



TM

ICON VEHICLE DYNAMICS

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Instruction Sheet:

Part No. 3-2000
Mini Spring Pack Leveling Kit
Late 1999-2004 Ford Super Duty
F250/F350 4WD
Late 1999-2005 Ford Excursion 4WD

Enclosed Parts List:

(2) Mini-Spring Pack
(2) 12" Front U-Bolts
(8) 9/16" Nut
(2) 13" Front U-Bolts
(8) 9/16" Washer

*****READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!***

Warning! *Icon Vehicle Dynamics* recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands.

IT IS HIGHLY RECOMMENDED TO USE RED LOC TIGHT 271 ON ALL FACTORY FORD BOLTS WHEN RE-INSTALLING THE BOLTS!

INSTRUCTIONS:

1. ***ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK REAR TIRES!***
2. Remove the front wheels: Consult your vehicle owner's manual. Jack up the front of the vehicle using a jack on the FORD approved jacking points. Support the vehicle using jack stands and remove the wheels.
3. Remove the front shock lower bolts.
4. With a floor jack under the front end loosen and remove the U-bolts. Make sure the axle is well supported or it could fall when the U-bolts are removed
5. Slowly and carefully lower the axle away from the springs and remove the factory centering pin. Installer may want to c-clamp factory spring together before removing center pin. This will make it easier to install the new spring pack.
6. It may be required to disconnect the factory sway bar for ease of installation in order to drop the axle far enough to allow room to work.
7. Place the new mini spring pack between the axle and spring, make sure the mini spring pack is unbolted. Slide new center pin through factory leaf spring and reinstall the supplied nut. Jack up the axle and guide the spring center pin in to the hole on the top of the axle.
8. Install new u-bolts (long u-bolts on driver side), washers and nuts, tighten to 100 ft-lb
9. Install shocks onto lower factory mount: Compress shock and insert bolt into a factory shock mount tab.
10. Use **RED LOCTITE 271** and torque upper and lower bolts to **76 lb-ft** (FORD factory specifications).
11. Repeat steps 3-9 for the other side of the vehicle.
12. Reinstall wheels and lower to the ground. Re check U-bolt torque. Consult vehicle owner's manual.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.

For technical assistance or suggestions on how to make our product better call (951) 689-ICON Monday-Friday between the hours of 8am-12pm and 1pm-5pm Pacific-standard time, certain holidays excluded.

***Icon Vehicle Dynamics* LIMITED LIFETIME WARRANTY**

Icon Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. *Icon Vehicle Dynamics* does not warrant the product for finish, alterations, modifications and/or installation contrary to *Icon Vehicle Dynamics* instructions. *Icon Vehicle Dynamics* products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

Icon Vehicle Dynamics obligation under this warranty is limited to the repair or replacement, at *Icon Vehicle Dynamics*' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty.

Items that are subject to wear are not considered defective when worn and are not covered.

Coil over take-apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. We do not warranty any other product not directly manufactured by *Icon Vehicle Dynamics*.

Icon Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty.

Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.