



ReadyLift® (Part# 69-4510) Lift Kit, Installation Instructions

2005-2009 Nissan Frontier 4wd/2wd

SAFETY WARNING: ReadyLift Suspension Inc. 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.

PRODUCT SAFETY WARNING: Modifying your vehicle ride height 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. ReadyLift Suspension Inc. 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.

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 ReadyLift Suspension Inc. components. **Always wear safety glasses** when using power tools.
6. If installation is to be performed without a hoist, ReadyLift aSuspension Inc. 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.

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. Headlight adjustment is highly recommended.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

ReadyLift Suspension Inc.

3201 W MacArthur Blvd, Santa Ana, CA, 92704

Toll Free (888) 922-2294 Local (714) 862-2968 Fax (714) 862-2972



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**Please read instructions thoroughly and completely before beginning installation.
Installation by a trained mechanic is recommended.**

Check www.readylift.com for any updated installation instructions.

Position truck on a flat surface and lift vehicle by the frame until the front wheels are off the ground using a floor jack and support the frame with jack stands or a (2) two post lift if available.

1.

Remove front wheels.



2.

Disconnect lower sway bar end link on both sides.

Remove lower shock mounting nut and bolt.

Unbolt 12mm ABS line retaining bracket from spindle.

Remove and discard ball joint cotter pin.

Unbolt upper ball joint from spindle.

Remove the upper strut mounting nuts and remove strut from truck.



3.

Using an existing hole on the upper control arm, drill a 5/16 hole on the bottom side.

Install bump stop as shown.



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4. Install ReadyLift® strut extension.

Reinstall strut into factory location, place a jack under the lower control and raise it to so that you can reconnect the upper ball joint.

Reverse steps 1 & 2, be sure torque all fasteners to factory specs. Install new cotter pin.
Repeat steps 1-4 on opposite side.



5. Rear Shackle Installation.

Lower and remove the spare tire.

Raise vehicle by the differential using a floor jack and support the frame using 3 Ton jack stands. Be sure to block the front wheels to prevent a rollout. The suspension needs to be at full droop when on the jack stands.

Remove the two 17mm nuts and side plate.

Remove the shackle.

Using a floor jack (a 12" jack extension or block of wood may be necessary), raise the back of the truck by the rear bumper until there is enough room to install the new ReadyLift® shackle.

*Please note that the straight plate of the shackle mounts to the outside of the frame and the bent plate goes to the inside of the frame.

The order of install is:

Bolt > washer > bent plate > shackle and straight plate > washer > nylon locking nut.

Torque to 70ft/lbs.

Repeat on opposite side.



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Camber Bolt Installation.

Have your alignment technician install the ReadyLift® camber bolt kit when aligning the vehicle.

Alignment Specifications:

Caster Left	2.0	Camber Left	0.5	Toe Left	1/32"
Caster Right	2.0	Camber Right	0.7	Toe Right	1/32"

Max Tire size: 285/75R16 on the stock wheel. Minor trimming may be necessary.



Wheel Alignment; a Certified Alignment Technician that is experienced with lifted vehicles is recommended to perform the alignment.

*It is recommended that you have your vehicle's alignment checked whenever installing new tires.



Warning!

This ReadyLift® Leveling Kit is designed and engineered to level out a stock vehicle with no prior modifications. The use of this kit along with items such as rear lift blocks or spacers, add a leafs, airbags, suspension lifts, body lifts or any other type of lifting accessory shall be done at the vehicles owners risk and may void any and all warranties in effect or implied by Ready-Lift®.

Vehicle Handling Warning

Vehicles with larger wheels and tires will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle. DRIVE SAFELY and WEAR YOUR SEATBELT

Installation Warning

Always wear proper safety equipment and use the correct tools when installing any suspension upgrade. Make sure vehicle is on a flat surface and you are using jack stands or a lift rated for the weight of the vehicle.

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