

# READYLIFT®

## SUSPENSIONS

### 69-2734 3.5" F350 Dually with Blocks

**IF your ReadyLIFT® product has a damaged or missing 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**

**(877) 759-9991**

**MON-FRI 7AM-5PM PST**

**OR**

**EMAIL: INFO@ReadyLIFT.COM**

**WEBSITE: ReadyLIFT.COM**

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

#### 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, heim 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. Please call (877) 759-9991 to get an RGA# for any return. 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.



## **69-2734 3.5" F350 Dually with Blocks**

**Please read Instructions thoroughly and completely before beginning installation.  
Installation by a certified professional mechanic is highly 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; 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.

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This suspension system was developed using a 35" x 12.5" tire with 20" x 9" wheel . 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.

# **IMPORTANT NOTE:**

Vehicles with snow prep package / ambulance package front ends may sit taller than standard models in the front and leveled stance may not be achieved. Use of taller rear kit may be necessary.

The lift blocks in this kit are not designed to work with aftermarket or factory add on air spring/load leveling kits that attach to the bump stop tangs. Use of this type of air bag system will void all block warranties and can cause failure of the block bump stop tang.

### **VEHICLE HEIGHT MEASUREMENTS**

	<b>Driver Before</b>	<b>Driver After</b>	<b>Pass. Before</b>	<b>Pass. After</b>
<b>Front</b>				
<b>Rear</b>				

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#### BILL OF MATERIALS

Spring Spacer	2	7/16" x 1 1/2" Bolt	4
Shock Extension	2	7/16" Washer	8
Radius Arm Drops	2	7/16" Nut	4
Radius Arm Crush Sleeves	4	M8 x 70mm Bolt	2
Sway Bar Drop	2	M8 Washer	2
Brake Line Extension	2	M14 x 70mm Bolt	2
Urethane Isolator	2	M14 Washer	4
Bump Stop Extension	2	M14 Nut	2
5/16" x 3/4" Bolt	2	M18 x 130mm Bolt	4
5/16" Washer	4	M18 Washer	8
5/16" Nut	2	M18 Nut	4

#### **2 Piece Driveline ONLY**

Carrier Bearing Spacer	1
7/16" x 2" Bolt	2
7/16" Washer	4
7/16" 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.

#### 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 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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## SUSPENSIONS

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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 jack stands at each frame rail behind the lower control arms. Loosen but do not remove the radius arm and track bar at the frame.

Support the axle with a suitable jack. Remove the radius arm from the frame. Rotate the axle until there is enough clearance to install the ReadyLIFT radius arm drop brackets.



Install the ReadyLIFT radius arm drop brackets into the frame using **M18 x 130mm bolts, washers, crush sleeve, and nuts**. Do not tighten at this time.



Rotate the axle until you can line up the radius arms into the ReadyLIFT drop brackets. Install using **factory hardware**. Do not tighten at this time.





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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.



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



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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. Do not tighten at this time.



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**.



Install the ReadyLIFT shock extensions to the axle using factory hardware. Install the shock to the ReadyLIFT shock extensions using the **M14 x 70mm bolt, washers and nuts**. Torque to **45 ft-lbs**.





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



Install the ReadyLIFT brake line bracket to the factory brake line using **5/16" x 3/4" bolts, washers, and nuts**. Install the bolt with the head between the bracket and the frame. 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.



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.





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Install the wheels and lower the vehicle to the ground. Torque the wheels to the manufacturer 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**, and track bar to **250 ft-lbs**.

#### Rear Install

Block the front wheels for safety. Using a suitable jack, raise the rear axle up and place jack stands on the frame in front of leaf hangers. Support the axle with jack. Remove the rear wheels. (Not necessary, but can make the install easier)

Slightly loosen but do not remove the passenger side u-bolts. Remove the driver side u-bolts completely and discard.



Lower the axle just enough to remove the factory block and install the ReadyLIFT block, making sure not to over extend brake and ABS lines. Adjust as necessary.



Locate the driver side lift block (Has a D cut into it under the bump stop tang). Raise the axle and the block up to the spring while aligning the center pin. **(If tapered, make sure small end points to the front of the vehicle.)** Install the **provided u-bolts, and nuts**. Snug the u-bolt nuts but do not fully tighten at this time. Repeat steps for passenger side.



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Remove the bolts holding the carrier bearing to the frame. Install the ReadyLIFT carrier bearing spacer between the carrier bearing and frame using **provided hardware**. Torque to **50 ft-lbs**.



Lower the vehicle to the ground. Torque the lug nuts to the wheel manufacturer specs. Jounce the vehicle a few times to settle to the new ride height. Torque the u-bolts to **110 ft-lbs**. Have a reputable alignment shop set the alignment to the factory specs.

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**\*\*\*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 THEREAFTER.\*\*\***

### 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 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.