

READYLIFT®

SUSPENSIONS

Ford F350 Dually 5" Lift

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.



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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 Off Road 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 37 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 but only on the front. If you have a flat on the rear, you will have to rotate one of the front wheels to the rear to correct the difference in height. 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 due to tire height differences.

IMPORTANT NOTE:

To run the max tire size on this vehicle, wheel spacers will be required in the rear for stock wheels. A good quality name brand of hub centric wheel spacers are required.

After market wheels are recommended for the proper seating of the tire bead and load capacity for the tires. Load capacity will be altered due to different tires and wheels. Check with the wheel and tire manufacturers for proper usage for this vehicle and the intended towing purposes.

VEHICLE HEIGHT MEASUREMENTS

	Driver Before	Driver After	Pass. Before	Pass. After
Front				
Rear				

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BILL OF MATERIALS

LIFT SPRING	2
DROP PITMAN ARM	1
TRACK BAR BRACKET	1
FRONT BUMP STOP EXTENSION	2
SWAY BAR END LINK W/ NUTS	2
RADIUS ARM DROP DRIVER	1
RADIUS ARM DROP PASSENGER	1
RADIUS ARM CRUSH SLEEVE	4
FRONT SWAY BAR BRACKET	2
BRAKE LINE BRACKET DRIVER	1
BRAKE LINE BRACKET PASSENGER	1
STEERING STABILIZER BRACKET FRAME	1
STEERING STABILIZER BRACKET AXLE	1
REAR SWAY BAR BRACKET	2
REAR BLOCK DRIVER	1
REAR BLOCK PASSENGER	1
U-BOLT	4
U-BOLT HARDWARE PACK	1
FRONT SHOCK	2
REAR SHOCK	2
STEERING STABILIZER	1
CARRIER BEARING DROP	1

5/16" X .75" BOLT (Brake Line Brackets)	2
5/16" LOCK NUT (Brake Liner Brackets)	2
5/16" WASHER (Brake Line Brackets)	4
7/16" X 1.5" BOLT (Sway Bar Brackets)	4
7/16" LOCK NUT (Sway Bar Brackets)	4
7/16" X 2.25" BOLT (Carrier Bearing Spacer)	2
7/16" FLAT WASHER (Sway Bar / Carrier Spacer)	10
M8 LOCK NUT (Bump Stop Extension)	2
M8 WASHER (Bump Stop Extension)	2
M12 x 70mm BOLT (Steering Stabilizer)	2
M12 X 55mm BOLT (Steering Stabilizer Bracket)	1
M12 X 50mm BOLT (Drive Shaft Spacer)	4
M12 X 35mm BOLT (Rear Sway Bar Bracket)	5
M12 LOCK NUT (Steering Stabilizer, Sway Bar)	7
M12 WASHER (Stabilizer / Sway Bar)	18
M18 X 130mm BOLT (Radius Arm Brackets)	4
M18 LOCK NUT (Radius Arm Brackets)	4
M18 WASHER (Radius Arm Brackets)	8
ZIP TIES	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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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 both batteries.

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

Remove the brake line bracket at the frame.



Remove the brake line bracket at the axle.



Remove the vacuum line clips from the driver side radius arm.



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Remove the axle vent line tube from the top of the driver side shock and the inside frame rail.



Remove the vacuum line clip from the passenger side engine cross member.



Mark the drive shaft to pinion orientation, then remove the drive shaft from the front differential. Tape the u joint caps to keep them from falling off / damage while working.



Remove the transfer case skid plate.



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Support the transmission cross member with a suitable jack. Work on one side at a time, remove the cross member bolts. They will be used to mount the radius arm drops.



Leave the axle hanging from the shocks and sway bar end links. Place a suitable jack under the tie rod ends close to the knuckles.



Remove the radius arms at the frame. Use the jack to rotate the axle up allowing the radius arms to drop out of the frame low enough to clear the ReadyLIFT radius arm drops.



Install the ReadyLIFT radius arm drop bracket into the frame using **M18 x 130mm bolts, washers, crush sleeve, nuts and the factory cross member bolts**. Do not tighten at this time. Move the jack holding the cross member up to the opposite side and repeat above steps.



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Rotate the axle by lowering the jacks under the tie rod ends until you can line up the radius arms into the ReadyLIFT drop brackets. Install using **factory hardware**. Do not tighten at this time. Torque the transmission cross member bolts to **40 ft-lbs**.



Remove the jacks from under the tie rod ends and place under the axle.



Remove the sway bar end links from the sway bar and axle.



Remove the sway bar from the frame. Note orientation of the bar for re-installation.



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Remove the track bar at the track bar bracket.
Let hang out of the way.



Remove the shock from the axle.



Lower the axle enough to remove the front springs. Remove the shock from the frame.



Remove the tie rod end at the pitman arm.
Strike the pitman arm with a dead blow hammer to dislodge the taper.



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Remove the steering stabilizer from the frame.



Remove the steering stabilizer nut from the tie rod. Use an air hammer or other suitable device to dislodge the taper.



Remove the factory bump stop by grabbing and pulling it out of its mount using a twisting/pulling motion.



Remove the bump stop mount from the frame.



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Install the ReadyLIFT bump stop extension to the frame by threading it into the existing bolt hole. Use a punch or similar tool in the holes of the mount and tighten down. Install the bump stop mount to the extension using **M8 nut and washer**. Mark a line across the edge of the outer lip of the bump stop mount parallel to the frame.



Remove the bump stop mount and use a suitable cutting device, trim off the marked edge. This is for spring clearance under suspension full droop and articulation.



Re-install bump stop mount to the ReadyLIFT extension making sure the cut edge faces to the outside of the vehicle. Torque to **5 ft-lbs**.



Remove the pitman arm nut. Using a pitman arm puller, remove the pitman arm from the gear box. Clean off any debris off the sector shaft. Coat the sector shaft splines with a light duty liquid based lubricant or oil.



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Install the ReadyLIFT pitman arm using the factory nut. Remove the pitman arm nut. Clean off any lubricant from the sector shaft and pitman arm nut threads and apply a liberal amount of thread locker. Run tight. Use a chain or other suitable strap through the pitman arm tie rod mounting hole to the passenger side frame rail to keep gear box from turning. Torque the pitman arm nut to **450 ft-lbs**.



Install the ReadyLIFT track bar mount to the frame using **factory hardware**. Torque to **120 ft-lbs**.



Install the track bar into the ReadyLIFT track bar mount using the **factory hardware**. Do not tighten at this time.



Install the factory isolator onto the ReadyLIFT springs, and then the springs onto the axle making sure to clock the dead end of the spring into the spring lock. Raise the axle enough to hold the springs into place. Install the front extended length shock to the frame using **provided hardware** and to the axle using **factory hardware**. Do not tighten at this time.



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Install the ReadyLIFT sway bar brackets to the frame using **factory hardware**. Torque to **45 ft-lbs**.



Install the factory sway bar to the ReadyLIFT brackets using **7/16" x 1.5" bolts, washers, and nuts**. Torque to **55 ft-lbs**.



Install the ReadyLIFT sway bar end links to the sway bar using the **supplied nuts**. Torque to **45 ft-lbs**.



Loosen the tie rod adjuster and flip the tie rod 180 degrees and install to the ReadyLIFT pitman arm using **factory hardware**. Torque to **70 ft-lbs**. Install the safety keeper and cotter pin.



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Install the ReadyLIFT steering stabilizer bracket to the frame using **M12 x 35mm bolt and washer**. Do not tighten until the stabilizer has been test fit so as to establish the brackets correct orientation.



Install the ReadyLIFT steering stabilizer bracket to the tie rod using **M12 x 55mm bolt, washers, cone adapter, and nut**. Cone adapter will install from the bottom going up. Do not tighten at this time until the stabilizer has been test fit as to establish the brackets correct orientation.



Install the steering stabilizer to the brackets using **M12 x 70mm bolts, washers, and nuts**. Mark the orientation of the brackets to the tie rod end and frame mount. Remove the stabilizer. Torque the mount hardware to **45 ft-lbs**. Reinstall the steering stabilizer and torque hardware to **45 ft-lbs**.



Make a mark 2.5" below the original vacuum line mount on the passenger side engine cross member. Drill a hole using 3/8" drill bit. DO NOT drill into the oil pan. Install the vacuum line clip into the newly drilled hole.



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Locate the forward hole on the driver side spring mount on the bottom of the frame rail. Drill into frame rail using 3/8" drill bit. Install the differential vent line clip into the drilled hole.



Zip tie the driver side vacuum line to the vent tube making sure that it can not be pinched by the bump stop when the suspension cycles.



Install the ReadyLIFT brake line extensions to the factory brackets using **5/6" x 3/4" bolts, washers, and nuts**. Install bolts from the frame side out.



Driver side: gently pull down on the metal line until you can get the ReadyLIFT bracket to line up with the factory holes.

Passenger side: gently unbend the metal line until you can line up the ReadyLIFT bracket locking tang into the original bolt hole. Make sure to not kink the metal line. Install using **factory hardware**. Do not over tighten and strip the threads.



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Install the front wheels. Lower the vehicle to the ground. Torque the lug nuts to the wheel manufacturers specs. Jounce the vehicle a few times to settle it to the new ride height. Install the front drive shaft using the **factory hardware**. Torque to **26 ft-lbs**, the upper shock hardware to **30 ft-lbs**, the lower shock hardware to **65 ft-lbs**, the radius arm hardware to **200 ft-lbs**, track bar at the bracket to **350 ft-lbs**.

Block the front tires and raise the rear of the vehicle using a suitable jack. Support with jack stands at each frame rail in front of the rear leaf spring hangers.

If your vehicle is equipped with a rear sway bar, remove the brackets from the frame and let the sway bar hang out of the way.



Support the axle with a suitable jack. Remove the rear shocks from the axle and frame.



Loosen but do not remove the passenger side u-bolts. Remove the driver side u-bolts completely.



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Lower the axle enough to remove the factory block and install the ReadyLIFT provided blocks.



Install the ReadyLIFT driver side block (**D is cut into the block under the bump stop tang**) and raise the axle lining the center pins up. Install using the **provided u-bolts and nuts** but do not fully tighten at this time. Repeat steps for the passenger side. (**P is cut into the block under the bump stop tang**)



If the vehicle is equipped with the factory sway bar, install the ReadyLIFT rear sway bar brackets to the frame using **factory hardware**. Torque to **45 ft-lbs**.



Install the factory sway bar bracket to the ReadyLIFT drop bracket using **M12 x 35mm bolts, washers, and nuts**. Torque to **45 ft-lbs**.



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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 **7/16" hardware** and a drop of thread locker. Torque to **50 ft-lbs**.



Install the extended length rear shocks using **factory hardware**. Make sure to install in the proper orientation for the shock that you have (inverted or standard mount). 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 vehicle to settle it to the new ride height. Torque the shock hardware to **65 ft-lbs**, and the u-bolts to **110 ft-lbs**. Reconnect the vehicle power source at the ground terminal on both batteries. Have the alignment set to factory specs. Adjust steering wheel center and toe before driving or you could have dash warning lights come on.

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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 THERAFTER.*****

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.

Factory Alignment Specs Recommended

Caster / Camber Cams may be needed to correct caster.