



T5302 Installation Instructions

2005-2023 Toyota Tacoma 4WD

2015-2023 Hilux 4WD

Upper Control Arm 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 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.

Difficulty Level

Easy 1 (2) 3 4 5

Estimated installation: 2-3 hours

Tire/Wheel Fitment

NA

»» 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.

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

Kit Contents

Qty	Part	Qty	Part
		1	Multi Purpose Grease, Packet, 1cc
1	Bolt Pack - ABS Mount Hardware	2	Ball Joint Cap O-Ring
2	Ball Joint Cap - Zone	1	UCA Assembly - Left
		1	UCA Assembly - Right

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. OE procedure for UCA bolt removal is to cut the bolt head off and replace the bolt. Alternatively the inner fender pinch weld can be bent outwards to clear the bolt head.
2. When re-installing the UCA bolt, install from back to front.
3. Not recommended for a standard 2wd truck. (5 Lug)
4. Medium-strength thread-lock blue loctite is recommended on all bolts.
5. Ball joint cap must be removed for maintenance of ball joint. Remove cap to access grease fitting. Grease at regular maintenance intervals.
6. Arms are designed to work with 2" of lift, and are not recommended for 0" of lift.
7. For replacement ball joints, order box kit ZONT8302 (1 ball joint per kit). Ball joint is not directional. For replacement bushings, use box kit ZONT7501 (2 total bushings per kit).

» DISASSEMBLY INSTRUCTIONS

1. Park vehicle on clean, flat, and level surface. Block the rear wheels for safety.
2. Raise the front of the vehicle and support frame rails with jack stands.
3. Remove the front wheels.
4. Disconnect the ABS wire from the upper control arm (Fig 1).



Figure 1

5. It is recommended to disconnect the brake line from the knuckle. Do not allow the brake line to hold the steering knuckle assembly in place. (Fig. 2)



Figure 2

6. Remove the inner fender splash guards using a trim tool. (Fig. 3, 4)



Figure 3

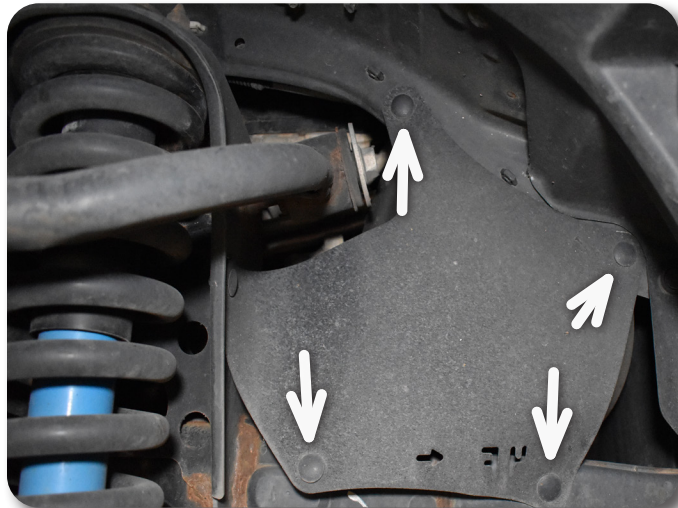


Figure 4

Step 7 Note:

It is recommended to support the suspension under the LCA using a jack.

Step 7 Note:

Use SST : 09628-62011 ball joint separation tool or equivalent to disconnect the UCA from the Knuckle.

7. Remove the ball joint cotter key by flipping down and pulling out. Remove the nut. (Fig. 6) Use SST : 09628-62011 ball joint separation tool or equivalent to disconnect the upper control arm and the knuckle.



Figure 5

8. The inner fender needs bent out to remove the UCA bolt. Remove the UCA bolt.
(Fig. 5)



Figure 6

9. Remove the UCA bolt, nut and washers and remove the UCA from the vehicle.
(Fig. 7, 8)



Figure 7



Figure 8

If installing with a suspension lift, it is recommended to install the strut / coilover at this time according to the manufacturers instructions.

Step 10 Note:

Install the bolt in the opposite direction for ease of installation.

» UCA INSTALLATION

10. Install new control arm with factory hardware. Snug, but do not torque at this time. (Fig. 9)



Figure 9

11. Attach to the steering knuckle at this time with new hardware. Tighten ball joint hardware to 81 ft-lbs. Install cotter pin, do not loosen the nut to install the cotter pin. (Fig. 10)

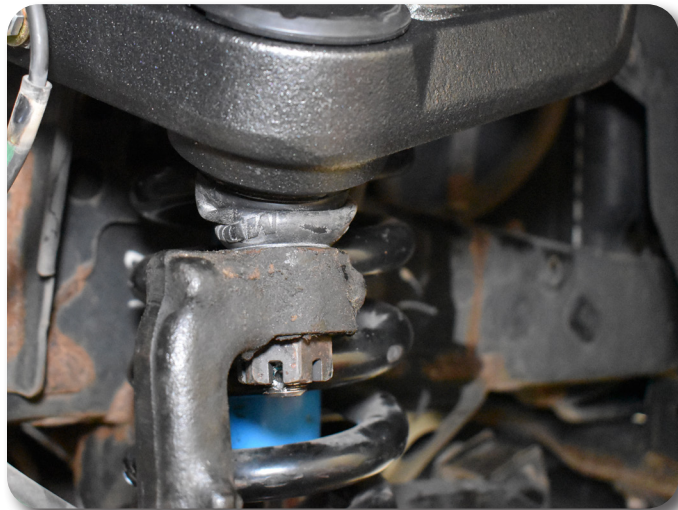


Figure 10

12. GREASE BALL JOINT at this time.
13. Install the provided ball joint cap o-ring. Grease lightly with provided grease and tap into place. (Fig. 11)

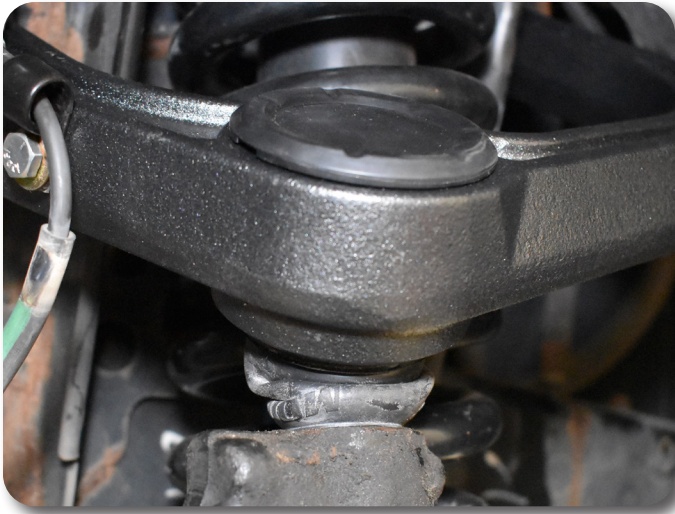


Figure 11

14. Remove the factory ABS mounting bracket from the ABS line. Attach the ABS wire to the control arm with the provided 1/4" hardware and loo clamp. Tighten to 15 ft-lbs. (Fig 12)

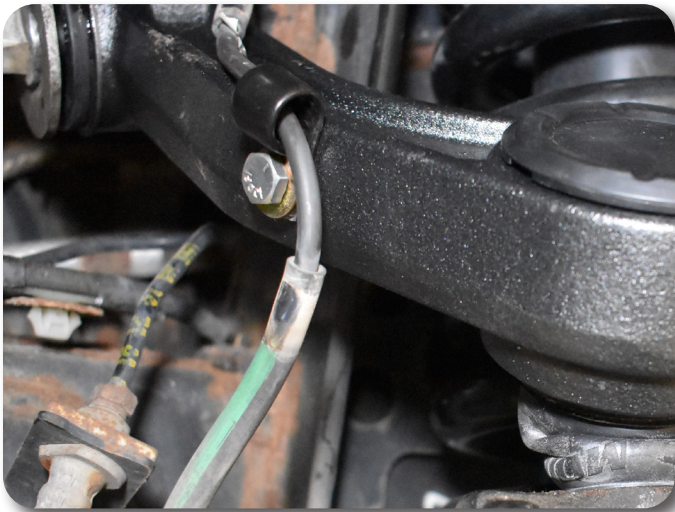


Figure 12

15. Repeat installation on the other side of the vehicle.
16. Re-install splash shields.
17. Re-connect brake line brackets to the knuckle.
18. With both sides assembled, install the wheels and lower the vehicle to the ground. Torque lug nuts to OE specifications.
19. Bounce the front of the vehicle to settle the suspension.
20. When vehicle is settled at ride height, torque the upper control arm hardware to 85 ft-lbs.
21. Arms give increased caster, a front end alignment is now required.
22. Recheck hardware after 500 miles of driving, grease ball joint by removing cap at 3,000 mile increments.

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.