

# **READYLIFT**<sup>®</sup>

**SUSPENSIONS**

## 44-5801 TRD PRO Upgrade Kit

**IF your ReadyLIFT<sup>®</sup> product has a damaged or missing part, please contact customer service directly and a new replacement part will be sent to you immediately. For warranty issues, please return to the place of installation and contact ReadyLIFT.**

**(877) 759-9991**

**MON-FRI 7AM-4PM PST**

**OR**

**EMAIL: [support@readylift-ami.COM](mailto:support@readylift-ami.COM)**

**WEBSITE: [ReadyLIFT.COM](http://ReadyLIFT.COM)**

**\*\*Please retain this document in your vehicle at all times.\*\***

### **READYLIFT "NO HASSLE" PRODUCT WARRANTY**

This unique "no hassle" product warranty proves out commitment to the quality of every product the ReadyLIFT produces. ReadyLIFT product warranty only extends to the Original Purchaser of any ReadyLIFT product. If it breaks, we will give you a new part.

#### **READYLIFT "NO HASSLE" WARRANTY PROCEDURES**

Any ReadyLIFT products containing missing or defective components will be covered under warranty by ReadyLIFT. Please call 800-549-4620 to initiate a warranty claim. Rest assured our customer service team will urgently address the matter and expedite the replacement parts. In the event of a defective product, ReadyLIFT may request a return of the defective product (at ReadyLIFT's expense) so the quality team can analyze the nature of the defect. Returning defective product will not delay the replacement part delivery.

ReadyLIFT leveling kit, block kits, and lift kit products are NOT intended for off-road abuse. Any abuse or damage as a result of off-road use voids the warranty of the ReadyLIFT product. Exception: ReadyLIFT Jeep SST and Terrain Flex Lift Kits are designed for normal off-road use to compliment the Jeep vehicle's off-road capability. All Jeep Lift Kit products are covered under warranty when used in recreational off-road environments.

Warranty does not apply to discontinued, clearance or outlet products. Wearable components including but not limited to, shocks, ball joints, heim joints, bushings, and steering extensions, are covered for up to 1-year. Labor, installation, surcharges or any other applicable fees from the original purchase are non-refundable. ReadyLIFT is not responsible for any consequential damage to the vehicles.

ReadyLIFT reserves the right to change, modify, or cancel this warranty without prior notice.



**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.

## **BILL OF MATERIALS**

<b>Billet Top Hat</b>	<b>2</b>
<b>Shock Extension</b>	<b>2</b>
<b>Carrier Bearing Drop Kit</b>	<b>1</b>
<b>Block Kit</b>	<b>1</b>
<b>Flange Nut</b>	<b>8</b>



***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 jack point indicated by the service manual. Remove the front wheels. All steps are to be completed on both sides of the vehicle unless instructed.

Remove the lower cradle bolts from the knuckle.



Remove the lower strut and sway bar hardware. Loosen but do not remove the lower control arm cams and let swing out of the way.



Remove the strut from the frame. Remove the ReadyLIFT strut extension. Make sure to mark them for reassembly later. These are driver and passenger side specific and must go back on their corresponding sides. Mark the spring location to shock body.

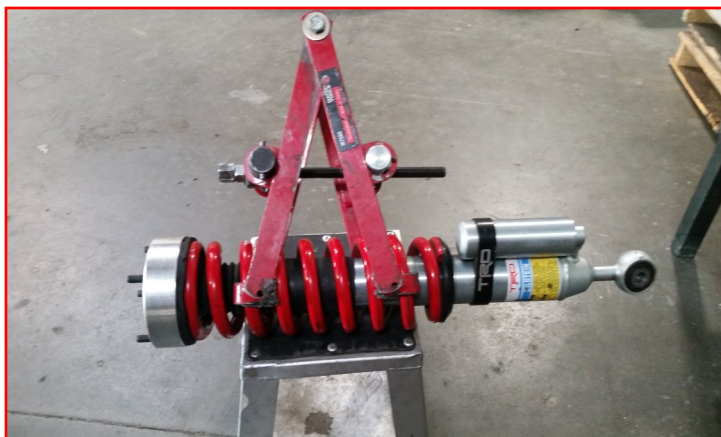


**\*\*\*Caution, the spring is under extreme pressure and can cause bodily injury and or death if handled improperly.\*\*\***

Using a spring compressor, relieve the tension on the strut hat and remove from the strut assembly. Remove the **rubber isolator** from the strut hat and install to the ReadyLIFT billet top hat replacement.



Remove the **rubber bushing** from the factory top hat. The inside bushing is glued in place and requires separation. Install in the same order as removed from the factory parts. Install the strut hat in the same orientation as the factory (**mark on the top of the top hat indicates outward same as factory top hat shown in blue on the picture**) using the **factory hardware**. Torque to **30 ft-lbs**.



Install the ReadyLIFT strut extensions to their corresponding sides using **factory hardware**. D and P are cut into the top plate. D is for driver and P for passenger. Install back to the frame using the previously **removed hardware**. Do not tighten at this time.



Raise the lower control arm up and install the lower ball joint cradle using the previously **removed hardware** and a drop of thread locker. Torque to **200 ft-lbs**.



Install the front wheels and lower the vehicle to the ground. Torque the lug nuts to the wheel manufacturer specs.

Jounce the front suspension to settle the vehicle to the new ride height.

Center the lower control arm cams and torque to **100 ft-lbs** (final torque to be done by alignment technician), the lower strut hardware to **125 ft-lbs**, the sway bar end link hardware to **50 ft-lbs**, and upper strut hardware to **30 ft-lbs**.

Block the front wheels, raise the rear of the vehicle and support the frame with jack stands in front of the rear leaf springs.

Remove the rear wheels.

Remove the 3 brake line brackets, and 2 parking brake brackets from the axle.

With the axle fully supported, remove the rear shocks.

Slightly loosen but do not remove the driver side u-bolts.

Remove the passenger u-bolts. Lower the axle just enough to install the lift block. Install the ReadyLIFT block, making sure the tapered end points to the front. Raise the axle and the block up to the spring while aligning the center pin. Install the **provided u-bolts and nuts**. Snug the u-bolt nuts but do not fully tighten at this time. Repeat steps for driver side.



Remove the boot clamp from the shock and remove the boot from the shock.



Remove the shock extension from the shock. Save the bushings and adapter sleeve from inside the extension.

Install the new longer extension using a liberal amount of thread locker. This is necessary to keep the shock from unscrewing itself while the suspension cycles. **ReadyLIFT will not be responsible for damage occurred due to not have thread locker installed.**



Install the completed shock assembly to the axle and frame. Do not tighten at this time. Install all brake line and ABS brackets using the **previously removed hardware**. Torque all to **5 ft-lbs**. Install the wheels and lower the vehicle to the ground. Jounce the vehicle to settle the suspension to the new ride height.

Torque the u-bolts to **110 ft-lbs**, the lower shock hardware to **45 ft-lbs**, and the upper shock hardware to **30 ft-lbs**. Reconnect the vehicle power source at the negative terminal.

Install the provided 3/4" spacer from the carrier drop kit. Torque hardware to **35 ft-lbs**.

Have the alignment set to the specs provided on the last page of this instruction booklet by a reputable alignment shop.





**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 recommended 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.

## **RECOMMENDED ALIGNMENT SPECS**

Front	Driver	Passenger	Tolerance	Total / Split
Camber	+0.3	+0.3	+/- 0.5	+0.0
Caster	+2.0	+2.0	+/- 0.5	+0.0
Toe	+0.07	+0.07	+/- 0.5	+0.14