

INSTALLATION INSTRUCTIONS FRONT LEVELING SYSTEM FOR THE 6-LUG SUSPENSION TOYOTA TACOMA 2005-Present

IMPORTANT NOTES:

Please read before beginning installation. OEM Manual should be used as a reference. It is highly recommended that a certified mechanic perform this installation. Read and understand all the instructions before beginning installation. Use Locktite® on all bolts associated with this installation.

Torque Specifications (ft-lbs): Strut Mount/Assembly Upper Nuts (3 nuts) 47 Shock Absorber-to-Lower Control Arm Nut/Bolt 101 Lower Ball Joint Mounting bolt43 Sway Bar-to-Upper Link Nut..... 22 Sway Bar-to-Lower Link Nut..... 51 Sway Bar Bushing Bracket Bolt19 Tie Rod End-to-Steering Knuckle ballstud nut 53 Strut Bar-to-Frame nut/bolt221 Strut Bar-to Lower Control Arm 111 Wheel Lug Nuts83 *If you desire to return the vehicle to stock, make sure to save all the stock components.

WARNING: IT IS HIGHLY RECOMMENDED THAT A CERTIFIED MECHANIC PERFORM THIS INSTALLATION.

IMPORTANT CUSTOMER INFORMATION:

This vehicle's reaction and handling characteristics may differ from that of standard cars and/or trucks. Modifications to improve off road performance may raise the vehicle's intended center of gravity. Extreme caution must be utilized when encountering driving conditions that may cause vehicle imbalance or loss of control. **DRIVE SAFELY!** Avoid abrupt maneuvers, such as sharp turns, which could cause a roll over, resulting in serious injury or death. It is the customer's responsibility to make sure a re-torque is performed on all hardware associated with this suspension system after the first 100 miles. It is also the customer's responsibility to do a complete re-torque after every 1000 miles or after every off road use. After the original installation, it is recommended to have the alignment checked by a certified alignment technician that is experienced with lifted vehicles. Also the alignment should be checked every 6 months to ensure proper tracking, proper wear on tires and front-end components. The responsibility for abuse, improper installation, or improper suspension maintenance is solely that of the customer.

NOTICE: It is the responsibility of the customer or the mechanic to wear safety glasses at all times when working with air tools.

Please follow all the instructions carefully.

Before installation begins, drive the vehicle and inspect it to make sure that there are not any uncommon sounds or frame damage.

Front End Installation:

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the frame with jack stands. Place jack stands on both the driver and the passenger sides of the vehicle. Next remove the wheels from both sides.



2. Using a 17mm ratchet, remove the nut from the bolt connecting the front sway bar link and the steering knuckle on both sides of the vehicle. **HINT:** If the ball joint turns together with the nut, use a 6 mm hex wrench to hold the stud.

3. Using a 14 mm ratchet, remove the bolts from the brackets that are holding the sway bar to the frame on both sides of the vehicle.



4. Detach all brake hose brackets from the steering knuckle and upper control arm. On vehicles with ABS, remove the front wheel speed sensor-retaining bolt and detach the sensor from the steering knuckle.

5. Let the sway bar swing down out of the way. Failure to do this will prevent the removal of the strut assembly.

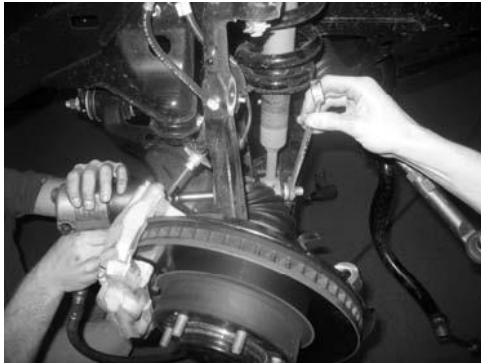


6. Using a 19 mm ratchet, remove the lower two ball joint bolts.



7. Remove the three upper strut mounting bolts with a 14 mm ratchet.

8. Next remove the strut's lower mounting bolt with a 19 mm ratchet and wrench.



9. Remove the strut assembly from the vehicle.



10. Place coilover back into upper strut mount. Tighten provided nuts snug with wrench or ratchet (after install, you will torque to OEM specs).

11. Use a pry bar to position the lower control arm and the strut mount, and then reinstall the mounting bolt. Torque to OEM specs.



12. Place a jack under the lower control arm. Raise the lower control arm to reattach the lower ball joint bolts. Torque the ball joint nuts to OEM specs.

13. Repeat on opposite side.

14. Reattach the front sway bar and sway bar link assembly on both sides of the vehicle. Torque to OEM specs.

15. Reattach the ABS line brackets and sensors. Torque to OEM specs.

16. Reattach the wheel. Torque to OEM specs.

17. Lower vehicle to ground and torque strut mounts to OEM specs.

18. Align the vehicle. A certified alignment technician that is experienced with lifted vehicles is recommended to perform the alignment.

Note: Coil measurements from the bottom of the adjuster sleeve to the bottom of the coil seat is set at 1.5" for 3" of lift on most vehicles. Engine size and cab size play a factor in the amount of lift height. The adjustment ratio is 2:1.

Thank You for choosing Fat Bob's Garage lift kits.

IMPORTANT: The net amount of ride height increase depends upon the age and use of the vehicle, wheel offset, and numerous other factors.

READ ALL THE INSTRUCTIONS BEFORE BEGINING THE INSTALLATION: Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. If anything is missing, do not proceed with the installation, call customer service to obtain needed items.

WARNING: Do not install this kit without the proper tools or on a flat surface. Vehicle may be too heavy for discount jack and small jack stands (verify rating). Even slightly sloped driveways are too dangerous to attempt installation on vehicles.

BEFORE YOU INSTALL: Make sure you have all the recommended tools, a flat work area and adequate lighting. Resist the urge to use tools that aren't up to the task.

NOTE: Various types of tools are available, however, due to the extreme loads present in four-wheel drive suspension systems, we have found the two-jaw style tool that clamps to the crossmember tends to slip and damage the crossmember. A C-clamp style tool is preferred and available through tool companies such as OTC and Kent Moore.

We recommend a certified technician install this system. In addition to these instruction, professional knowledge of disassemble/reassembly procedures as well as post instructions checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating of the vehicle.

NOTE: Thread locker should be used on all fasteners without a locking feature.

Product Use Information

A general rule, the taller a vehicle is the easier it will roll. We strongly recommend, because of rollover possibility, that seat belts and shoulder harness be worn at all times. Avoid situations where a side rollover may occur.

Braking performance and capabilities are decreased when significantly large/heavier tires and wheels are used. Take this into consideration while driving, also, speedometer recalibration is necessary when larger tires are installed.

Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lift voids all warranties. Manufacturer makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any products that is altered.

Notice to Dealer and Vehicle Owner

Any vehicle equipped with any Aftermarket Product installed may have unique handling characteristics. Vehicle should have a "Warning to Driver" decal installed on the inside the windshield or on the dashboard to remind the vehicle operator of the unique handling characteristics.

INSTALLING DEALER: It is your responsibility to install a warning decal and forward these instructions on to the vehicle owner for review and to be kept in the vehicle for service life.

Post Installation:

1. Fastener torque: 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, tire sidewalls, fuel lines, fuel tank, floorboards and wiring harness. Check steering gear for clearance. Test and inspect brake system. Mark all fasteners using a paint pen or permanent marker by putting a stripe across the fastener head down to and on the adjacent mounting surface providing a visual que to fastener movement.

2. Head lights: Perform head light check and adjustment.

3. Inspection and Re-torque: Re-torque all fasteners after 500 miles and then every 1000 miles. All components must be Inspected by a qualified professional mechanic at least every 3000 miles.

4. Test Drive: Lifted and leveled vehicles have a higher center of gravity. While these kits allow the installation of larger wheels and tires your vehicle will ride and drive differently. Please take time to adjust to the new vehicle ride and handling. Check all work after the test drive and as a part of regular maintenance.

CA Residents: WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov