



ICON VEHICLE DYNAMICS

1580 Commerce St. Corona, CA 92880
ph. 951.272.ICON fx. 951.272.4IVD

Instruction Sheet:

Part No. 6-2510

2.5" Coil Spring Leveling Kit

2005-2008 Ford Super Duty F250/F350 4WD

Enclosed Parts List:

(2) Coil Springs

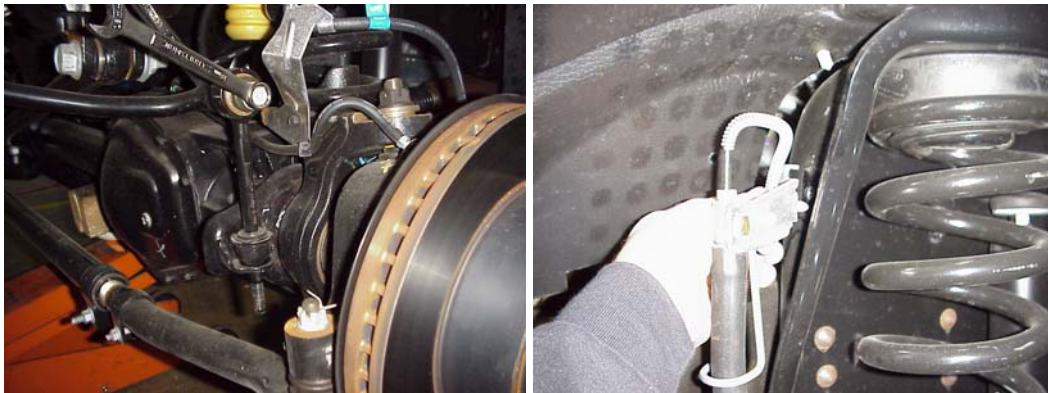
(2) Alignment Cams

*****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.

FRONT SUSPENSION INSTALLATION

1. Jack up the front end of the truck and support the frame at the front frame rails with jack stands. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove front wheels.
2. Disconnect the upper and lower brake line brackets and the sway bar links. Keep track of hardware location as these will be reinstalled.



3. Support the axle housing with a floor jack and remove the front shocks. The shocks are limiting droop so MAKE SURE THE AXLE IS SUPPORTED OR THE AXLE WILL FALL when the shocks are removed.
4. You can now lower the axle on to the floor jack to relieve the coil spring tension. Remove the springs from the truck and remove the upper rubber spring isolator.
5. Install the rubber isolator on the new spring. Make sure the end of the spring seats properly in the rubber isolator.



6. Install the new coil springs. Make sure the pig tail lower end of the spring is seated properly in its seat by rotating clockwise until the end of the spring hits the stop in the seat.
7. Slowly jack up the axle making sure the coils align in the upper and lower seats. Jack up just far enough to install the new front shocks. Tighten the lower shock bolt until it is snug – do not fully tighten this bolt yet.



8. Remove stock alignment cams: Remove cotter pin and nut from upper ball joint. With a brass hammer, strike the ball joint stud to dislodge taper. Be careful no to damage threads. Remove stock alignment cam.
9. Install new alignment cam: Make sure arrow is pointing toward the front of the truck and the flat end of the cam is aligned with the flat end of the knuckle. Use the old sleeve to tap the new one down onto the taper. Install nut and torque to 69 ft*lb. Install cotter pin.
10. Jack the axle up 2-3" from full droop. Reinstall the sway bar links and reattach the brake line brackets. Tighten the lower shock bolt to 76 ft*lb, tighten the upper shock stem until the stem bushings compress ¼" and double nut.
11. Reinstall wheels and lower vehicle to the ground.
12. Have the vehicle aligned: Castor and camber are now set with the alignment cam, only toe-in needs to be checked and adjusted.

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) 272-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.