

Instructions



2015-2024 FORD F150 2 AND 4WD
3/5 REVERSE LEVELING KIT

PART NUMBER (PN): 6562-1

Technical Support

We strive to provide the utmost pre- and post-sales support for our products. Whether you just need upgrade advice, or assistance in adjusting or installing a product, our experienced support staff is always ready to help optimize your UMI product.

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Need installation advice or clarification on the instructions? Scan the QR code (right) to chat directly with a UMI Professional or use the contact information provided to talk to customer service.

Note: UMI social media accounts do not respond to customer service questions.



CONTACT CUSTOMER SERVICE

Hours: M-F 8:00-4:30 (EST)

Email: support@umiperformance.com

Call: +1 (814) 343-6315

Address: 509 Hemlock Street
Philipsburg, PA 16866

SOCIAL MEDIA

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Included Parts

Tools Needed

Part Description	Quantity	PN
Adjustable Rear Lowering Shackle	2	6562-2
Rear Hardware Kit	1	6462BK
U-Bolt Spacers	8	6562F

Floor Jack
Jack Stands
Metric socket set up to 27mm
Metric wrench set up to 27mm
Torque wrench up to 200 ft-lbs
Dead blow hammer

INSTALLATION INSTRUCTION

DISCLAIMER

UMI Performance shall not be held liable for any injuries or damages resulting from the improper installation of this product. It is the sole responsibility of the user to ensure that the product is installed correctly and in accordance with all applicable laws, codes, and regulations. The user assumes all risk and liability for any injuries or damages that may arise from the improper installation of this product. It is important to follow these steps carefully and use the proper tools to avoid damaging the vehicle or causing injury to yourself. If you are uncertain about any part of the installation process, it is recommended that you seek the assistance of a professional mechanic.

STEP 1: Preparing And Disassembling

Organize and layout all necessary parts and hardware prior to beginning the installation process. Carefully review the components and tools required to ensure that all necessary items are present. Once confirmed, proceed to disassemble the rear suspension. The rear leaf spring assembly will need to be unbolted and is very heavy. Make sure axle and spring assemblies are supported at all times. Failure to do so may result in injury.

STEP 2: Lifting and Supporting Vehicle

A) Park the truck on a flat level surface and place the transmission in park. Activate the parking brake and chock the front wheels. Break the lugnuts loose to prepare for the wheels being removed.

IMPORTANT: Do not remove lug nuts, just break them loose.

A) Support the rear of the truck by the frame with properly rated jack stands. The rear differential needs to be able to move up and down. A floor jack can be used under the diff to raise and lower. 2 jacks are best so that the axle can be evenly supported. Ratchet straps can also be wrapped around the axle tubes from the frame if 2 jacks are not available. The rear diff will be totally disconnected from the springs so it's important to keep it stable while also being able to move it up and down.

Remove the lug nuts and the rear wheels.

STEP 3: Rear Disassembly

A) Remove the lug nuts and the rear wheels.

B) Using the floor jack, raise the differential up so that there is no pressure on the rear leaf spring shackle.

C) Remove the U-bolts and axle clamps using a 21mm socket. (Fig 1)

D) Using a 24mm socket and a 21mm wrench, remove the lower bolts from the leaf spring shackle (Fig 2). The leaf springs are under tension so it's important to position the rear so that the bolts holding the rear shackle move freely.

E) Using the floor jack, lift the rear differential up so that the factory lift block may be removed (Fig 3).

F) The rear springs can now be lifted up to make clearance to remove the upper bolt from the rear leaf spring shackle.

G) Remove the factory leaf spring shackle.

FIGURES FOR REFERENCE



Figure 1: U-bolt Removal



Figure 2: Factory Shackle Removal



Figure 3: Remove factory lift block



Figure 4: Adjustable Leaf Spring Shackle

STEP 4: Rear Assembly

A) Replace the factory shackles with the new shackles provided in the kit (Fig 4). Install the upper bolt only. Be sure to feed the bolt from the inside just like factory. Just snugly tighten, do not torque yet.

B) Lower the springs back into place on top of the rear diff. Be sure to guide the rear shackle into place inside the mount.

C) Using a 24mm socket and a 21mm wrench, reinstall the lower bolt for the rear shackle. Just snugly tighten, do not torque yet.

D) Using the included U-bolt spacers, reinstall the factory U-bolts and torque to 98 ft-lbs. (Fig 5.)

E) Lift the rear of the truck and move the jack stands under the axle tubes of the rear differential. The weight of the truck needs to be on the rear suspension to torque the bolts on the rear shackle.

F) Torque rear shackle bolts to 170ft-lbs.

G) Using a standard grease gun, grease the newly installed leaf spring shackles until you can see grease protruding from the sides. (Fig 6)

H) The wheels can now be reinstalled and torqued to factory specs.



Figure 5: U-bolt reinstallation - Block removed



Figure 6: Grease rear shackle