



Installation manual
Dual in-line steering stabilizer
2005 - 2011
Ford F250/F350 Super Duties
Part # 66250

sj07192010rev.02

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2005 - 2011 Ford F250/F350 Super Duties
Dual in-line steering stabilizer

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
66250-01	Center stabilizer bracket	1
66250-02	Outer stabilizer bracket	2
66250NB1	Hardware bag	1
5U-123785R	1/2" x 3 7/8" x 5" round u-bolt	2
66395-04	Stabilizer	2
66250INST	Instruction manual (customer copy)	1
66250INST	Instruction manual (installer copy)	1
MIRRORHANGER	Rear view mirror hanger	1
WARNINGDECAL	Warning decal	1
SX5000	Stabilizer decal's	2

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

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.

Please see the end of the installation manual for a picture of the hard parts that are included in this suspension system.

Important customer information:

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

It is the responsibility of the customer/installer 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. If you have any questions or concerns, please contact our technical department @ (801) 280-2777. Also, the OEM manual should be used as a reference guide.

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.

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.

Important information that needs to be read before installation begins:

The dual in-line stabilizer kit will only work on vehicles that have at least 2" of lift or taller. If the vehicle that you are working on does not have at least 2" of lift, please contact Tuff Country or your local Tuff Country dealer to return the kit.

Dust boots are not included in this box kit and need to be ordered as a sperate part #. If you have not already ordered your dust boots, please contact Tuff Country or your local Tuff Country dealer and order your new dust boots.

Tuff Country EZ-Ride Suspension packages (2) sets of instruction sheets with this box kit. (1) is for the installer and (1) is for the customer. The (1) for the customer has some post installation procedure literature and it is the installers responsibility to make sure that the customer receives a copy of the installation manual along with the literature.

Before installation begins, Tuff Country EZ-Ride Suspension highly recommends that the installer performs a test drive on the vehicle. During the test drive, check to see if there are any uncommon sounds or vibrations. If uncommon sounds or vibrations occur on the test drive, uncommon sounds or vibrations will be enhanced once the suspension system has been installed. Tuff Country EZ-Ride Suspension highly recommends notifying the customer prior to installation to inform the customer of these issues if they exist.

Make sure to use thread locker or loctite on all new and stock hardware associated with the installation of this suspension system.

Special note: 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 representatives @ (801) 280-2777.

Recommended tools selection:

Cut off wheel
Torque wrench
Standard socket set
Standard wrench set
Metric socket set
Metric wrench set
Tape measure

Hardware bag 66250NB1 includes:

Description	Quantity
5/16" x 1 1/2" x 2 3/16" round u-bolt	4
SUW-12 (1/2" u-bolt harden washer)	4
12HN (1/2" u-bolt harden washer)	4
516FLN (5/16" flange lock nut)	8
P19 (universal mounting hardware pack)	4

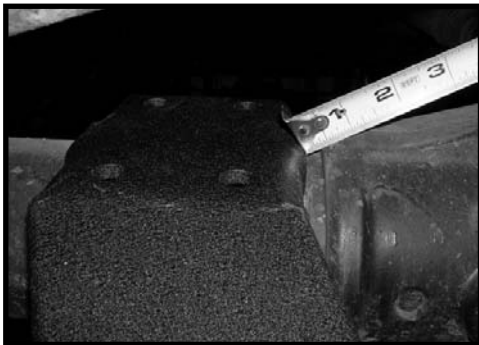
Please follow instructions carefully:

Stabilizer installation:

1. To begin installation, block the rear tires of the vehicle 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 stabilizer bracket and (2) 1/2" x 3 7/8" x 5" round u-bolts. Also, locate (4) 1/2" u-bolt harden washers and (4) 1/2" u-bolt high nuts from hardware bag 66250NB1. Measure from the differential housing flange towards the passenger side 3/8" and scribe a mark. Install the new center stabilizer bracket to the stock front axle lining up the mark that was scribed earlier in this step with the driver side edge of the new bracket. Secure 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 that there is at least a 1/4" clearance from the new center bracket and the stock tie rod.**

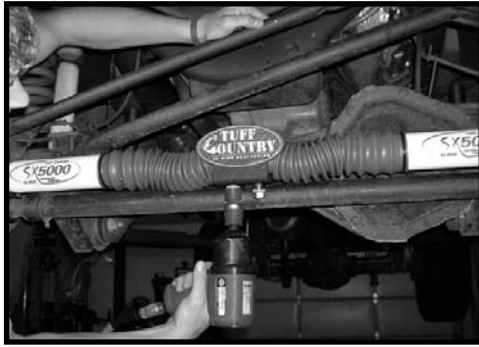


4. Locate the driver and passenger side outer stabilizer brackets. Also, locate (4) 5/16" x 1 1/2" x 2 3/16" round u-bolts and (8) 5/16" flange nuts from hardware bag 66250NB1. Working on the driver side, install the outer bracket to the stock tie rod and secure using the new u-bolts and hardware. **Torque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



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

6. Locate the new stabilizers. Also, locate the new dust boot covers. **Special note: Dust boots are not included in this box kit and need to be ordered as a sperate part #. If you have not already ordered your new dust boot covers, please contact Tuff Country or your local Tuff Country dealer and order your new new dust boot covers.** Install the new dust boot covers onto each stabilizer and secure the dust boot covers to the stabilizers with the supplied zip ties. Secure the new stabilizers to the new center out outer brackets using the supplied hardware. **Torque new hardware to 28 ft lbs.**



7. Install the supplied SX5000 stickers on each stabilizers.

8. Check and double check to make sure that all steps where performed properly. Also, start the vehicle and turn the steering wheel from lock to lock to make sure that there is not binding in the steering. Also, make sure that the stabilizers are not bottoming out or topping out.

Congratulations, installation complete!

Special note: After the completion of the installation, Tuff Country EZ-Ride Suspension recommends taking the vehicle to an alignment shop and having a proper front end alignment performed.

Tuff Country EZ-Ride Suspension recommends that a complete re-torque is done on all bolts associated with this suspension system. 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. Neglect of following these steps could cause brackets to come loose and cause serious damage to the suspension system and to the vehicle.

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