



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.

Required Tools

✓	Qty	Tool
	1	Floor Jack
	2	Jack stands
	1ea	19, 22, 14 mm Socket
	1	17 mm Wrench
	1	Hammer
	1	Torque Wrench
	1	Safety Glasses

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.

Required Misc. Items

✓	Item
	OE Service Manual
	Grease
	Thread Locker (red)
	Paint Pen or White Permanent Marker

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. The 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.

Nissan 2005-19 Frontier Vated Coilover kit

1. Chock the rear wheels. Jack up the front of the vehicle using a floor jack and place jack stands under the frame rails. Lower onto jack stands.
2. Remove the front wheels/tires.
3. Remove the upper ball joint cotter pin and the upper ball joint nut using a 22mm wrench. Hit knuckle as shown to release the upper ball joint, See PHOTO 1 & 2.
4. Remove the 3 upper strut bolts that secure the strut to the upper mount using a 19mm wrench as shown in PHOTO 3. Retain the hardware for reuse.



5. Remove the sway bar from the sway bar link using a 17mm wrench.
6. Remove the lower strut bolt from the strut using a 19mm wrench.
7. Remove the strut from the vehicle.
8. Install the new strut assembly with factory hardware and using a 14mm socket.
9. Install the strut and spacer assembly in the upper strut mount and secure with supplied 10mm nuts, lock washers and flat washers. Tighten with a 17mm wrench.
10. Reinstall the lower strut bolt using a 19mm wrench as removed in step 6.
11. Reinstall the sway bar on the sway bar links using a 17mm wrench.
12. Sit the vehicle on the ground. Tighten the lower control arm mount using a 19mm wrench or socket

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 cue 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