



Installation manual
Rear shock relocation bracket kit
2000 — 2006 Chevy or GMC 1500
with stock air ride shocks
Part # 10963

sj121207rev.02

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<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
16965-13	DS & PS rear shock relocation bracket	2
10963NB1	Hardware bag	1
10963INST	Instruction manual	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.

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.

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.

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

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:

Tuff Country recommends installing this box kit only on vehicles that have the stock air ride control shocks and has a 6" suspension system installed on the vehicle. This box kit will not work on stock vehicle or vehicle that have a suspension system taller than 6".

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 lock tite 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.

Hardware bag 10963NB1 includes:

<u>Description</u>	<u>Quantity</u>
S10019 (.750" x .563" x 1.215" sleeve)	2
9163B (9/16" x 3" bolt)	2
12WA (1/2" USS flat washer)	4
916UN (9/16" unitorque nut)	2
716114B (7/16" x 1 1/4" bolt)	2
38WA (3/8' USS flat washer)	4
716UN (7/16" unitorque nut)	2
M10434ALL (all thread rod)	2

Recommended tools selection:

Drill
Drill bits
Torque wrench
Standard socket set
Standard wrench set
Metric socket set
Metric wrench set
Tape measure
Hydraulic floor jacks

Rear shock relocation bracket installation:

1. To begin installation, block the front tires of the vehicle so that the vehicle is stable and can't roll forward. Safely lift the rear of the vehicle, and support the frame with a pair of jack stands. Place a jack stand on both the driver and passenger side.

2. Working on the driver side, remove the stock shock from the stock lower mounting point. Save the stock hardware for later installation. Repeat procedure on the passenger side. **Special note: You do not need to remove the shock completely from the vehicle, make sure to keep the upper shock mount attached to the stock location.**

3. Locate (2) new rear shock relocation brackets. Locate (2) 9/16" x 3" bolts, (4) 1/2" USS flat washer, (2) 9/16" unitorque nuts, (2) 7/16" x 1 1/4" bolt, (4) 3/8" USS flat washers and (2) 7/16" unitorque nuts and (2) S10019 sleeves from hardware bag 10963NB1. Working on the driver side, install the new shock relocation bracket into the stock location and secure using the new 9/16" x 3" bolt and hardware. **Special note: Make sure to install the new anti-crush sleeve on the inside of the new shock relocation bracket. Do not tighten at this point. Make sure to use thread locker or lock tite.** Make sure that the new shock bracket is sitting flush with the stock shock bracket. On the bottom side of the stock bracket, measure from the center of the back edge towards the front of the vehicle 2". Scribe a mark. Carefully drill a 7/16" hole in the stock bracket and the new shock relocation bracket. Secure the shock relocation bracket to the stock shock bracket using the new 7/16" x 1 1/4" bolt and hardware. Add some thread locker or lock tite on the new 7/16" bolt and the new 9/16" bolt and torque the 7/16" hardware to **35 ft lbs** and the 9/16" hardware to **95 ft lbs**. Repeat procedure on the passenger side.

4. Locate the stock lower shock mounting hardware. Working on the driver side, install the lower portion of the stock shock into the newly installed lower shock relocation bracket. Secure using the stock hardware. Add some thread locker or lock tite on the stock bolt and torque to **95 ft. lbs**. Repeat procedure on the passenger side.

Photo # 1 / complete bracket installed on the passenger side

Step 5 needs to be performed if the stock actuator is still installed. If an aftermarket actuator rod has already been installed, please skip to step # 6

5. Locate the new all thread rods from hardware bag 10963NB1. Working on the driver, remove the stock actuator rod from the stock location and discard. Install the new actuator rod into the stock rear location by inserting the actuator rod into the bottom ball joint cap and then into the top. Repeat procedure on the passenger side.

Photo # 2

6. Check and double to check to make sure that all steps were performed properly and carefully lower the vehicle to the ground.

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.

If you have any questions or concerns, please feel free to contact Tuff Country or your local Tuff Country dealer.



Photo # 1

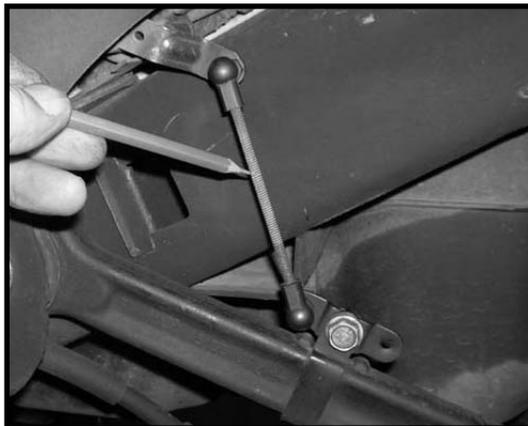


Photo # 2