

# READYLIFT®

SUSPENSION INC.

## ReadyLift® (Part# 69-3065) 2002-2008 Chevy Trailblazer/GMC Envoy Installation Instructions

Please read instructions thoroughly and completely before beginning installation.  
Check [www.Readylift.com](http://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. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

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Position truck on a flat surface and lift vehicle by the frame so that the front wheels are off the ground. Use a minimum 3 ton jack stands and place under frame for safety or a (2) two post lift if available. Make sure that the emergency brake is on and the rear wheels are blocked to prevent a rollout.

### Bill of Materials

<u>Description</u>	<u>QTY</u>
Steel strut extensions - Front	2
M10 serrated flange nuts	6
Aluminum button shaped coil spacers - Rear	2

1.



Remove the front wheels. Starting on the driver side, disconnect the ABS line from the support bracket at the knuckle.

2.



Also disconnect the ABS line from the support bracket on the upper control arm.

3.



Loosen, but do not remove the two upper strut mounting nuts.

4.



Unbolt the lower sway bar end link.

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5.



Loosen but do not remove the lower strut mounting nut.

6.



Use a pitman arm puller or similar tool to break the taper. If not available, you can use a hammer to free the taper by striking the lower strut mount while prying on it.

7.



Remove the two upper strut mounting nuts and remove the strut. Support the lower control arm with a jack. Unbolt and remove the upper ball joint retaining bolt.

8.



Use a ball joint separator or other appropriate tool to break the ball joint loose from the upper control arm. If tool is unavailable to you, taper can be freed by striking the upper control arm with a hammer. Lower the jack.

9.



Place the lower strut mount in a vise. Install the ReadyLift strut extension using the factory nuts. Tighten to 42 ft-lbs.

10.



Loosen, but do not remove the strut arm pinch bolt. This allows this strut to rotate around for reinstallation.

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11.



Install the strut into the OEM location. The ReadyLift kit has three mounting studs that locate into the existing holes in the strut tower. Loosely install the upper strut mounting nuts.

12.



Lower the jack and install the lower strut mount and nut but do not tighten. Tighten the strut arm pinch bolt. Reinstall the lower sway bar end link.

13.



Raise the jack to compress the suspension, Reconnect the upper ball joint to the upper control arm. Insert the retaining bolt and nut, tighten to 42 ft-lbs.

14.

Tighten the upper strut mounting nuts to 42 ft-lbs. Tighten the lower sway bar end link nut to 74 ft-lbs. Reconnect the ABS line at the knuckle and the upper control arm. Repeat steps 1-13 on opposite side. When completed, install the factory wheels and tires and lower vehicle to the ground. Bounce the front of the vehicle to settle the suspension. Tighten the lower strut mount nut to 175 ft-lbs. Double check all hardware for proper torque. Re-torque all hardware after 500 miles.

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### REAR INSTALLATION

Position truck on a flat surface and lift vehicle by the frame so that the rear wheels are off the ground. Use a minimum 3 ton jack stands and place under frame for safety or a (2) two post lift if available. Make sure that

15. the emergency brake is on and the front wheels are blocked to prevent a rollout. Remove the rear wheels



16.

Unclip the ABS Line from the frame rail on both sides. Use a jack to support the rear axle.



17.

Starting in the driver side, unbolt the upper sway bar end link.



18.

Unbolt the lower shock.



19.

Lower the jack enough to remove the coil spring and isolator.



20.

Take the isolator and install it into the ReadyLift coil spacer.

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21.



The ReadyLift coil will mount on top of the coil.

22.



Lower jack enough to reinstall the factory coil with the ReadyLift spacer on top of it.

Raise the jack and reconnect the rear shock. Tighten to 55 ft-lb. Repeat steps 17-22 on opposite side. Install the upper sway bay end links and tighten to 74 ft-lbs. Press the ABS line clip back into the frame rail on both sides. Install the factory wheels and tires and lower the vehicle to the ground. Be sure to double check that all hardware is to proper torque. Re-torque all hardware after 500 miles.

23.

### Wheel and Tire Fitment

Due to the design of the front suspension, wheel spacers may be needed clear larger tires on the OE wheel. This may also apply to aftermarket wheel and tire combinations. Also, because of the unique 6 on 5 bolt pattern, there are only a limited number of aftermarket wheels available for this vehicle. You can purchase wheel adapters from Fred Goeske at [www.wheeladapter.com](http://www.wheeladapter.com) and change the bolt pattern to the more common 6 on 5.5 bolt pattern.

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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.



After ReadyLift SST Lift Kit 69-3065. 255/70R18 Bridgestone Dueler on 18x8 +50 offset OE wheel w/1.5" wheel spacers.

### 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® 69-3065 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®.