



EZ - Ride Suspension

Part # 22971

2005 / 2006 Ford Super Duty

Track bar relocation bracket with 0" - 3" of lift

Parts list:

Part #	Description	Qty.
22970-05	Track bar relocation bracket	1
22971NB	Hardware bag	1
22971INST	Instruction sheet	1
MIRRORHNAGER	Post installation procedure handout	1
WARNINGDECAL	Warning decal	1

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.

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

It is the responsibility of the installers to make sure that the customer receives a copy of the installation manual and all warning information.

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.

After the completion of the installation a front end alignment is required.

If you desire to return your vehicle to stock, it is the customers responsibility to save all stock hardware.

Torque Settings

5/16"	15—18 ft lbs.
3/8"	28—32 ft lbs.
7/16"	30—45 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 Track bar relocation bracket with 0" — 3" of lift 2005 / 2006 Ford Super Duty Part # 22971

sj100305rev.01

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 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.

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 checked every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension takes no responsibility for abuse, improper installation or improper suspension maintenance.

Please follow instructions carefully:

1. Working on the driver side, remove the stock sway bar end link from the stock location and save the stock hardware for later re-installation. Repeat procedure on the passenger side.
2. Block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle, and support the frame with a pair of jack stands. Place a jack stand on both the driver and passenger side. Next, remove the tires and wheels from the driver side only.
3. Working on the driver side, remove the stock hardware that attaches the stock track bar to the stock track bar relocation bracket. Let the stock track bar hang. The stock hardware may be discarded.
4. Working on the driver side, remove the (2) stock bolts that connect the stock track bar bracket to the bottom side of the stock frame rail. **Special note: Carefully heat up the (2) stock bolts before removal. This will help melt the lock tite that is on the stock bolts.** Set the stock bolts aside for later re-installation.
5. Working on the driver side, remove the (3) stock bolts that connect the stock track bar relocation bracket to the stock cross member. The stock hardware and the stock track bar bracket may be discarded.
6. Locate the new track bar relocation bracket. Also, locate the stock hardware that was removed in step # 4. Working on the driver side, install the new track bar relocation bracket to the stock location and secure using the stock hardware. **Do not tighten at this point and make sure to use thread locker or lock tite.**
7. Locate (3) 9/16" x 1 1/2" bolts, (6) 1/2" USS flat washers and (3) 9/16" unitorque nuts from hardware bag 22971NB. Secure the leg of the new track bar relocation bracket to the back side of the stock cross member and secure using the new 9/16" x 1 1/2" bolts and hardware. **Special note; The stock track bar bracket was located on the front side of the stock cross member and now the new one is going to be installed on the back side of the stock cross member.** Also, make sure to use thread locker or lock tite. Torque the 9/16" hardware to **90 ft lbs** and the stock hardware that was installed in step # 6 to **75 ft lbs**.
8. Locate (2) CAM-08, (1) CAM-06, (1) M20UN and (1) M20LW from hardware bag 22971NB. Install the stock track bar to the newly installed track bar relocation bracket and secure using the new cam bolt and hardware. **Special note: Make sure to install the new cam bolt from the back of the vehicle to the front of the vehicle. This will put the nut of the bolt on the front side of the bracket and it will make it easier to get a torque wrench on the nut of the bolt.** Center the cam bolt and torque to **125 ft lbs. Make sure to use thread locker or lock tite.**
9. Re-install the tire and wheel on the driver side and carefully lower the vehicle to the ground.
10. Locate the stock sway bar end link and the stock sway bar end link hardware from step # 1. Working on the driver side, re-install the stock sway bar end link to the stock location and secure using the stock hardware. **Make sure to use thread locker or lock tite and torque the upper hardware to 80 ft lbs. and the lower stock hardware to 65 ft lbs.**
11. Check and double check to make sure that all steps where performed properly and check again. Take the vehicle directly to an alignment shop for a proper front end alignment.

If you have any questions or concerns about the installation, please contact our someone at our technical department @ (801) 280 2777

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;

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.

Before the installation begins, it is the responsibility of the customer and the installer to check and make sure that all parts are on hand. If parts are missing, please call on of the customer services department @ (801) 280 2777.

Hardware Bag 22971NB Includes:

Description	Quantity
CAM-08 (Cam washers)	2
CAM-06 (20 mm x 110 mm cam bolt)	1
M20UN (20 mm nut)	1
M20LW (20 mm lock washer)	1
916112B (9/16" x 1 1/2" bolt)	3
12WA (1/2" USS flat washer	6
916UN (9/16" unitorque nuts)	3