track bar in the bracket. Torque hardware to 400 ft-lbs.
20. Check all hardware for proper torque.
21. Adjust steering wheel.
22. Check hardware after 500 miles.

### Step 15 Note

The factory shocks can be used with the #F1101 1" leveling kit without any adverse effects. It is highly recommend that longer replacement shocks be installed with the #F1201 2" leveling kit.