



ULTIMATE/BOSS LIFT INSTALLATION INSTRUCTIONS

'10+ FJ, '10+ 4Runner

support@toyteclifts.com

Prior to installation, please read all install directions and paperwork provided.

ToyTec Lifts L.L.C. recommends that all components be installed by a certified automotive technician.

- ❖ Your ToyTec Lifts Coilover is factory pre-loaded to yield approximately 2.5" of lift.
- ❖ 4Runners equipped with KDSS suspension do not require sway bar relocation brackets or radiator support drop brackets.
- ❖ **NEVER EXCEED MORE THAN 3" OF TOTAL LIFT WITH YOUR NEW COILOVER; WE RECOMMEND BEFORE AND AFTER LIFT MEASUREMENTS.**

Coilover Installation:

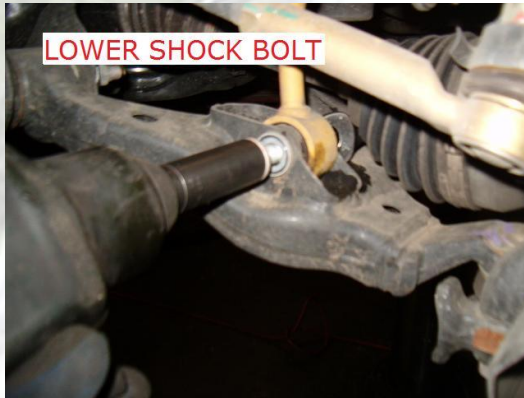
1. Park on a level concrete surface with the tires straight and steering wheel locked in the center position.
2. Take and record a measurement from the center of the front hub to the bottom of the fender. **Note where on the fender you measured to. You will use this later to determine final lift height.**
3. Block/chock the rear wheels, both in front and behind the tire to prevent vehicle movement.
4. Jack the front end up and secure the vehicle on suitable large jack stands from the frame on both sides.
5. Remove both front wheels/tires.
6. Remove the front skid plate from vehicle.
7. Remove the top sway bar links on both sides. Now loosen and remove the sway bar mounts from the frame. Remove the sway bar from the vehicle.

NOTE: MODELS WITH KDSS SUSPENSION DO NOT REMOVE SWAYBAR.

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8. Remove the lower shock nut and bolt.



9. Remove the 2 lower ball joint mount bolts and separate the ball joint from the spindle.



10. Remove the top three nuts holding the coilover to the shock tower.



11. Being careful not to overextend and pull apart the inner CV Axle joint, move the spindle/hub assembly out of the way so the coilover can be removed from the vehicle. Remove the coilover on both sides.



12. Position the new coilover onto the vehicle, sliding the top into the shock tower first. Install the top three nuts which hold the coilover to the shock tower finger tight. Install the lower shock bolt and nut. **You may need to pry down on the upper control arm in order to get the lower shock bolt installed.** Torque upper nuts and lower bolt/nut to manufacture specs.



13. Using the factory hardware, install the sway bar relocation block(s) to the frame and tighten the bolts. With the supplied bolts and washers, reinstall the sway bar to the new blocks. Reinstall the upper sway bar links and tighten all bolts/nuts to manufacturer specs.

NOTE: MODELS WITH KDSS SUSPENSION WILL SKIP THIS STEP.



14. Reinstall the lower ball joint bolts, wheels/tires, and the skid plate. Torque all bolts/nuts to manufacturer specs.

15. Drive the vehicle around the block to settle the suspension. Park on level ground with tires straight and the steering wheel locked in the center position. Take another measurement (**step # 2**) to determine how much lift you achieved from the factory pre-load. Adjust as needed to gain the final lift height .
16. **Recheck the torque of all bolts/nuts which have been taken apart during the installation of this lift after 15 miles, and periodically thereafter.**
17. 2010 and up FJ/4Runner Radiator support kit RSDK-1
18. This kit was designed to eliminate interference between the front sway bar and the radiator support brackets that were added to the FJ in 2010. The spacers are installed with supplied longer bolts and washers as pictured to provide the needed clearance after the sway bar relocates are installed. This kit eliminates the need for the skid plate spacers included in the diff drop and allows the skid plate to be removed and replaced without having to deal with the 4 small spacers every time.



Coilover adjustment after installation:

- ❖ ¼" thread change on the coilover will yield approximately ½" of lift. Your results may vary depending on model of Toyota and any additional weight you may have on your vehicle.
- ❖ **NEVER EXCEED MORE THAN 3" OF TOTAL LIFT WITH YOUR NEW COILOVER.**

1. Repeat steps #1 through #5 as described on page #1.
2. Spray the adjustment collar and the threads on the coilover body with WD-40. This will help the collar move more freely.
3. Ultimate Kit - Holding the bottom spanner wrench stationary so it can't move, adjust the upper collar either up or down to gain desired lift height. **Looking down the coilover body, turn the upper collar clockwise to lower or counter clockwise to raise your vehicle.**

BOSS Kit – Move the lower ring away from the upper adjustment ring. Adjust the upper collar either up or down to gain desired lift height. **Looking down the coilover body, turn the upper collar clockwise to lower or counter clockwise to raise your vehicle.**

If you are unable to turn the upper adjustment collar, a helper bar/pipe can be slipped over the end of the spanner wrench to gain more leverage.

4. Replace tires and torque lug nuts to spec.
5. Drive the vehicle to settle the suspension and re-measure to determine height.

A front end alignment must be performed after final ride height is reached.

REAR COIL INSTALLATION

'07+ FJ CRUISER, '90+ 4RUNNER

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Read all of the installation instructions prior to ToyTec Lifts Coil Over installation.

ToyTec Lifts L.L.C. recommends that this be installed by a certified auto technician

1. Park the vehicle on a level concrete surface with the steering wheel centered.
2. Block/ chock the front wheels to prevent vehicle movement.
3. Jack the rear end and place jack stands under the frame allowing the rear suspension to move up and down freely.
4. Remove the lower shock bolts, while supporting the axle with a jack. If new shocks are being installed remove old shocks completely. Then lower the jack allowing the axle to drop down as far as needed to relieve pressure on the coil springs for removal.

5. Disconnect the sway bar from the front of the rear axle, or from the end links.
6. Remove the coil springs and the rubber bump stops. You may need to pry with a pry bar to get the springs out. Some models do not have the rubber bump stops inside the coil springs.

NOTE: The rubber bump stops that goes inside the coil springs (if equipped) is reused with the new rear springs or spacers.

7. Install the new springs, or the spring and spacer onto the axle. The use of small coil spring compressor will help with the installation.

NOTE: IF COIL SPRINGS ARE MARKED WITH AN A OR B, A IS DRIVER SIDE AND B IS PASSENGER SIDE.

SPACERS: The spacer goes above the coil spring.

8. Jack up the axle while watching the springs and spacers making sure that everything is properly aligned.
9. Bolt on new shocks or stock shocks. Make sure to center the shock stud through the frame, and tighten until there are at least three threads showing above the nut. Shocks should feel tight.
10. Reconnect the sway bar.
11. Re-install the wheels.
12. Remove the jack stands and lower the vehicle. Recheck all the bolts and nuts; make sure that all bolts and nuts are properly torqued to specs.