



EZ - Ride Suspension

Part # 66250
2005 — 2006 Ford Super Duty
Dual in-line stabilizer

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
66250-01	Center stabilizer bracket	1
66250-02	DS & PS outer stabilizer bracket	2
66250NB1	Hardware bag	1
5U-123785R	1/2" x 3 7/8" x 5" round u-bolts	2
66395-04	Cylinder	2
66250INST	Instruction sheet	1
MIRRORHANGER	Rear view mirror hanger	1
WARNINGDECAL	Warning decal	1
SX5000	Stabilizer decal	2

Congratulations on your selection to purchase a Tuff Country EZ-Ride Suspension System. We at Tuff Country are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us, and our product.

Before installation begins, it is the customers/ installers responsibility to make sure that all parts are on hand. If any parts are missing, please feel free to call one of our customer service representative @ (800) 288-2190.

Make sure to use locktite on all new and stock hardware associated with this installation.

Product safety label must be installed inside the cab in plain view of all occupants.

It is the responsibility of the installers to make sure that the rear view mirror hanger is hung from the rear view mirror. The rear view mirror hanger has instructions on proper post installation procedures.

Torque Settings:

5/16"	15—18 ft lbs.
3/8"	28—32 ft lbs.
7/16"	30—35 ft lbs.
1/2"	65—85 ft lbs.
9/16"	85—120 ft lbs.
5/8"	95—130 ft lbs.
3/4"	100—140 ft lbs.

Installation Manual

Ford Super Duty

2005 — 2006

DUAL STEERING STABILIZER

PART # 66250

sj113005rev.01

Important customer information

Tuff Country EZ-Ride Suspension highly recommends that a qualified and or certified mechanic performs this installation.

This vehicles reaction and handling characteristics may differ from standard cars and/or trucks. Modifications to improve and/or enhance off road performance may raise the intended center of gravity. Extreme caution must be utilized when encountering driving conditions which may cause vehicle imbalance or loss of control. DRIVE SAFELY! Avoid abrupt maneuvers, such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use.

After the original installation, Tuff Country EZ-Ride Suspension also recommends having the alignment check every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension take no responsibility for abuse, improper installation or improper suspension maintenance.

It is the responsibility of the customer or the mechanic to wear safety glasses at all times when performing this installation.

It is the customers/installers responsibility to read and understand all steps before installation begins. OEM manual should be used as a reference guide.

The Tuff Country EZ-Ride Suspension product safety label that is included in your kit box must be installed inside the cab in plain view of all occupants.

LIMITED LIFETIME WARRANTY

Notice to all Tuff Country EZ-Ride Suspension customers: It is your responsibility to keep your original sales receipt! If failure should occur on any Tuff Country EZ-Ride Suspension component, your original sales receipt must accompany the warranted unit to receive warranty. Warranty will be void if the customer can not provide the original sales receipt. Do not install a body lift in conjunction with a suspension system. If a body lift is used in conjunction with any Tuff Country EZ-Ride Suspension product, your Tuff Country EZ-Ride Suspension **WARRANTY WILL BE VOID**. Tuff Country Inc. ("Tuff Country") suspension products are warranted to be free from defects in material and workmanship for life if purchased, installed and maintained on a non-commercial vehicle; otherwise, for a period of twelve (12) months, from the date of purchase and installation on a commercial vehicle, or twelve thousand (12,000) miles (which ever occurs first). Tuff Country does not warrant or make any representations concerning Tuff Country Products when not installed and used strictly in accordance with the manufacturer's instructions for such installation and operation and accordance with good installation and maintenance practices of the automotive industry. This warranty does not apply to the cosmetic finish of Tuff Country products nor to Tuff Country products which have been altered, improperly installed, maintained, used or repaired, or damaged by accident, negligence, misuse or racing. ("Racing is used in its broadest sense, and, for example, without regards to formalities in relation to prizes, competition, etc.) This warranty is void if the product is removed from the original vehicle and re-installed on that or any other vehicle. This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title. All implied warranties are limited to the duration of this warranty. The remedies set forth in this warranty are exclusive. This warranty excludes all labor charges or other incidental of consequential damages. Any part or product returned for warranty claim must be returned through the dealer of the distributor from whom it was purchased. Tuff Country reserves the right to examine all parts returned to it for warranty claim to determine whether or not any such part has failed because of defect in material or workmanship. The obligation of Tuff Country under this warranty shall be limited to repairing, replacing or crediting, at its option, any part or product found to be so defective. Regardless of whether any part is repaired, replaced or credited under this warranty, shipping and/or transportation charges on the return of such product must be prepaid by the customer under this warranty.

Hardware Bag 66250NB1 Includes:

Description	Quantity
5/16" x 1 1/2" x 2 3/16" round	4
1/2" u-bolt high nuts	4
1/2" u-bolt harden washers	4
5/16" flange lock nuts	8
Universal mounting hardware	4

Special note: Shocks boots are not included in this box kit and need to be ordered as a separate part #. If you have not already ordered your shock boots please contact Tuff Country or your local Tuff Country dealer and order your new shock boots. Tuff Country offers; red, dark blue, light blue, black, yellow or gray shock boots.

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Place the steering wheel in the center location.

2. If the vehicle that you are working on is equipped with a stock steering stabilizer, remove the stock steering stabilizer from the stock location. The stock steering stabilizer and the stock hardware may be discarded.

3. Locate the new center steering stabilizer bracket and (2) new 1/2" x 3 7/8" x 5" round u-bolts. Also, locate (4) 1/2" u-bolt high nuts and (4) 1/2" u-bolt harden washers from hardware bag 66250NB1. Measure from the differential housing towards the passenger side of the vehicle 3/8", scribe a mark. Install the new center steering stabilizer bracket to the stock front axle lining up the mark that was scribe earlier in this step with the driver side edge of the new center steering stabilizer bracket. Secure the new center stabilizer bracket to the stock front axle using the new 1/2" x 3 7/8" x 5" round u-bolts and hardware. Torque to 65 ft lbs. **Special note: Make sure there is at least a 1/4" of clearance from new center steering stabilizer bracket and the stock tie rod.**

Photo # 1 / measurement

Photo # 2 / u-bolt installation

4. Locate the driver and passenger side outer steering stabilizer brackets. Also, locate (4) 5/16" x 1 1/2" x 2 3/16" round u-bolts and (8) 5/16" flange nuts from hardware bag 66250NB1. Working on the driver side, install the outer steering stabilizer bracket to the stock tie rod and secure using the new 5/16" x 1 1/2" x 2 3/16" round u-bolts and hardware. Torque to 18 ft lbs. **Special note: When installing the outer steering stabilizer bracket to the stock tie rod, make sure to install the bracket to the leading edge of the threads on the stock tie rod. Also, make sure that the brackets are installed parallel to the ground. Repeat procedure on the passenger side.**

Photo # 3 / driver side

Photo # 4 / passenger side

5. Locate (4) universal stabilizer mounting hardware packs from hardware bag 66250NB1. Install (2) universal stabilizer mounting hardware bags to the center bracket and torque to **28 ft lbs**. Install (1) universal stabilizer hardware pack to the outer driver side stabilizer bracket one (1) universal stabilizer hardware pack to the outer passenger side stabilizer bracket and torque both sides to **28 ft lbs**.

6. Locate the new stabilizer. Also, locate the new shock boots. **Special note: Shocks boots are not included in this box kit and need to be ordered as a separate part #. If you have not already ordered your shock boots please contact Tuff Country or your local Tuff Country dealer and order your new shock boots. Tuff Country offers; red, dark blue, light blue, black, yellow or gray shock boots.** Install the new shock boots onto each stabilizer and secure the boots to the new stabilizer with the supplied zip tie. Secure the new stabilizers to the center and out brackets using the supplied hardware. Torque to **28 ft lbs**.

Photo # 5 / center bracket

Photo # 6 / Completed installation

7. Install the supplied SX5000 stickers on each stabilizer.

8. Check and double check to make sure that all steps were performed properly. Also, turn the steering wheel from lock to lock and make sure that there is no binding in the steering. Also, make sure that the stabilizer is not bottoming out or topping out. If you have any questions or concerns about the installation, please feel free to contact Tuff Country.

Installation complete