#T1310 Installation Instructions
2007-2009 Toyota Tundra 4wd
3" Lift 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 .

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.

» 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: 1-2 hours

Special Tools Required

None

Tire/Wheel Fitment

Tire:

33x12.50

Wheel:

Stock Back Spacing

Kit Contents

Qty	Part
2	Strut Spacer
1	Bolt Pack
2	2" Lift Blocks
4	9/16" x 2-1/2" x 8-3/4" Square U-Bolts

Important—measure before starting!

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

LF_____ RF_____

LR_____ RR_____

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 with jack stands under the frame rails.
3. Remove the front wheels.
4. Disconnect the sway bar links from the lower control arms. Figure 1 Save hardware.

Figure 1

5. Mark the position of the lower control arm cam washers. Figure 2 These marks will be used for reference during assembly.

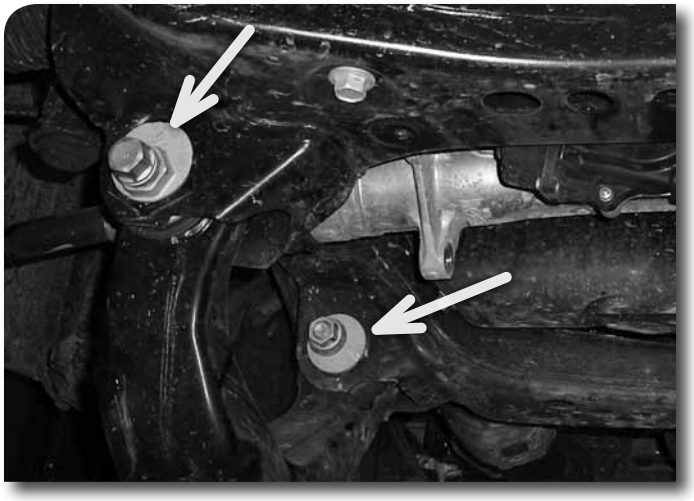

Figure 2

6. Loose the lower control arm cam bolts (2 per side).

Perform the following steps on one side at a time.

7. Support the lower control arm with a jack.
8. Remove the two lower bolts mounting the steering knuckle to the lower ball joint mount. Figure 3 Save bolts.

Figure 3

9. Remove the bolt mounting the strut to the lower control arm. Figure 1 Save hardware.
10. Lower the lower control arm away from the strut.
11. Locate and remove the 4 upper strut mounting bolts at the frame. Figure 4 Remove the strut from the vehicle. DO NOT remove the center strut rod nut. It is under extreme pressure.

Figure 4

12. Locate a provided new strut spacer. Note the 'OUT' marking on the strut spacer and match it up with the 'OUT' marking on the factory strut plate. **Figure 5** Install the new spacer on the factory strut mount studs and fasten with the original mount nuts. **Figure 6** Torque nuts to 30-35 ft-lbs.

Figure 5

Figure 6

13. Install the strut assembly in the vehicle by attaching to the frame mount first. Fasten the new mount to the frame with the provided 10mm hardware. Leave nuts loose.
14. Swing the lower control arm up to the strut and reattach in the original mount with the factory hardware. Leave hardware loose. The lower strut bolt will be tightened with the weight of the vehicle on the suspension.
15. Torque the new upper strut mount nuts to 35 ft-lbs.
16. Reattach the lower control arm to the steering knuckle with the original bolts. Apply Loctite to the bolt threads before installing. Torque bolts to 175 ft-lbs.
17. Repeat installation on the opposite side of the vehicle.
18. With both sides complete, reattach the sway bar links to the lower control arms with the factory hardware. Torque bolts to 90 ft-lbs.
19. Install the wheels and lower the vehicle to the ground. Torque lug nuts to 100 ft-lbs (aluminum wheels) or 150 ft-lbs (steel wheels).
20. With the weight of the vehicle on the suspension, torque the factory lower strut bolts to 140 ft-lbs.
21. Align the lower control arm cam bolt marks made earlier and torque the lower control arm bolts to 200 ft-lbs.
22. Check all hardware for proper torque. Recheck hardware after 500 miles.
23. The vehicle will need a complete front end alignment.

» Rear Installation Instructions

1. Park the vehicle on a clean, flat surface and block the front wheels for safety.
2. Raise the rear of the vehicle and support with jack stands under the frame rails, just ahead of the front leaf spring hangers.
3. Support the center of the axle with a hydraulic floor jack. Disconnect the rear shocks from the axle. Save hardware.
4. With the axle still supported, remove the passenger's side u-bolts. Discard the u-bolts and save the factory u-bolt plate.
5. Carefully lower the axle so there is just enough room between the axle and leaf spring to install the new 2" block.
6. Install the 2" tapered block so that the tall end is to the rear of the vehicle. Align the pin in the block with the hole in the axle.
7. Raise the axle/block up to the leaf spring while aligning the leaf pack center pin into the hole in the block. Fasten the assembly with the new provided u-bolts, nuts and washers and the factory u-bolt plate. Snug u-bolts. Final torque will be done with the weight of the vehicle on the suspension.
8. Repeat block installation on the driver's side of the vehicle.
9. When both sides are complete, reconnect the shocks to the axle mount with the original hardware. Torque hardware to 65 ft-lbs.
10. Reconnect any lines that were disconnected.
11. Lower the rear of the vehicle to the ground.
12. Torque the new u-bolts to 90 ft-lbs.
13. Check u-bolt torque after 500 miles.

Step 5 Note

Take care not to overextend any brake lines. Disconnect from the axle if necessary.

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.