



**READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING INSTALLATION.**

**INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED.**

**READYLIFT® IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.**

### **Safety Warning**

MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.

Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers.

Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers.

Driver and passengers must ALWAYS wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ReadyLIFT Suspension does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your vehicle under the influence of alcohol or drugs.

Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.

It is the responsibility of the retailer and/or the installer to review all state and local laws, with the end user of this product, related to bumper height laws and the lifting of their vehicle before the purchase and installation of any ReadyLIFT products.

It is the responsibility of the driver/s to check their surrounding area for obstructions, people, and animals before moving the vehicle.

All raised vehicles have increased blind spots; damage, injury and/or death can occur if these instructions are not followed.

### **Installation Warning**

All steps and procedures described in these instructions were performed while the vehicle was properly supported on a two post vehicle lift with safety jacks.

Use caution during all disassembly and assembly steps to insure suspension components are not over extended causing damage to any vehicle components and parts included in this kit.

Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.

ReadyLIFT Suspension recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components.

Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual.

Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature wear or failure of the bushing and maintain ride comfort.

Larger tire and wheel combinations may increase leverage on suspension, steering, and related components.

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 ride height. Always measure the vehicle ride height prior to beginning installation.

This suspension system was developed using a 35" x 12.5" tire with 20" x 9" wheel and a offset of +25. If wider tires are used, offset wheels may be necessary and trimming may be required. Factory wheels can be used but are not recommended with tires over 11.5" wide.

The stock spare rim can be run in an emergency - exercise extreme caution under stock spare tire operating conditions. Please note that, if running the spare factory tire, it is done for short distances and a speed not to exceed 45mph or damage to differentials may occur.

## **IMPORTANT NOTE:**

Vehicles with snow prep package / ambulance package front ends will not achieve the full 2.5" lift. The lift height is based off the standard model springs and will make these vehicles sit at the base model lift height.

### **VEHICLE HEIGHT MEASUREMENTS**

	<b>Driver Before</b>	<b>Driver After</b>	<b>Passenger Before</b>	<b>Passenger After</b>
<b>Front</b>				
<b>Rear</b>				

## **BILL OF MATERIALS**

<b>Spring</b>	<b>2</b>
<b>Front Shock</b>	<b>2</b>
<b>Sway Bar Drop</b>	<b>2</b>
<b>Brake Line Extension 2017-UP</b>	<b>2</b>
<b>Brake Line Bracket 2011-2016</b>	<b>2</b>
<b>Bump Stop Extension</b>	<b>2</b>
<b>5/16" x 3/4" Bolt</b>	<b>2</b>
<b>5/16" Washer</b>	<b>4</b>
<b>7/16" x 1 1/2" Bolt</b>	<b>4</b>
<b>7/16" Washer</b>	<b>8</b>
<b>7/16" Nut</b>	<b>4</b>
<b>M8 x 70mm Bolt</b>	<b>2</b>
<b>M8 Washer</b>	<b>2</b>
<b>Track Bar Bracket (46-2726 Only)</b>	<b>1</b>

### **WARNING**

***Before starting installation:*** ReadyLIFT Suspension highly recommends that the installation of this product be performed by a professional mechanic with experience working on and installing suspension products. Professional knowledge and skill will typically yield the best installation results. If you need an installer in your area, please contact ReadyLIFT Suspension Customer Service to find one of our "Pro-Grade" Dealers.

#### **INSTALLATION BY A PROFESSIONAL IS HIGHLY RECOMMENDED.**

- A Factory Service Manual for your specific Year / Make / Model is highly recommended for reference during installation.
- All lifted vehicles may require additional driveline modifications and / or balancing.
- A vehicle alignment is REQUIRED after installation of this product.
- Speedometer / Computer recalibration is required if changing +/- 10% from factory tire diameter.
- A vehicle lift or hoist greatly reduces installation time. Installation time estimates are based on an available vehicle hoist.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

**\*\*\*Parts shown in red for picture clarification only\*\*\***

ReadyLIFT recommends all steps and procedures described in these instructions be performed while the vehicle is properly supported on a two post vehicle lift with safety jacks.

Otherwise, park vehicle on a clean flat surface and block the rear wheels for safety. Engage the parking brake.

Disconnect the vehicle power source at the ground terminal on the battery.

Lock the steering wheel in the straight forward position with the column lock or steering wheel locking device.

Raise the front of the vehicle and support with safety jack stands at each frame rail behind the lower control arms.

**2011 - 2016 front brake line:** Remove the clip holding the rubber brake line block to the frame bracket.



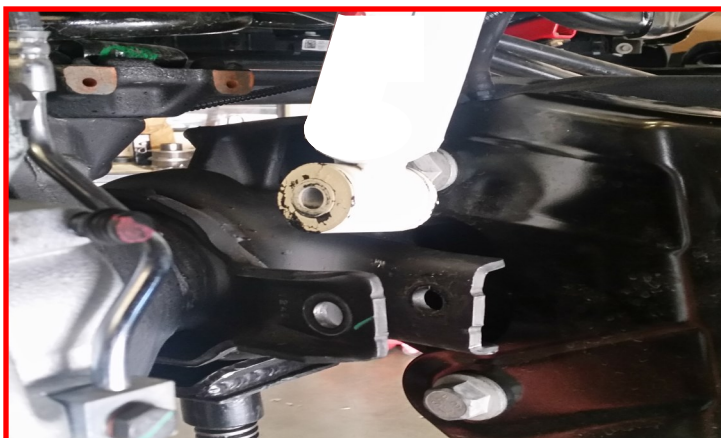
**2011 - 2016 front brake line:** Loosen the metal line ferrule nut at the rubber brake line block. Rotate the fitting down 180 degrees from factory and tighten. Remove the bracket from the frame.



**2017 - UP front brake line:** Remove the brake line bracket at the frame. Remove the brake line bracket at the axle.



Remove the lower shock from the axle mount.



Remove the sway bar from the frame.



Lower the axle enough to remove the front springs. Install the ReadyLIFT **urethane isolator, spring spacer, and then factory rubber isolator onto the spring**. Raise the axle enough to hold the spring assembly in place.



Install the ReadyLIFT sway bar drops to the frame using **factory hardware**. Torque to **35 ft-lbs**. Install the sway bar to the ReadyLIFT sway bar drops using the **7/16" x 1 1/2" bolts, washers and nuts**. Torque to **35 ft-lbs**.



Reattach the factory brake line bracket at the axle using **factory hardware**. Torque to **5 ft-lbs**.



**2011 - 2016 front brake line:** Install the ReadyLIFT brake line drop bracket to the frame using the factory hardware. Torque to **5 ft-lbs**. Note: The ReadyLIFT brackets look like the factory brackets except the locating flat is 180 degrees off. Install the brake line block using the factory clip. Reconnect the ABS line. Do not clip back to fender liner.



**2017 - UP front brake line:** Install the ReadyLIFT brake line bracket to the factory brake line using **5/16" x 3/4" bolts, washers, and nuts**. Install the bolt facing outwards. Torque to **10 ft-lbs**. Gently pull the metal brake line down while lining up the ReadyLIFT bracket to the original holes in the frame. Install using **factory hardware**. Torque to **5 ft-lbs**.



Remove the factory bump stop by pulling it out of its mount. Remove the mount from the frame by pulling it out of its mount.



Install the ReadyLIFT bump stop spacer and factory bump stop mount to the frame using **M8 x 70 mm bolt and washer**. Torque to **5 ft-lbs**. Install the bump stop to the factory mount by pressing it back into place.



Install the provided shocks using the factory lower hardware and provided upper hardware. Do not tighten at this time.

Install the wheels and lower the vehicle to the ground. Torque the lug nuts to the wheel manufacturers specs. Jounce the suspension a few times to settle to the new ride height.

Torque the radius arm brackets and arm bolts to **200 ft-lbs**, track bar to **250 ft-lbs**, upper shock hardware to **30 ft-lbs** and lower shock hardware to **45 ft-lbs**.

Reattach the vehicle power source at the negative terminals.

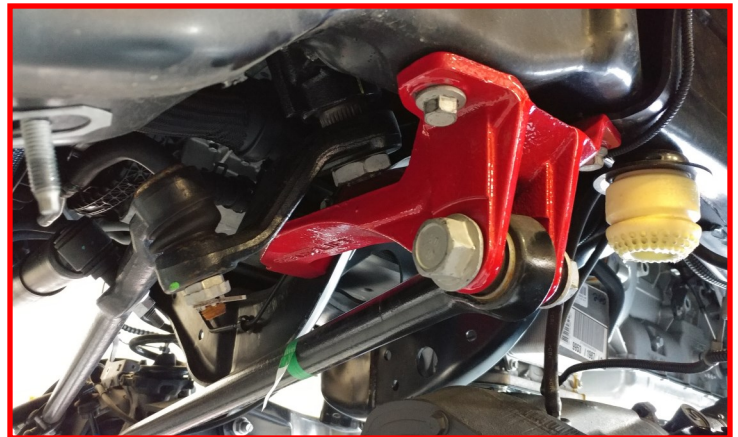
Have the alignment set to the factory specs by a reputable alignment shop.

## **Supplemental Track Bar Bracket Instructions** **Included in the 46-2726** **Optional purchase for the 46-2727**

Remove the track bar from the factory track bar bracket at the frame. Remove the factory track bar bracket from the frame.



Install the ReadyLIFT track bar bracket to the frame using **factory hardware**. Torque to **95 ft-lbs**. Install the track bar to the ReadyLIFT bracket using **factory hardware**. Lower the vehicle to the ground for torque. Torque the track bar hardware to **250 ft-lbs**.







**FAILURE TO PERFORM THE POST INSPECTION CHECKS MAY RESULT IN VEHICLE COMPONENT DAMAGE AND/OR PERSONAL INJURY OR DEATH TO THE DRIVER AND/OR OTHERS.**

### **Final Checks & Adjustments**

Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to ensure proper torque. Torque lug nuts to the wheel manufacturer specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension, adjust as necessary.

**RECHECK ALL HARDWARE FOR PROPER TORQUE VALUES AFTER 500 MILES, AND THEN PERIODICALLY AT EACH SERVICE INTERVAL THERAFTER.**

### **Vehicle Handling Warning**

Increasing the height of your vehicle raises the center of gravity and can affect stability and control. Use caution on turns and when making steering corrections.

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

### **Wheel Alignment/Headlamp Adjustment**

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving.

In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment. If the vehicle is equipped with active or passive safety/collision monitoring and/or avoidance systems including, but not limited to, camera- or radar-based systems, check and adjust your vehicle's systems for proper aim and function.