

# READYLIFT®

SUSPENSION INC.

## ReadyLift® (Part# 66-3000) Torsion Key, Installation Instructions 1999-2007 GM 1500 4WD P/U 6-Lug ½ Ton SUVs with Torsion Bars Body Style Classic

Please read instructions thoroughly and completely before beginning installation.  
Check [www.readylift.com](http://www.readylift.com) for any updated installation instructions.  
Installation by a trained mechanic is recommended.

### Step 1:

Prior to lifting the vehicle it is recommended that you measure the stock height so that you have a base line measurement. Measure from the bottom of the wheel to the lip of the fender, as in Insert A.

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



(A)

### Step 2:

Locate the torsion key cross member under the cab of the truck. (Insert B)

Using a GM Torsion Bar Unloading Tool (ReadyLift® 66-7822A recommended) compress the driver's side key so that you can remove the threaded part of the torsion adjuster. Remove the torsion key adjusting bolt and adjuster completely. (Insert C)

Releasing the tension on the unloading tool will now release the tension on the torsion bar.

Slide torsion bar forward allowing the torsion key to be removed.



(B)



(C)

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**Step 3:**

Install the ReadyLift® Forged torsion key and slide torsion bar back into position.

Apply pressure with torsion bar unloading tool to the torsion key, and create enough space to reinsert the torsion key keeper that the adjusting bolt threads into. *(Insert D)*

**IMPORTANT! Make sure the Torsion Bar is extended at least ¼” through the Torsion Key.**



(D)

**Step 4:**

Install the ReadyLift® supplied adjusting bolt, and adjust it so ¼” of bolt threads extend beyond torsion key keeper. *(Insert E)*

**IMPORTANT!** – Each ¼” of adjustment on the bolt equals 1” at the wheel. It is best to check ride height after this initial setting and adjust as needed.

**Note:** Over Cranking of the suspension will affect ride quality and is not recommended. Two measurements to use as a guide are:

1. The distance from the Lower A Arm to the Bump Stop should not be no more than ½”. *(Insert F)*

2. The distance between the upper A-Arm and the metal bump stop should be no less than ¾”. *(Insert G)*



(E)



(F)



(G)

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**Step 5:**

<p>Unbolt the lower shock. Save the hardware.</p>	
<p>Install the ReadyLift Shock extension onto the shock using the hardware provided. Tighten to 100 lb-ft.</p>	
<p>Compress and rotate the shock so the head of the bolt provided is facing towards the frame. Install the shock extension to the lower control arm using the factory hardware. Tighten to 100 lb-ft.</p>	

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### Step 6:

<p>Repeat steps 1 through 4 on the Passenger Side of the vehicle.</p> <p>Follow each step closely making sure to double-check the torque on all fasteners. Measure the distance between the tires and fenders to make sure both sides of the truck are even.</p>	
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### Step 7:

<p>Wheel Alignment; a Certified Alignment Technician that is experienced with lifted vehicles is recommended to perform the alignment.</p> <p>*It is recommended that you have your vehicle's alignment checked whenever installing new tires.</p> <p>*Minor trimming of the front air dam may be required to ensure adequate tire clearance.</p> <p>*It is also recommended that you adjust your headlights whenever your vehicle's ride height is altered.</p>	
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**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.

**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 vehicle owners risk and will void any and all warranties in effect or implied by ReadyLift®.

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**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 a 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.*