

# **SINISTER DIESEL**



**2004-2015**

**FORD SUPERDUTY**

**2WD LEVELING KIT**



# DISCLAIMER

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1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.

2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.

3) Due to its high performance nature, this product may void vehicle manufacturer's warranty.

4) Sinister Mfg Company, Inc. is not responsible for misuse of its products. By installing this product, you release Sinister Mfg Company, Inc. of any and all liability associated with its use.

5) Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!

6) The purchaser and end user releases, indemnifies, discharges and holds harmless Sinister Mfg Company, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Sinister Mfg Company, Inc. will not be liable for any direct, indirect, consequential, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.

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# 2004-2015 Ford 2wd Leveling Kit



## **PACKING LIST:**

<b><u>QTY.</u></b>	<b><u>Description</u></b>
2	Leveling Block
2	Stud Extension

## **Recommended Tools**

Floor Jack and Jack Stands  
10, 15 and 18mm Sockets  
1 1/8" Open End Wrench  
Angle Grinder and Cut Off Wheel

***If you have any issues regarding this product, or if it arrives with missing parts please contact Sinister Diesel directly at (888) 966-6543. Thank you.***

***Read all instructions prior to install.***

***Note:*** Prior to installation, please compare the parts that you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation.



**CAUTION!!!** Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

**Note:** You may need 1.5" Longer shocks or extension adapters depending on the type of shocks you have. The shock must be extended for the amount of lift added to the suspension.

**Note:** After installation of the leveling kit you will need a front end alignment. Lifting the front suspensions will change the geometry of the front wheels. This must be corrected for proper steering control and tire wear.

**Step 1:** Jack up the front and relieve tension off the suspension. Also remove the front wheels. (Image 1)

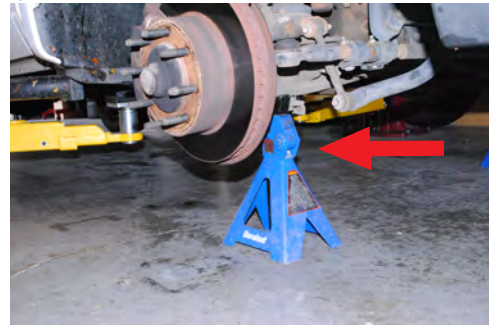


Image 1

**Note:** In these instructions we are using a commercial vehicle lift and a jack stand to raise or lower the control arm. If you are doing this at home you will want to have the front vehicle lifted on jack stands and use a jack to raise or lower the control arms.



Image 2

**Step 2:** Using 15mm and 18mm sockets, Disconnect the sway bar. (Image 2)

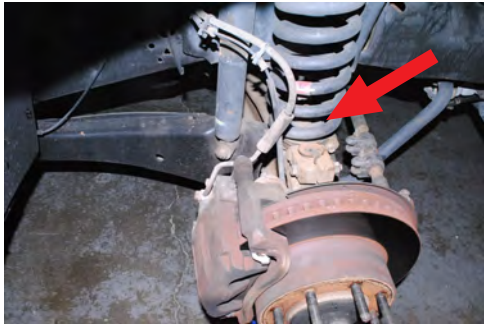
**Step 3:** Use a floor jack to load the control arm enough to remove the shock. (Image 3)



Image 3

**Note:** Marking the rotation of the spring will help during the reassembly process.

**Step 4:** Lower the floor jack so there is just enough tension to hold the spring in place. Then use a 10mm socket to remove the upper spring retainer.



*Image 4*

**Step 5:** Carefully lower the floor jack to free the coil spring. Then using a 1 1/8" open end wrench or deep socket with extensions, remove the retaining nut inside the bottom of the spring. (*Image 4*)



*Image 5*

**Step 6:** Remove the spring and the plastic insulator under the spring. (*Image 5*)

**Step 7:** Depending on the length of the threaded stud you may have to cut it to accommodate the stud adapter. The hex of the stud adapter shouldn't protrude more than 1/16" inch with the leveling block when in place. (*Image 6*)



*Image 6*

**Step 8:** With the stud adapter installed and the leveling block in place put the coil spring back into place and reinstall the upper spring retainer. Be sure the flat side of the leveling block is facing out toward the wheel.

*(Image 7)*



*Image 7*

**Step 9:** Reinstall the retainer plate and nut to the bottom of the spring. You may have to jack up the control arm to get it to seat properly.

**Step 10:** Using 18mm socket and floor jack, jack up the control arm to reinstall the extended shocks or shock extensions.

**Step 11:** Using 15 and 18mm sockets, reconnect the sway bar.

**Step 12:** Reinstall the front tires and have the vehicle properly aligned.

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