



EZ - Ride Suspension

PART NUMBER : 66395
2003 — 2004 DODGE RAM 2500 & 3500
DUAL STABILIZER
PARTS LIST:

Part #	Description	Qty.
66395-01	Center bracket	1
66395-02	Driver side outer bracket	1
66395-03	Passenger side outer bracket	1
66395-04	Stabilizer	2
5U-516114234R	5/16" x 1 1/4" x 2 3/4" round u-bolt	2
S10014	Shock sleeves	2
S10083	Shock sleeves with washers	2
S10091	Crush sleeve	1
66395NB	Hardware bag	1
66395INST	Instruction sheet	1

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

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 representative @ (800) 288-2190.

Make sure to use locktite on all new and stock hardware associated with this installation.

Product safety label must be installed inside the cab in plain view of all occupants.

It is the responsibility of the installers to make sure that the rear view mirror hanger is hung from the rear view mirror. The rear view mirror hanger has instructions on proper post installation procedures.

Torque Settings:

5/16"	15—18 ft lbs.
3/8"	28—32 ft lbs.
7/16"	30—35 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 DODGE RAM 2500 & 3500 2003 - 2004 DUAL STEERING STABILIZER PART # 66395

sj090904rev.01

IMPORTANT CUSTOMER INFORMATION

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

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

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.

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.

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 or 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.

Hardware Bag 66395NB Includes:

Description	Quantity
5/16" unitorque nuts	4
5/16" flat washers	4
1/2" x 2" bolt	1
1/2" x 2 1/4" bolt	2
1/2" x 3 1/4" bolt	2
1/2" flat washers	8
1/2" unitorque nuts	5
3/8" x 1 1/2" bolts	4
3/8" flat washers	8
3/8" unitorque nuts	4
3/8" lock washers	4

Special Note: Shocks boots are not included in this box kit and need to be ordered as a separate part #. If you have not already ordered your shock boots please contact Tuff Country or your local Tuff Country dealer and order your new shock boots. Tuff Country offers; red, dark blue, light blue, black, yellow or gray shock boots.

1. To begin installation, block the rear tires of the vehicle so 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. Working on the passenger side, carefully cut off the stock steering stabilizer mounting tabs. **See photo # 1 for proper cut line. Special Note: Tuff Country does not recommend using a torch when performing this step. Tuff Country recommends using a cut off wheel. There are (2) tabs, they both need to be cut off. Once the tabs have been cut off, clean and dress up any exposed metal.**

Photo # 1

4. Locate the driver and passenger side outer dual stabilizer bracket. Also, locate (4) 3/8" x 1 1/2" bolts, (8) 3/8" flat washers, (4) 3/8" unitorque nuts and (4) 3/8" lock washers from hardware bag 66395NB. Working on the driver side, secure the driver side outer dual stabilizer bracket to the outside of the stock lower control arm bracket that is welded to the stock front axle tube using a pair of vise grips. **Special note: Make sure that the new driver side outer dual stabilizer bracket is pushed up far enough that it is flush with the stock axle tube.** Using the new driver side outer dual stabilizer as a guide, carefully drill (2) 3/8" holes into the stock lower control arm bracket. Secure the new driver side outer dual stabilizer bracket to the stock lower control arm bracket using the new 3/8" x 1 1/2" bolt and hardware. Make sure to use thread locker or lock tight and torque to **22 ft lbs.** Repeat procedure on the passenger side.

Photo # 2 / driver side shown

5. Locate the new S10091 (.625" x .500" x .470") crush sleeve. Install the new sleeve into the stock tie rod. Install the new sleeve from the bottom side of the stock tie rod.

Photo # 3

6. Locate the new center dual stabilizer bracket. Also, locate (1) 1/2" x 2" bolt, (2) 1/2" flat washers and (1) 1/2" unitorque nut from hardware bag 66395NB. Secure the new center dual stabilizer bracket to the stock tie rod using the new 1/2" x 2" bolt and hardware. **Make sure to use thread locker or lock tite. Do not tighten at this point.**

Photo # 4

7. Locate (4) 5/16" x 1 1/4" x 2 3/4" u-bolts. Also, locate (4) 5/16" unitorque nuts and (4) 5/16" flat washers from hardware bag 66395NB. Secure the center dual stabilizer bracket to the stock tie rod using the new u-bolts and hardware. Torque to **14 ft lbs**. Move back to the 1/2" x 2" bolt that was installed in step # 6 and torque to **55 ft lbs**.

Photo # 4

8. Locate the new stabilizer. Locate (2) S10014 (.625" X .500" X 1.500") crush sleeves and (2) S10083 (.625" x .500" x 2.250" with welded washer) crush sleeves. Also, locate the new shock boots. **Special note: Shocks boots are not included in this box kit and need to be ordered as a separate part #. If you have not already ordered your shock boots please contact Tuff Country or your local Tuff Country dealer and order your new shock boots. Tuff Country offers; red, dark blue, light blue, black, yellow or gray shock boots.** Install the new shock boots onto each stabilizer and secure the boots to the new stabilizer with the supplied zip tie. Install the new S10014 into the rod end of the stabilizer and the S10083 into the body end of the stabilizer.

9. Locate (2) 1/2" x 3 1/4" bolts, (4) 1/2" flat washers and (2) 1/2" unitorque nuts from hardware bag 66395NB. Working on the driver side, secure the body end of the stabilizer to the previously installed driver side outer stabilizer bracket using the new 1/2" x 3 1/4" bolt and hardware. Make sure to use thread locker or lock tite. Do not tighten at this point. **Special note: See photo # 4 for proper sleeve placement.** Repeat procedure on the passenger side.

Photo # 5 / driver side shown

10. Locate (2) 1/2" x 2 1/4" bolts, (2) 1/2" flat washers and (2) 1/2" unitorque nuts from hardware bag 66395NB. Working on the driver side, secure the new stabilizer to the center bracket using the new 1/2" x 2 1/4" bolt and hardware. **Special note: A washer is not needed on the nut side of this bolt.** Make sure to use thread locker or lock tite. Repeat procedure on the passenger side. Torque the 1/2" x 2 1/4" bolts to **55 ft lbs** and the 1/2" x 3 1/4" bolts that were installed in step # 9 to **55 ft lbs**.

Photo # 6 / complete picture of the dual stabilizer on the vehicle

11. Check and double check to make sure that all steps were performed properly. Also, turn the steering wheel from lock to lock and make sure that there is no binding in the steering. Also, make sure that the stabilizer is not bottoming out or topping out. If you have any questions or concerns about the installation, please feel free to contact Tuff Country.

Installation complete

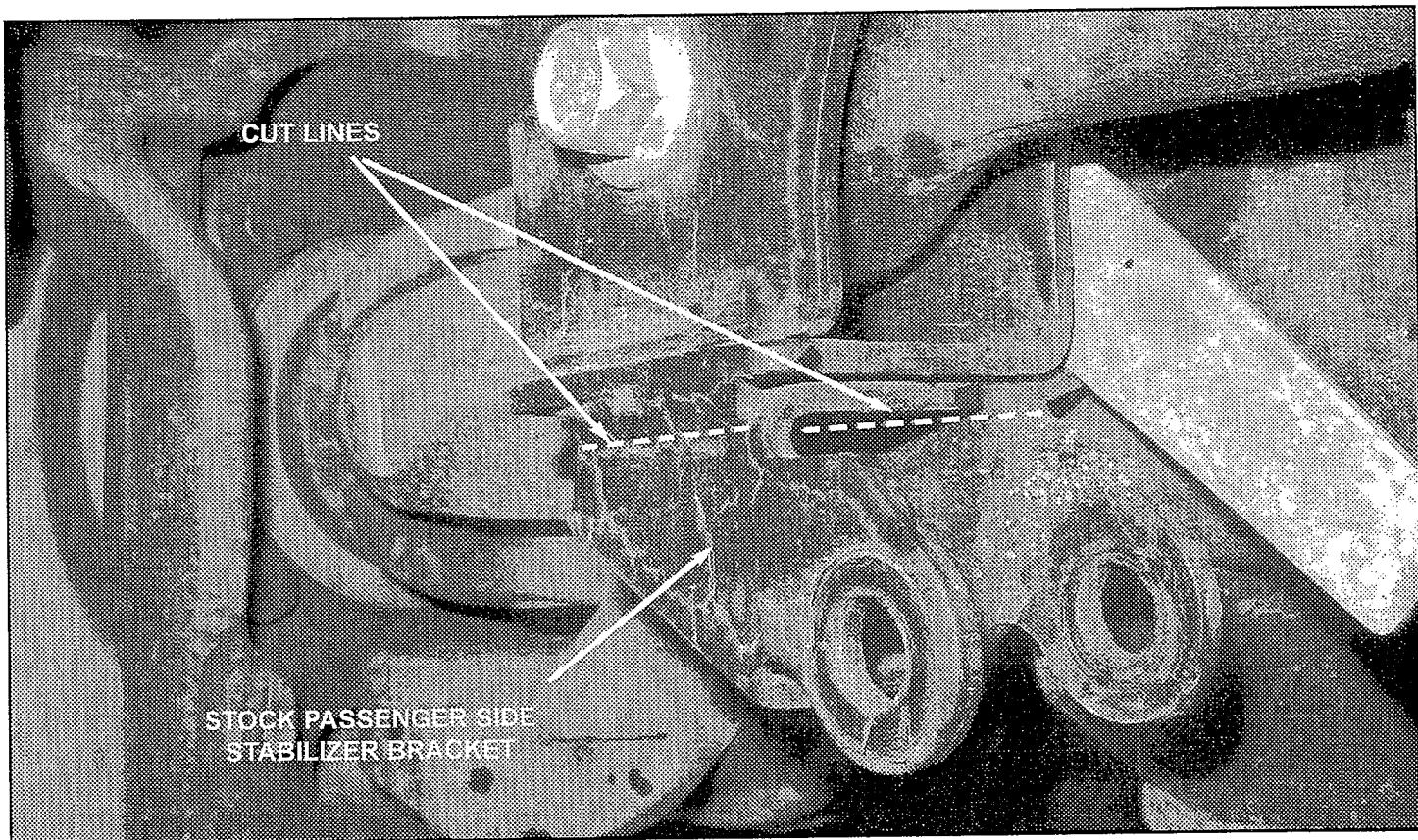


PHOTO # 1

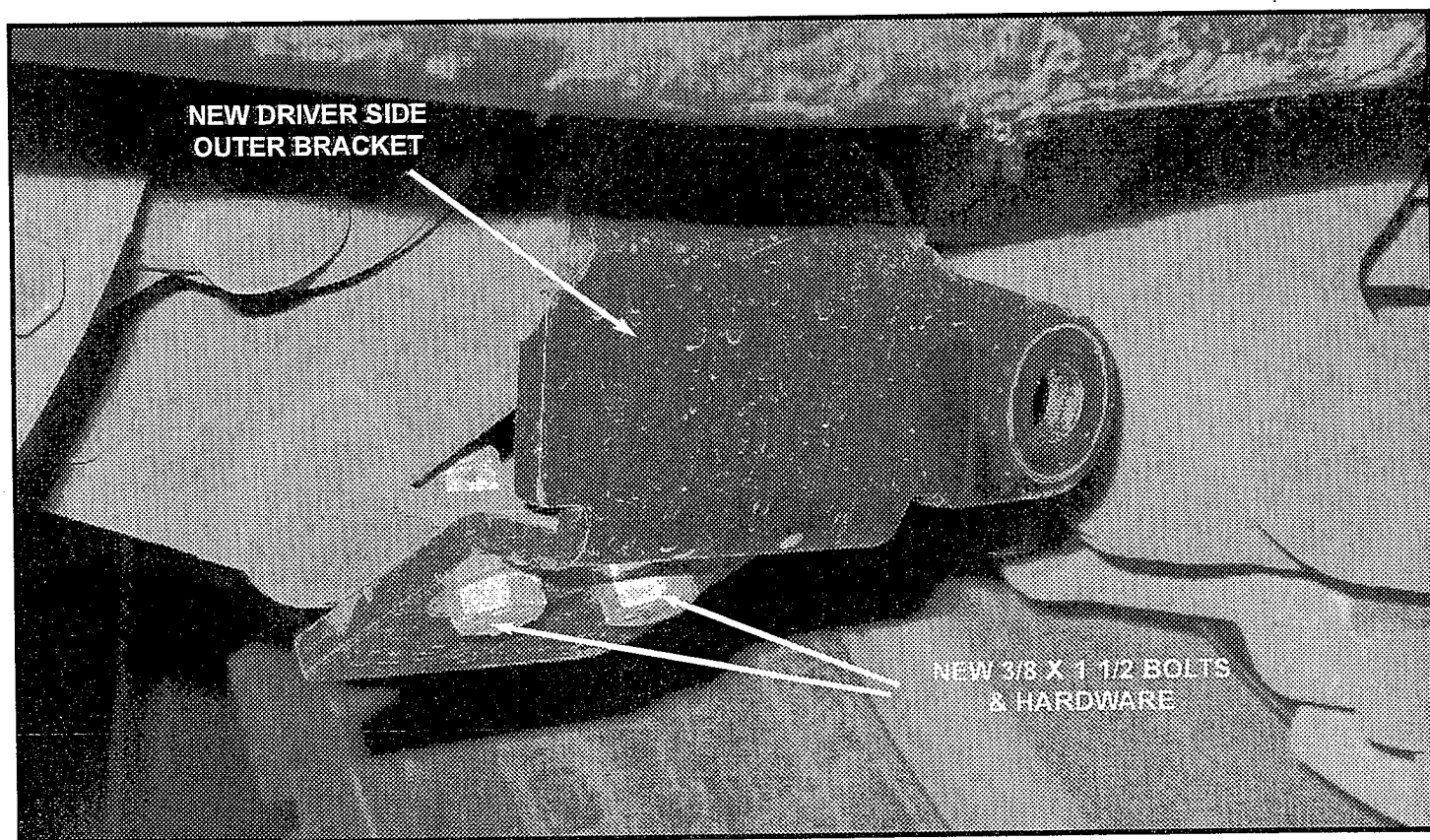


PHOTO # 2

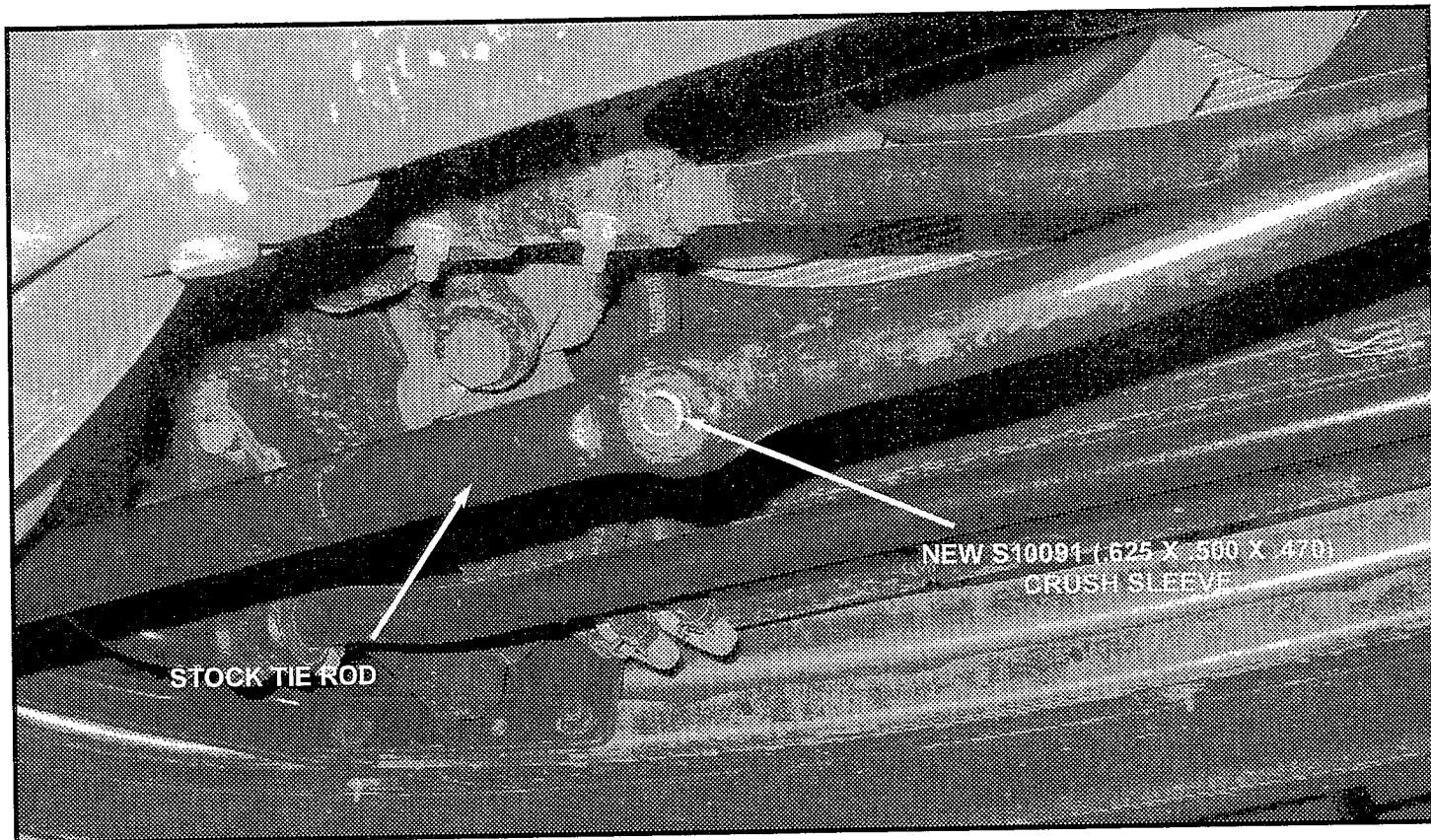


PHOTO # 3

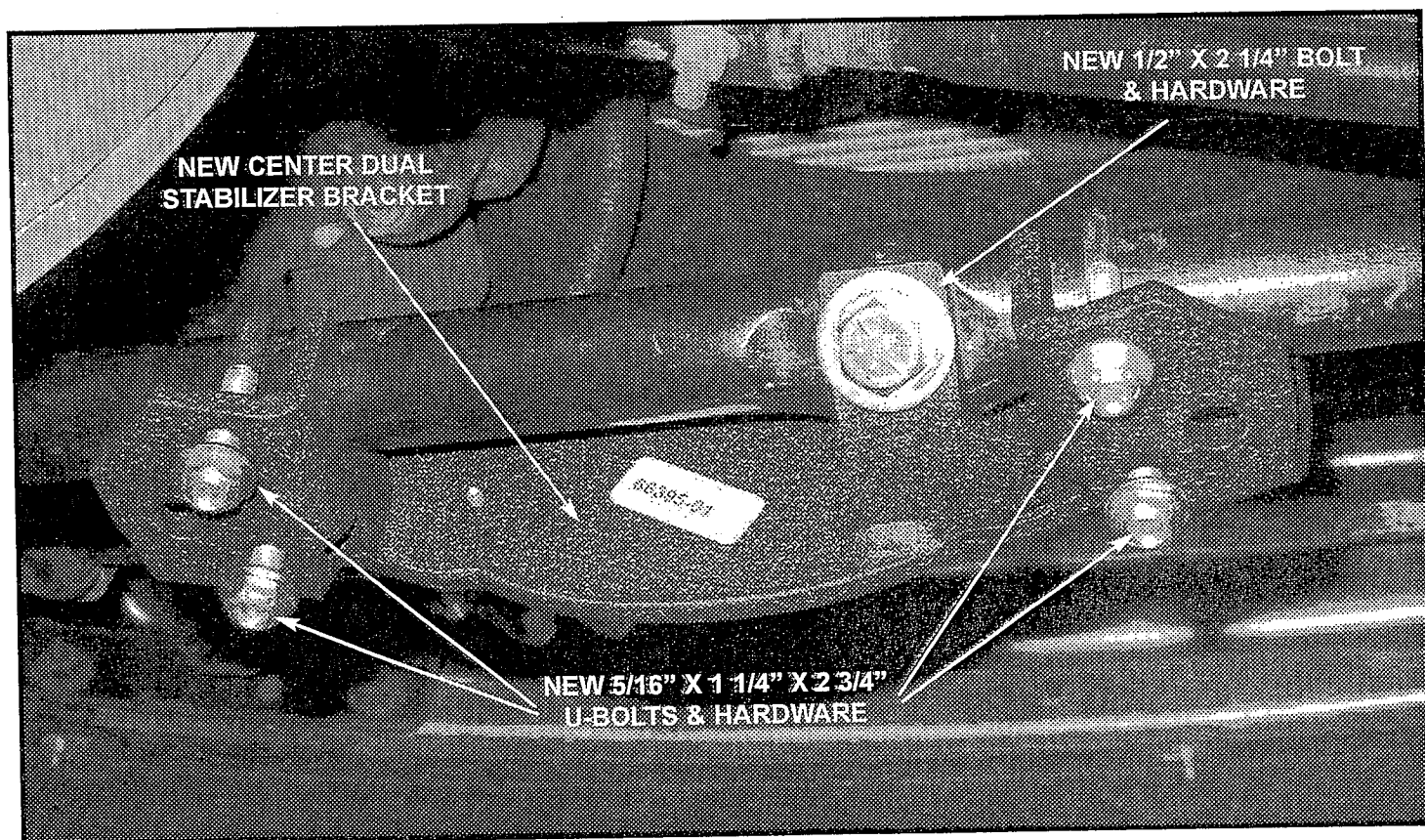


PHOTO # 4

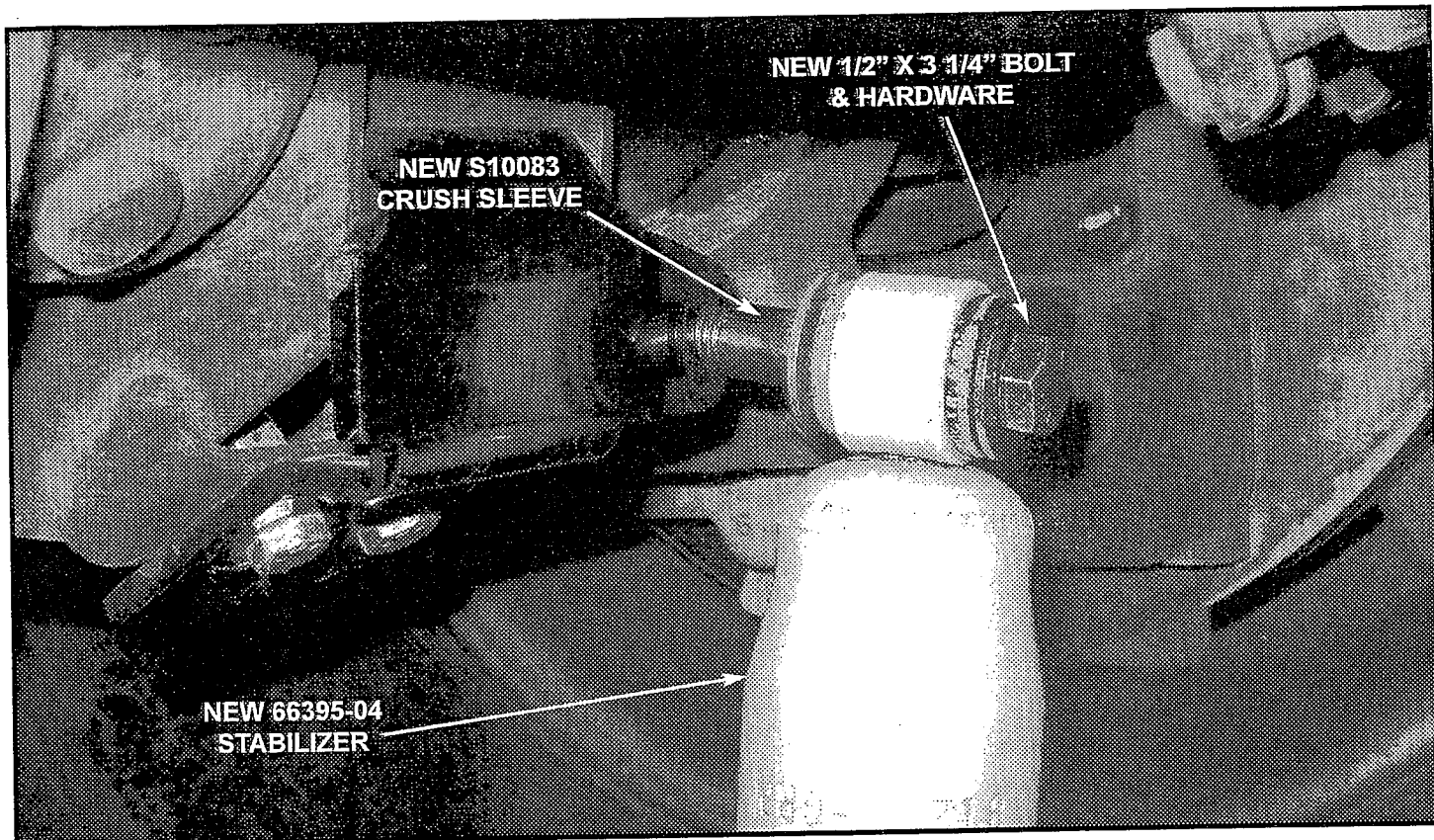


PHOTO # 5

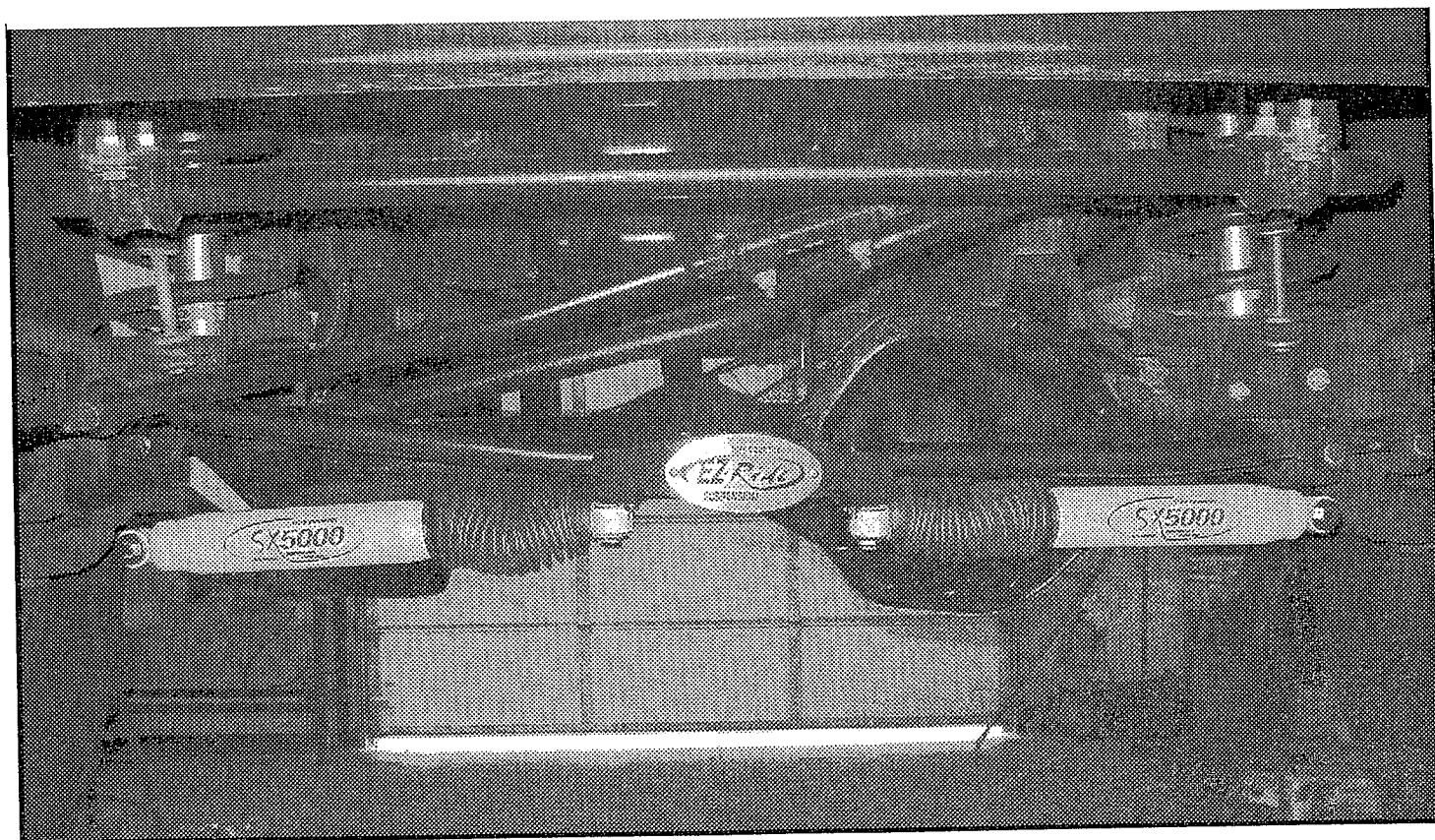


PHOTO # 6