



T1204, T1203 Installation Instructions **2024 Toyota Tacoma (Base Model - Struts)** **2024 Toyota Tacoma (TRD - Red Struts)** **2" Leveling Kit - 4wd**

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 may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to 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.

Difficulty Level

Easy 1 **2** 3 4 5 Difficult
Estimated installation: 2 - 4 hours

Special Tools Required

Strut Coil Spring Compressor

Tire/Wheel Fitment

No Trimming*

255/80 R17 Tire - OEM 17"

275/70 R17 Tire - OEM 17"

285/70 R17 Tire - OEM 17"

275/70 R17 Tire - 17x8.5

Minor Trimming**

285/70 R17 Tire - 17x8.5

275/70 R17 Tire - 17x9.0 w/ 6" BS

275/65 R80 Tire - 18x8.5 w/ 5.75"BS

285/65 R18 Tire - 18x8.5 w/ 5.75"BS

* Wheel and Tire combination were tested through normal driving conditions within alignment specs with no rubbing or trimming needed.

**Wheel and Tire combination was tested through normal driving conditions within alignment specs and some or all the following were required, removal of mud flap, fender liner being trimmed or fastened further back, body mount bump being cut off or ground down.

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Kit Contents

Qty	Part
2	Front Preload Spacer
2	Bump Stop Spacer - 7/8"

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

IMPORTANT

It is required that ride height measurements be taken before and after installation. Measure from the **WHEEL AXLE CENTER** up to the **FENDER LIP** of the wheel opening. Do this for all 4 wheels. Record measurements below.**

BEFORE:

LF _____ RF _____ LR _____ RR _____

AFTER:

LF _____ RF _____ LR _____ RR _____



****These ride heights will be required if you have any ride height concerns after installation. Please be prepared to provide these to Technical Support.**

PRE-INSTALLATION NOTES

1. This kit requires the use of a strut spring compressor.

» INSTALLATION INSTRUCTIONS

2. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
3. Raise the front of the vehicle and support with jack stands under the frame rails, behind the suspension.
4. Remove the front wheels.
5. Support the suspension assembly with a jack as shown in Figure 1.



Figure 1

6. Locate the lower alignment cam bolts. Figure 2, 3 Loosen the bolts (2 per arm - 4 total). This will allow the lower control arm to swing down and out of the way when the strut is disconnected.



Figure 2



Figure 3

7. Remove the 2 lower ball joint mount bolts from the steering knuckle. Figure 4 Save bolts.

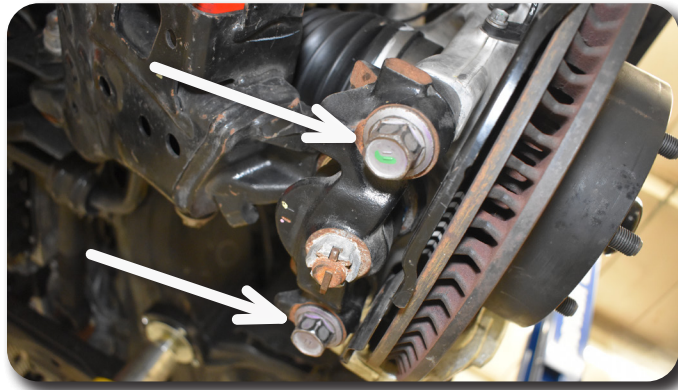


Figure 4

8. Remove the lower strut mount bolt at the lower control arm. Figure 5 Swing the lower control arm down and out of the way. Save hardware.



Figure 5

9. Locate the 4 upper strut mount nuts. Figure 6 Remove the nuts and remove the strut from the vehicle. Do not remove the center strut rod nut. It is under extreme pressure. Save nuts.



Figure 6

» PRE-LOAD SPACER INSTALLATION

10. Mark the strut body, coil spring, and upper mount for orientation when reassembling the strut. Use a strut spring compressor, compress the spring, remove the center nut, release pressure on the spring. **Figure 7**. Remove the cylinder assembly from the coil. **Figure 8**



Figure 7



Figure 8

11. For the Base model struts remove the center rod spacer by tapping off with a soft brass flat punch. Ensure the snap ring stays in place. **Figure 9, 10**



Figure 9



Figure 10

12. TRD Only: Heat the rod end to release thread locker. Figure 11



Figure 11

13. TRD Only: With rod end stud threadlocker loosened, remove the end from the rod. Figure 12



Figure 12

14. Remove the cylinder cap. Figure 13

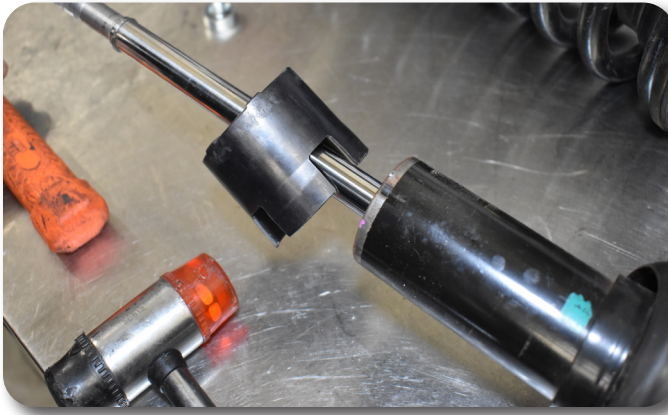


Figure 13

15. Remove the spring seat. Figure 14



Figure 14

16. Install the preload spacer. Figure 15

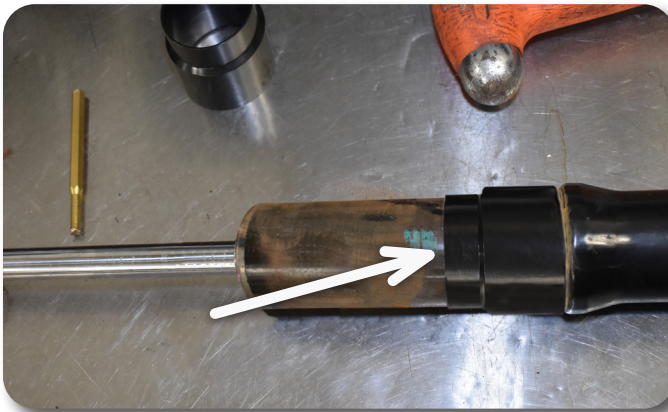


Figure 15

17. Install the spring seat Figure 16



Figure 16

18. Re-Install the cylinder cap. Figure 17



Figure 17

19. Install provided bump stop spacer. Figure 18



Figure 18

20. For the Base models only, re-install the end rod spacer. Tip: Use a socket to tap the spacer onto the rod. Figure 19A, 19B



Figure 19A



Figure 19B

21. TRD Only: Loctite and re-install the threaded rod end. Figure 20



Figure 20

22. Re-Install the Cylinder into the coil spring assembly. Figure 21



Figure 21

23. Line up the alignment marks made previously between the strut body, coil spring, and upper mount. Install the strut nut and tighten. **Figure 22**



Figure 22

24. Install the strut at the strut bucket using the OE nuts and washers. Leave hardware loose. **Figure 23**

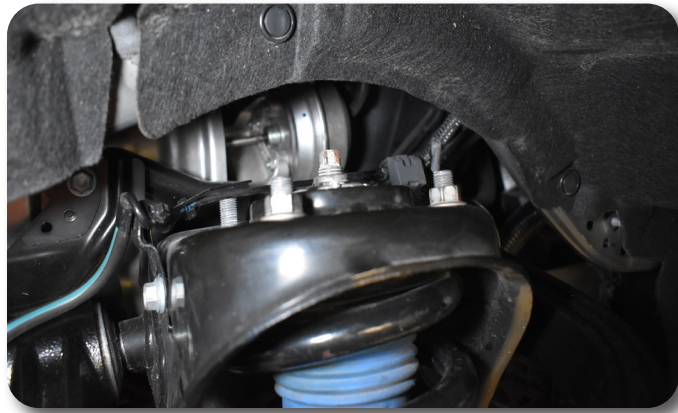


Figure 23

25. Swing the lower control arm up and fasten to the strut with the original factory hardware. Leave hardware loose. Torque to # **Figure 24**



Figure 24

26. Re attach Lower control arm to the knuckle ball joint attachment. Torque to #.
Figure 25



Figure 25

27. Tighten all hardware.
28. Repeat steps on other side of the vehicle.
29. With both sides assembled, install the wheels and lower the vehicle to the ground. Torque lug nuts to factory specifications.
30. A front end alignment is recommended.
31. Recheck hardware after 500 miles.

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 100 miles. Always inspect fasteners and components during routine servicing.