



## **EZ - Ride Suspension**

### **Part # Block and U-bolt kits**

<u>Part #</u>	<u>Qty.</u>
Rear blocks	2
U-bolts	4
Hardware bag	1
WARNINGDECAL	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.

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

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 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.

# **Installation manual Block and U-bolt kits**

sj04292013rev.02

### **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:

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.

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:

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

### Rear block and u-bolt 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 vehicle with a pair of jack stands. Place a jack stand on both the driver and the passenger side. Next, remove the rear wheels and tires from both sides.
2. Place a hydraulic floor jack under the rear axle. Place one on the driver and passenger side.
3. Working on the driver side, remove the lower shock mounting hardware from the shock and save hardware. Repeat procedure on the passenger side.
4. Working on the driver side, remove the u-bolts and hardware from the stock location and discard. Set the u-bolt plate/plates a side. Repeat procedure on the passenger side.
5. Carefully lower down on both hydraulic floor jacks at the same time allowing enough room for the new blocks to be installed. **Special note: Take special care not to damage or over extend any brake lines and or hoses.**
6. Locate the new rear blocks. Install the new rear blocks between the spring pack and the axle. **Special note: If the vehicle that you are working on already has a rear block in it, remove the block and discard. Tuff Country does not recommend stacking blocks. Also, if the block that you are installing has a taper to it, make sure to install the smaller end of the block towards the front of the vehicle.**
7. Carefully raise up on both hydraulic floor jacks until the new blocks seat properly with the spring pack.
8. Locate the new u-bolts and hardware. Install the new u-bolts into the stock location and secure using the stock u-bolt plate/plates and the new hardware. Snug the u-bolts but do not tighten at this point. Repeat procedure on the passenger side.
9. Remove the hydraulic floor jacks from under the rear axle.
10. If the new u-bolts that you have installed are a 1/2", torque the new u-bolts to **52 - 70 ft lbs**. If the new u-bolts that you have installed are a 9/16", torque the new u-bolts to **75 - 100 ft lbs**. If the new u-bolts that you have installed are a 5/8", torque to new u-bolts to **107 - 143 ft lbs**. If the new u-bolts that you have installed are a 3/4", torque to new u-bolts to **190 - 253 ft lbs**. **Special note: if desired, carefully cut off the excess threads off each leg of the u-bolts. Cut them about a 1" - 1 1/2" from the new high nut.**
11. Working on the driver side, install the shock back into the stock location using the stock hardware. Also, re-install any brake line or hoses that were removed earlier in the installation. **Special note: If new brake line relocation brackets are needed, please contact Tuff Country or your local Tuff Country dealer to order new brake line relocation brackets.** Repeat procedure on the passenger side.
12. Install the tires and wheels 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.**