



TM

# ICON VEHICLE DYNAMICS

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## ***Instruction Sheet:***

**Part No. 3-2170**  
**Dual Steering Stabilizer Kit**  
**Late 1999-2004 Ford Super Duty F250/F350**  
**4WD**  
**Late 1999-2005 Ford Excursion 4WD**

## ***Enclosed Parts List:***

(1) Passenger Side Mount	(1) Hardware Kit Including:
(1) Driver Side Mount	(2) 1/2" x 3" Bolt, Gr.8
(1) Center Link (Front Half)	(4) 1/2" Nylon Lock Nut
(1) Center Link (Back Half)	(6) 1/2" Flat Washer, Gr.8
	(2) 3/8" U-Bolts
	(4) 3/8" Nylon Lock Nut
	(4) 3/8" Flat Washer, Gr.8

**\*\*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!**

## ***INSTALLATION INSTRUCTIONS:***

1. *ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK TIRES!*
2. Passenger side mount: remove the passenger side U-bolt nuts and washers from the bottom side of the axle perch. Only do one side at a time so that the opposite side holds the axle in place
3. Slide the mount over 3 of the 4 U-bolt threads with the 1/2" stud pointing upwards and reinstall the nuts with loc tight. Torque to spec. ( **120 lb-ft** )
4. Driver's side mount: With the passengers side fully reassembled now remove the U-bolt nuts from the driver's side.
5. Install the driver's side mount so that it extends up and over the tie rod with the 1/2" stud pointing downward in front of the tie rod. reinstall the nuts with loc tight and Torque to spec. ( **120 lb-ft** )
6. Center mount: it is important that the center mount is in the correct location on the tie rod to ensure full steering throw!
7. There are 4 indentations near the middle of the stock tie rod. Align the U-bolt in the tab with the notch closest to the driver's side. Drop the rear center link half down over the tie rod, make sure that the tangs engage in the slot of the mating part! Install u-bolts with a little play, these will be tightened later



8. Install 4 sleeves in shock eyelets with a light coat of grease
9. These shocks are nitrogen charged and are difficult to compress by hand! To aid in installation install the front shock with the wheel turned mostly to the right and the rear shock with the wheel turned mostly to the left. Install the shaft end into the center link first using 1/2" x 2.5" bolt and washers then slide the body end of the shock over the stud and fasten with a washer and nylock nut
10. Recheck center link alignment with notch as it may have shifted due to shock pressure. Tighten U-bolt around tie rod (**35 lb-ft**) tighten 1/2" shock bolts (**65 lb-ft**)
11. Cycle steering all the way both directions and check for shock bottoming and full steering travel!
12. Recheck all hardware!

**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.