



EZ - Ride Suspension

Part # 30927

1998 - 2009 Dodge Ram 2500 - 3500

1998 - 2001 Dodge Ram 1500

Replacement front sway bar end link

<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
30927-01	Upper sway bar bracket	2
12112CB	1/2" x 1 1/2" carriage bolt	2
916WA	9/16" USS flat washer	2
S10102	.630" x .500" x .260" sleeve	2
12UN	1/2" unitorque nut	6
12212B	1/2" x 1 1/2" bolt	2
716WA	7/16" USS flat washer	2
S10194	Tapered sleeve	6
S10116	Hiem joint	4
S10195	Middle double threaded sleeve	2
S10196	Lower Tapered shaft	2
716UN	7/16" unitorque nut	2
38WA	3/8" USS flat washer	2
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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.

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

Replacement front sway bar end link

1998 - 2009

Dodge Ram 2500-3500

1998 - 2001

Dodge Ram 1500

Part # 30927

sj100909rev.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:

On some Dodge Ram 2500-3500 vehicles that were manufactured between 2003 - 2009 and have a Tuff Country EZ-Ride Suspension installed on their vehicle, may have installed an after market sway bar end link set up. If this is the case on the vehicle that you are working on, this part # will not work on your vehicle. Part # 30929 will be needed if the vehicle that you are working on has an after market sway bar end link set up.

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:

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

Special note:

The new end links are shipped installed the way that they will be installed on the vehicle. Please notice how you take them apart so there is no confusion during installation.

1. To begin installation, start on the driver side, remove the stock end link from the stock sway bar and the lower mount. The stock end link and all hardware may be discarded. Repeat procedure on the passenger side.

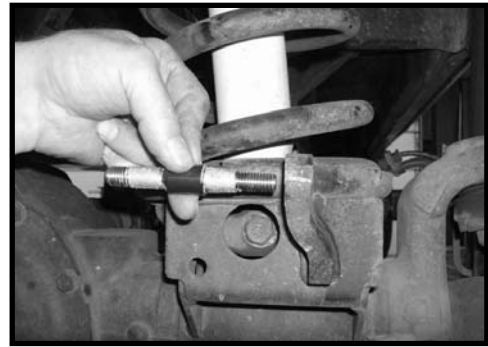
2. Block the rear tires of the vehicle so that the vehicle is stable and can't roll backwards. Safely lift the front of the vehicle and support the vehicle with a pair of jack stands. Place a jack stand on both the driver and the passenger side. Next remove the tires and wheels from both sides of the vehicle.

3. Locate the new sway bar end link and disassemble them. **Special note: The new end links are shipped installed the way that they will be installed on the vehicle. Please notice how you take them apart so there is no confusion during installation.**

4. Locate the lower Tapered shaft and add some anti-seize lubricant as shown in the photos below.

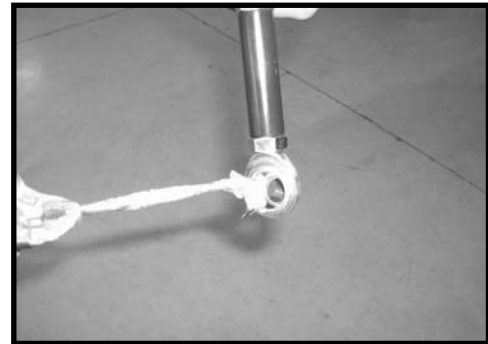


5. Slide the new lower Tapered shaft onto the stock lower sway bar bracket.



6. Secure the lower Tapered shaft to the stock lower sway bar bracket and secure using the 3/8" USS flat and a 7/16" unitorque nut. **Do not tighten at this point.**

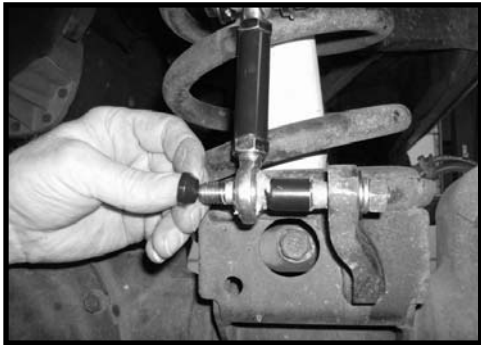
7. Locate the center section of the new end links and add some anti-seize to the hiem joints.



8. Re-install the upper "U" bracket to one end of the hiem joint and secure using 1/2" x 2 1/2" bolt, 7/16" USS flat washers and the Tapered sleeves. **Do not tighten at this point.**

9. Now install the new end link to the lower Tapered shaft that is located in the stock location and secure using the Tapered sleeve and the 1/2" unitorque nut. **Do not tighten at this point.**





10. Locate the small sleeve and add it into the hole on the stock sway bar.



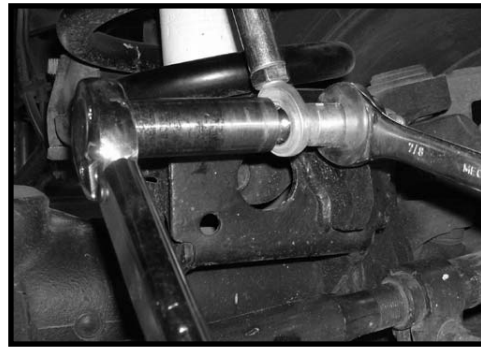
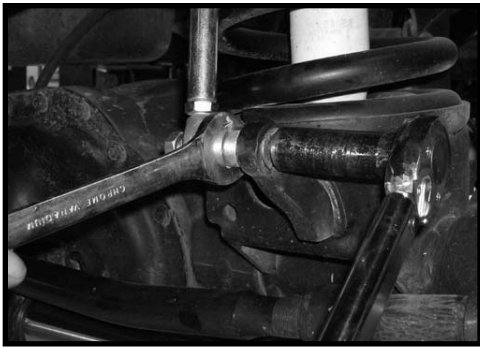
11. Install the new 9/16" USS flat washer over the carriage bolt on the top bracket. Now install the top bracket through the new sleeve in the stock sway bar. Secure the new upper bracket to the sway bar using the new 7/16" USS flat washer and 1/2" unitorque nut. Make sure to use thread locker or loctite and torque to **75 ft lbs.**



12. Move back to the new hardware attaching the end link to the new upper bracket and add some thread locker or loctite and torque to **65 ft lbs.**



13. Move back to the lower Tapered shaft and add some thread locker and loctite to the new 7/16" unitorque nut and the 1/2" unitorque nut. Torque the 7/16" jam nut to **40 ft lbs.** and the 1/2" unitorque nut to **50 ft lbs.** **Special note: When torquing these 2 nuts, make sure to use a 7/8" open end wrench and hold the body of the Tapered shaft.**



14. Complete photo of installed end link.



15. Repeat step #'s 4 - 14 on the passenger side.

16. Install the tires and wheels and carefully lower the vehicle to the ground.

Congratulations, installation complete!

If you have any questions or concerns about the install please feel free to contact our tech department at Tuff Country. (801) 280-2777