Installation Instructions 69-5015

IF YOUR ReadyLIFT® PRODUCT IS MISSING A OR HAS A DAMAGED PART, PLEASE CONTACT CUSTOMER SERVICE DIRECTLY. For warranty issues please return to the place of installation and contact ReadyLIFT® .

A NEW REPLACEMENT PART WILL BE SENT TO YOU IMMEDIATELY

Limited Lifetime Warranty

This unique product warranty proves our commitment to the quality and reliability of every product that ReadyLIFT® manufactures. The ReadyLIFT® product warranty only extends to the original purchaser of any ReadyLIFT® product, if it breaks, we will give you a new part. Warranty does not apply to discontinued parts. Our Limited Lifetime Warranty excludes the following ReadyLIFT® items; bushings, bump stops, ball joints, tie rod ends, heims joints and shock absorbers. These parts are subject to wear and are not considered defective when worn. They are warranted for 12 months from the date of purchase for defects in workmanship. This product warranty is voided if the vehicle is not aligned after kit installation and proper maintenance is routinely done.

Product purchased directly from ReadyLIFT® has a 30 day return policy on uninstalled products from the date of purchase. Uninstalled product returns must be in the original ReadyLIFT® packaging.Customer is responsible for shipping costs back to ReadyLIFT®. **Returns without RGA# will be refused.** Contact ReadyLIFT® directly about any potentially defective parts prior to removal from vehicle. If the part in question is deemed warrantable an RGA# will be assigned and can be returned for repair or replacement. Replacement parts required prior to warranty claim completion must be purchased. Upon receipt and verification of deemed warranty parts claim, a credit or refund can then be processed to complete warranty claim transaction.

ReadyLIFT® products are **NOT** intended for off-road abuse. Any damage or failure as a result from off-road abuse voids the warranty of the ReadyLIFT® product. ReadyLIFT® is **NOT** responsible for any subsequent damages to any related vehicle parts due to misuse, abuse, improper installation, or lack of maintenance. Furthermore, ReadyLIFT® reserves the right to change, modify or cancel this warranty without prior notice.

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Please read Instructions thoroughly and completely before beginning installation.
Installation by a certified mechanic is recommended.

ReadyLIFT® Suspension is NOT responsible for any damage or failure resulting from improper installation.

Safety Warning: 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 and damage, injury and/or death can occur if these instructions are not followed.

This suspension system was developed using a 35" tire with 20" x 9" wheel and a + 25 offset. 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" wide. The stock spare rim can be run in an emergency. 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.

VEHICLE HEIGHT MEASURMENTS

Driver Front:	Driver Rear:	Pass. Front:	Pass. Rear:

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BILL OF MATERIALS

Strut Extension	2
M10 Flange Nut	8
M14 x 150mm Bolt	2
Differential Spacers	2
M14 Washer	4
M14 Lock Nut	2
Skid Plate Spacers	3
M8 X 35mm Bolt	3
M8 Washer	3
Sway Bar Drop	2
M12 x 55mm Bolt	4
M12 Washer	4
Rear Spring Spacers	2
Shock Extension	2
M18 x 80mm Bolt	2
M18 Flat Washer	4
M18 Lock Nut	2

Safety Warning

Before you start 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.

Notes:

- Installation by a professional mechanic is highly recommended.
- A Factory Service Manual for your specific Year / Make / Model is highly recommended for reference during installation.
- Vehicles with a two piece rear driveline may require a carrier bearing drop support bracket, call technical assistance for details.
- All lifted vehicles may require additional driveline modifications and or balancing.
- A four wheel vehicle alignment will need to be performed after installation of this product.
- Speedometer / Computer recalibration is required if changing +/- 10% from factory tire diameter.
- Use of a Vehicle Hoist will greatly reduce installation time.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

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

Record the stock vehicle measurements on both the front and the rear, this will provide a guideline on vehicle rake and lift height.

Measure from the center of the wheel up to the bottom edge of the fender well opening and record on the chart provided on page 2.

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 jack stands at each frame rail behind the lower control arms. Remove the front wheels. (Fig 1)

<u>Repeat for both driver and passenger side</u>

Remove the front gravel guard from the frame.

Remove the lower ball joint cradle bolts from the knuckle. (FIG 2, 3)

Remove the sway bar end link bolts from the lower control arm. (FIG 4)

Remove the lower strut mounting bolt from the lower control arm. (FIG 5)

Loosen but do not remove the upper control arm bolt.

Loosen but do not remove the lower control arm cam bolts and let lower control arm swing out of the way. (FIG 6, 7)

Remove the upper strut mounting nuts. (FIG 8)

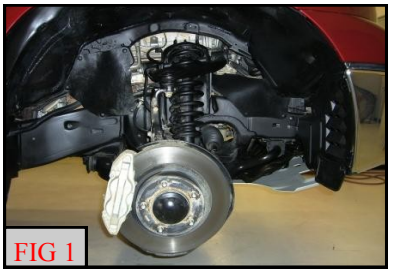
FIG 1


FIG 2


FIG 3

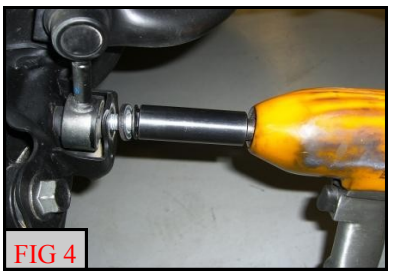
FIG 4


FIG 5

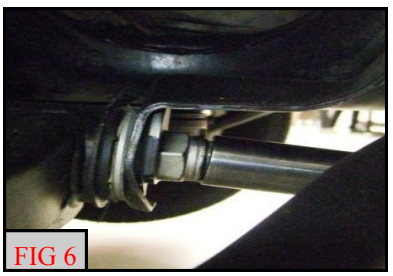
FIG 6

Remove the strut from the vehicle.


FIG 7

Under the vehicle

Support the differential with a suitable jack.

Locate the 2 front differential mounting bolts, nuts and remove. Save the large washer as it will be reused.


FIG 8

Lower the differential down enough to install the Readylift differential drop spacers.

Install using 14mm x 150mm bolts, washers, and c-lock nuts. Torque to 55 ft-lbs.
(FIG 9)


FIG 9

Remove the sway bar from the frame.
(FIG 10)

Install the Readylift sway bar spacers using 12mm x 65mm bolts, and washers. Torque to 35 ft-lbs.
(FIG 11)


FIG 10

Repeat for both driver and passenger sides

Locate and install the Readylift top strut spacer using the factory hardware. Torque to 25 ft-lbs.
(FIG 12)

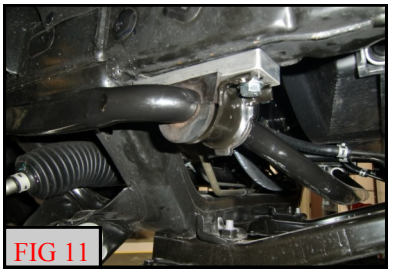
FIG 11

Install the struts into the frame on their corresponding sides using 10mm flange nuts. Do not tighten at this time.

Raise the lower control arm and install the lower strut using the factory hardware. Do not tighten at this time.
(FIG 13)


FIG 12

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Install the lower ball joint cradle using the factory hardware and a drop of thread locker. Torque to 125 ft-lbs.


FIG 13

Install the wheels and lower the vehicle to the ground. Torque the lug nuts to the wheel manufacture specifications. Jounce the suspension and turn the wheels from lock to lock to settle the vehicle to ride height.

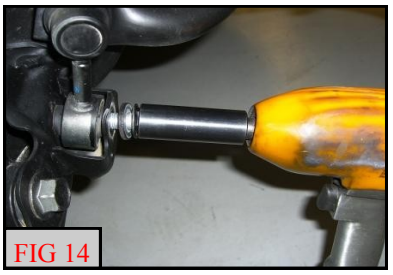
FIG 14

Install the sway bar end links to the control arms using the factory hardware. Torque to 50 ft-lbs.
(FIG 14)

Torque the lower strut bolt to 125 ft-lbs, lower control arm front cam to 125 ft-lbs, lower control arm rear cam to 100 ft-lbs, upper control arm to 100 ft-lbs.

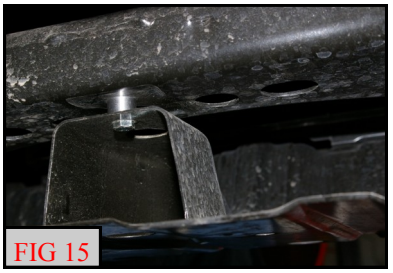
FIG 15

Install the gravel guard using factory hardware on the two forward locations and 8mm x 38mm bolts, washers and spacers on the three rear locations. Torque to 10 ft-lbs.
(FIG 15)

Rear Install

Repeat for both driver and passenger sides

Block the front wheels for safety.


FIG 16

Remove the sway bar end links and bottom shock mount from the lower control arms.
(FIG 16, 17)

Raise the rear of the vehicle and support with jack stands at each frame rail before the control arms.


FIG 17

Remove the rear wheels. (Fig 18)

Using a suitable spring compressor, remove the rear coil spring. (Fig 19)


FIG 18

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

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Install the Readylift coil spring spacers on to the spring, and then into the vehicle. (Fig 20)


FIG 19

Release the coil spring compressor making sure the coil spring is located on the control arm correctly with the lower coil lock on the control arm.

Install the rear wheels and lower the vehicle to the ground.

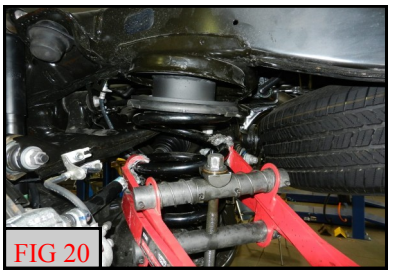
FIG 20

Torque the lug nuts to the wheel manufacture specs.

Install the sway bar end links to the control arms. Torque to 25 ft-lbs.

Install the Readylift shock extension onto the lower shock and control arm using the factory hardware, 3/4" x 2 1/2" bolts, washers, and c-lock nuts. Torque all hardware to 50 ft-lbs. (Fig 21)


FIG 21

Final install and checks

Recheck that all hardware is of proper torque values and all electrical connections are hooked up. Start vehicle and verify that all dash warning lights are off. Cycle the steering wheel from lock to lock to check for any interference of wheels, tires, brake lines, hoses, wires, ect, and ensure adequate clearance through out the suspension cycle. Adjust as necessary.

Install all warning tags and decals as directed:

1. Rear view mirror hanging warning card: Hang from rear view mirror to warn driver of vehicle modification.
2. Lifted truck warning decal: Apply decal to the upper left hand corner of the inside of the windshield facing the driver.

Give all installation instructions, warranty information, and all remaining literature to the end user to keep with vehicle records.

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Final Checks & Adjustments

Post Installation Warnings: Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to insure proper torque. Torque wheels to factory 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.

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

Vehicle Handling Warning: 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.

Vehicle Re-Torque and Safety Inspection:

Upon completion of all services and adjustments performed on your vehicle, and within 50 miles of driving, check to ensure all fasteners and hardware are of proper torque specification as noted in the vehicles factory service manual or the torque specs included.

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

Recommended alignment specs.

FRONT				REAR			
	Left	Right	Tol		Left	Rear	Tol
Camber	+.5	+.5	+/- 0.5	Camber	-0.5	-0.5	+/- 0.5
Caster	+2.0	+2.0	+/- 0.5	Caster	NA	NA	NA
Toe	+.05	+.05	+/- .05	Toe	-.05	-.05	+/- .05