

# READYLIFT®

SUSPENSION INC.

ReadyLift® (Part# 69-3285 and 69-3485)

New Body Chevrolet/GMC Silverado/Sierra 1500 6-Lug 2 & 4WD

4" Lift Kit Installation Instructions

**Please read instructions thoroughly and completely before beginning installation.**

**Check [www.Readylift.com](http://www.Readylift.com) for any updated installation instruction.**

**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 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.

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Installation by a trained mechanic is recommended.

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>	<u>Description</u>	<u>QTY</u>
Upper Control Arm w/ Ball Joint - Driver Side	1	M10-1.25 55mm Hex Head Bolt 10.9	4
Upper Control Arm w/ Ball Joint - Passenger Side	1	M10 Flat Washer	8
Ball Joint Zerk Fitting	2	M10-1.25 C-Lock Nut	4
Cotter Pin	2		
Castle Nut	2		
M6 Flat Washer	2		
M6 Nyloc Nut	2		
UCA Bushings Black	8		
UCA Crush Sleeve	4		
UCA 45 Degree Zerk Fittings	4		
Strut Extension	2		
M10x1.25 Serrated Flange Nuts	6		
Differential Relocation Bracket 1" Wide- Driver Side (4WD Only)	1		
Differential Relocation Bracket 2" - Passenger Side (4WD Only)	1		
M12 Socket Cap 70mm (4WD Only)	1		
M12 Socket Cap 80mm (4WD Only)	1		
M12 Flange Nut (4WD Only)	2	<b>Tools Needed</b>	
M12 Socket Cap 35mm (4WD Only)	1	Metric Socket Set 10mm - 22mm	
M12 Socket Cap 45mm (4WD Only)	1	1/2" Ratchet	
M12 Fender Washer 36mm O.D.	2	Adjustable Wrench	
M12-1.75 35mm Hex Head Bolt Class 10.9 ZP	4	Floor Jack	
M12 Split Lock Washer	4	Jack Stands	
M12 Flat Washer	2	Transmission Jack or attachment	
Skid Plate (4WD Only)	1	for floor jack	
M10-1.25 30mm Flange Head Thread Forming Bolt (4WD Only)	3	Metric Allen Wrench Set	
3" Tapered Block w/ Axle Pad Ears (4WD Only)	2	Metric Combination Wrench Set	
Square U-bolt	4	Pry Bar	
M14-1.5 Barrel Nut	8	4 1/2 Angle Grinder with Flap	
M14 Thick Washers	8	wheel	
Rear Shock Extension	2	Thread Locker	
M14-2.0 75mm Hex Head Bolt Class 10.9 ZP	2	Vice	
M14 Washers	4	Hammer	
M14-2.0 C-Lock Nut	2		
8" Black Zip Ties	4		

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Remove the front wheels. Unbolt the five 15mm bolts that hold the plastic air dam on. Set aside.



Unclip the ABS line at the upper control arm pocket on both sides.



Unclip the ABS line at the upper control arm and unbolt the brake line retention bracket on both sides



Remove the sway bar end link bolt using a 15mm socket and a 15mm open end wrench. Do this on both sides



Remove the brake caliper using an 18mm socket. Secure the caliper so that the brake line does not get stretched or damaged. Repeat on opposite side.



Unbolt the tie rod end using a 21mm socket. A additional wrench may be need to keep the ball joint from spinning. Repeat on opposite side.

## ReadyLift® (Part# 69-3285 and 69-3485)

### New Body Chevrolet/GMC Silverado/Sierra 1500 6-Lug 2 & 4WD 4" Lift Kit Installation Instructions

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Installation by a trained mechanic is recommended.

7.



Remove the six 15mm axle shaft bolts. Set the hardware aside as it will be reused. Repeat on opposite side.  
**(4WD Only)**

8.



Separate the upper ball joint from the steering knuckle. Repeat on opposite side.

9.



Remove the three 18mm upper strut mounting nuts.

10.



Remove the two 15mm lower strut mounting bolts.

11.



Remove the strut from the vehicle. Repeat on opposite side.

12.



Mark the position of the alignment cams. Remove the 21mm UCA nuts, cams, and bolts.

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13.

Remove the upper control arm. Repeat on other side.



14.

Remove the four 11mm driveshaft bolts. **(4WD Only)**



15.

Set the straps and bolts aside. Slide the driveshaft back off the yoke. **(4WD Only)**



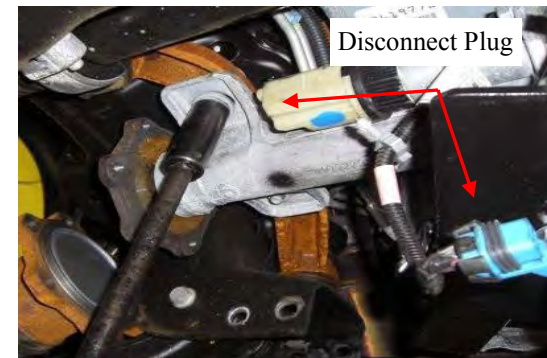
16.

Remove the four rear cross member nuts and bolts. **(4WD Only)**



17.

Remove the rear cross member and set aside. **(4WD Only)**



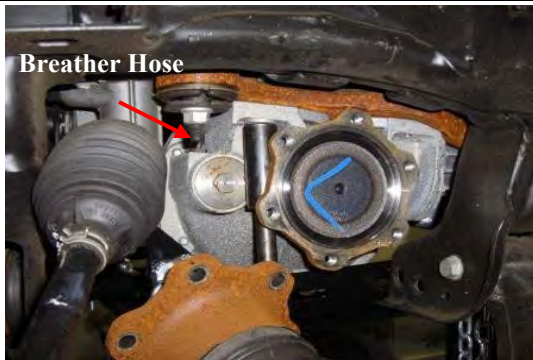
18.

Disconnect the blue electrical plug from the front differential. Support the front differential with a transmission jack. Remove the two passenger side mounting nuts. **(4WD Only)**

## ReadyLift® (Part# 69-3285 and 69-3485)

### New Body Chevrolet/GMC Silverado/Sierra 1500 6-Lug 2 & 4WD 4" Lift Kit Installation Instructions

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Installation by a trained mechanic is recommended.



19.

Unplug the breather hose. Remove the driver side mounting bolts. Make sure the differential is secured with the transmission jack. **(4WD Only)**



20.

Slowly and carefully lower the front differential down to the floor. **(4WD Only)**



21.

Use a black permanent marker to mark the material to be removed. This will be on the driver side of the differential. **(4WD Only)**



22.

Grind off the marked section so that it is flush with the case. **(4WD Only)**



23.

Remove the passenger side torque arm using a 15mm socket and 18mm socket. **(4WD Only)**



24.

Remove the two M12 press in studs. **(4WD Only)**

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25.



Bolt the 2" wide diff drop bracket (narrow taper facing the rear) to the torque arm using the M12x70 and M12x80 socket cap bolts and M12 flange nuts. 75ft-lb. **(4WD Only)**

26.



Reinstall the torque arm to the frame mount. Torque the factory hardware to 75ft-lb. **(4WD Only)**

27.



Install the driver side differential drop bracket using the M12x40 and M12x45 socket cap bolts. Tighten to 75ft-lb **(4WD Only)**

28.



Raise the differential back up into its mounting location. Take care not to pinch the electrical line. **(4WD Only)**

29.



Loosely install two M12x35 bolts, split lock washers, and fender washers on the passenger side mount. Install two M12x35 bolts, split lock washer and flat washer on driver side mount. Tighten to 85 lb-ft **(4WD Only)**

30.



Reconnect the tabs from the wiring harness and plug the connector back in. **(4WD Only)**

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Installation by a trained mechanic is recommended.

31.



Re-attach the differential breather hose. **(4WD Only)**

32.



Put the cross member back in place. Use of a rubber mallet may be needed to help persuade the cross member mounting holes to line up. **(4WD Only)**

33.



Install the factory hardware, the head of the bolt should face the rear and the nut should face the front. Tighten to 75 ft-lb. **(4WD Only)**

34.



Install the ReadyLift Strut Extension on top of the strut using the factory hardware. Tighten to 45 lb-ft.

35.



Install the ReadyLift upper control arm. The upper ball joint will be angled towards the rear of the vehicle. Install the cam bolts and cams. Line up your markings.

36.



Re-install the strut into its stock location. Loosely install the M10 flange nuts on the upper mount.



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Installation by a trained mechanic is recommended.

37.



Raise the lower control arm and line up the lower mounts. Install the M10x55 bolts, washers, and nyloc nuts. Tighten to 45 ft-lb.

38.



Tighten the three upper strut mounting nuts to 45 ft-lb. Install the upper ball joint to the knuckle. Tighten to 85 ft-lb. Install the supplied cotter pin.

39.



Re-install the tie rod. Tighten to 118 ft-lb.

40.



Install the front brake calipers using the factory hardware and 18mm socket. Tighten to 146 lb-ft.

41.



Re-install the front driveshaft using the factory hardware and clamps. Tighten to 26 ft-lb. **(4WD Only)**

42.



Reconnect the inner CV shaft using the factory hardware. Tighten to 45 ft-lb. **(4WD Only)**

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Installation by a trained mechanic is recommended.

43.



Reconnect the ABS line and place back in factory location. Reinstall the sway bar end links on both sides. Tighten to 45 lb-ft.

44.



Install the brake line support bracket onto upper control arm using the 6m nuts and washers provided. Tighten to 7 lb-ft.

BE EXTREMELY CAREFUL NOT TO STRIP THE HOLES IN THE FRAME. LIGHTLY TIGHTEN WITH HAND TOOLS.

45.



Install the ReadyLift skid plate using the M10x30mm self tapping bolts provided into the existing holes in the front and rear cross members. **(4WD Only)**

## 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 use two post lift if available. Make sure that the front wheels are blocked to prevent a rollout.

46.

47.



Unhook the ABS line located behind the rear bump stops on the underside of the frame on both sides.

48.



Support the axle with a floor jack or pole stand. Remove the passenger side rear shock with a 21mm socket and wrench.

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Installation by a trained mechanic is recommended.

49.



Using a 21mm socket to remove the factory u-bolt nuts, axle plate, and u-bolts on the passenger side only.

50.



Lower the axle and remove the factory block.

51.



Install the ReadyLift 3" block with the shorter tapered side facing the front of the vehicle. Raise the axle, make sure the leaf spring center pin goes in the hole on top of the block.

52.



Install the new u-bolts, factory axle plate, washers, and nuts provided. Tighten to 136lb-ft.

53.



Install the ReadyLift rear shock extension on the upper mount of the shock using the M14x70mm bolt, M14 washers and M14 C-Lock nut provided. Tighten to 136 lb-ft.

54.



Install the shock extension into the upper mount using the factory bolt. Do not tighten.

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55.



Install the shock into the lower mount using the factory hardware. Tighten to 136 lb-ft.

56.



Tighten the upper shock mount to 136 lb-ft. Repeat steps 48-56 on opposite side.

57.



Lubricate the ABS line with WD-40 and slide the rubber sleeve up to allow the wire to be reinstalled in the clip on the frame.

58.



Reinstall the wire. Repeat on opposite side.

59.



Using the 8" ties provided, secure the ABS line to the u-bolt.

60.



You may need to bend the upper and lower brake line brackets to allow enough slack in the line at full droop.

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4" Lift Kit Installation Instructions

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Installation by a trained mechanic is recommended.

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!** 69-3285 and 69-3485 kits are designed and engineered to lift a stock vehicle with no prior modifications. The use of these kits 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®.