

READYLIFT®

SUSPENSION INC.

ReadyLift® (Part# 69-3015) Installation Instructions 2007-2009 GM SUV 1500 6-Lug New Body Style 2wd & 4wd Tahoe, Suburban, Avalanche, Yukon, Yukon XL

Please read instructions thoroughly and completely before beginning installation.
Check www.Readylift.com for any installation instruction updates
Installation by a trained mechanic is recommended.

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 Suspension 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.

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1. Step one in the installation of the 69-3085 kit is to remove the factory skid plate. The skid plate should be removed before attempting to jack up the vehicle so that you don't risk trying to jack the truck up without having a good bite with the jack pad.



2. With the vehicle on level ground, set the emergency brake and block the rear tires. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front wheels.



3. Starting on the passenger side, disconnect the wheel speed sensor cable from its containment clips found on the control arm and spindle.



4. A 10mm socket is used to remove the brake line bracket that attaches to the upper control arm.



5. An 18mm socket is used to loosen the upper ball joint nut. The nut should remain on the ball joint stem.



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6. Using a small hammer tap the top of the spindle to release the ball joint seating. By leaving the nut attached to the ball joint, the spindle is restricted from falling off the ball joint when you are not prepared for it.



7. A 15mm socket and wrench are used to remove the sway bar end link assembly to free up the lower control arm.



8 & 9. A 15mm socket is used to remove both lower strut mount bolts. Be sure to support the lower control arm before remove the bolts.



10. Remove the three upper strut nuts that secure the strut to the frame housing.



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11. To remove the strut, lower it down through the control arm, then upwards and out over the spindle.



12. Install the new ReadyLift® strut extension spacer onto the top of the factory strut. Unlike some kits, you don't need to cut the studs off or swap the struts from side to side. The ReadyLift aluminum spacer is designed to provide the necessary lift while retaining the use of the factory strut studs. This is a great advantage should you ever want to return the vehicle to stock such as with a lease vehicle.



13. Carefully install the strut with the ReadyLift spacer on top into the upper frame pocket. Secure the strut with the provided new nuts. Leave the nuts only hand tight so the bottom of the strut can be adjusted when the lower control arm is raised up.



14. Place a jack under the lower control arm and raise it up. Then place the new ReadyLift lower strut mount spacer over the factory control arm holes as shown.

15. Position the strut and nut clips over the spacer and install the factory bolts to permanently secure the assembly.



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16. Once the lower strut mount is secured, return to the upper strut studs and permanently tighten all three nuts.



17. Reinstall the sway bar end link assembly. You will only be able to install the nut onto the end link bolt. You will have to tighten it once the spindle has been re-attached to the ball joint and control arm.



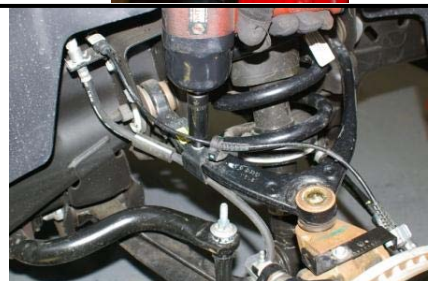
18. Using a pry bar inserted through the coil spring and over the upper control arm, pry downward to force the control arm down and the ball joint stem into the spindle. Install the factory nut and tighten.



19. Return to the sway bar end link assembly and permanently tighten.



20. Re-attach the brake line bracket to the control arm and insert the wheel speed sensor cable into each of the factory harness clips. Repeat steps 3-20 on driver side. Make sure all hardware is tight and torqued to factory specs. Install the front wheels and torque the lugs to factory specs. Lower the vehicle and install the skid plate.



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1.

Remove the rear wheels. Unhook the ABS line located at the upper trailing arm mount on both sides.



2.

Unhook the ABS line at the frame on the both sides.



3.

For vehicles with Autoride, use a flat screw driver and pry the linkage off the upper trailing arm.



4.

Using a 13mm socket, remove the brake line support bracket bolt.



5.

Remove the hard brake line support bracket bolt located next to the lower track bar mount on the driver side.



6.

Unbolt the passenger side hard brake line support bracket bolt.

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7.

Remove the 13mm emergency brake line support bracket on the passenger side frame rail.



8.

Use a jack to support the axle, this will allow you to lower and raise the axle as you need during installation. Unbolt the lower sway bar end link on both sides with a 17mm wrench.



9.

Remove the 21mm lower shock mount bolt on both sides.



10.

Slowly lower the axle and remove the rear coils and isolator pads. Place the ReadyLift 1.5" spacer on top of the axle



11.

Install the coil isolator pad on the ReadyLift coil spacer



12.

Reinstall the coils. Reverse steps 1-9 for reassembly.

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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 suspension parts.



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.

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.

DRIVE SAFELY & WEAR YOUR SEATBELT.

Warning! This ReadyLift® 69-3015 Kit is designed and engineered to lift a stock vehicle with no prior modifications. The use of this kit along with items such as rear lift blocks or spacers, add-a-leaves, airbags, suspension lifts, body lifts or any other type of lifting accessory shall be done at the vehicle owners risk and will void any and all warranties in effect or implied by ReadyLift®. Be sure to adjust your headlights.