

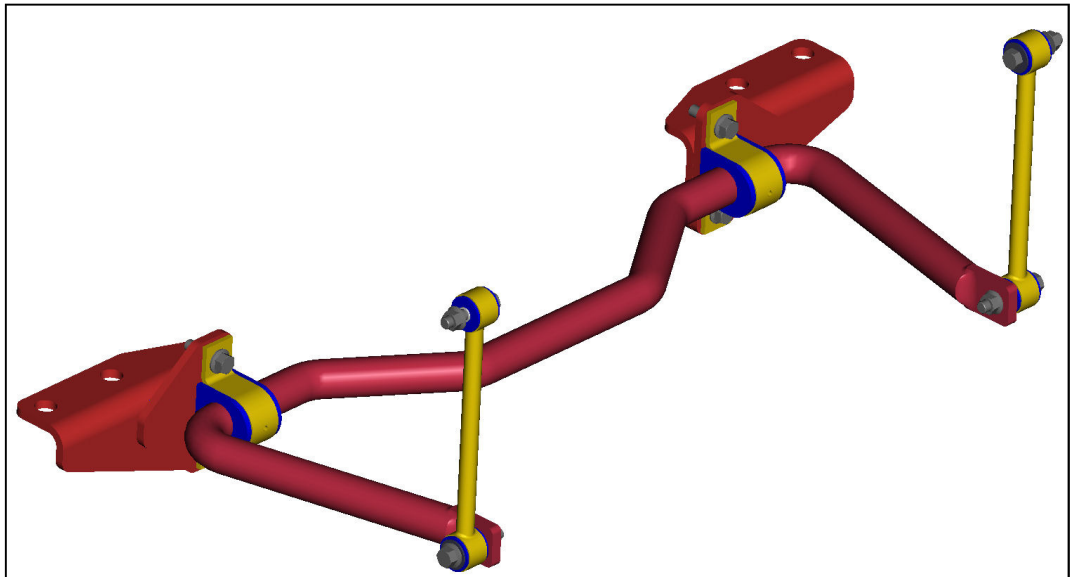
OWNERS MANUAL



GM C4500/C5500 4X2 REAR STABILIZER BAR KIT 2006-NEWER MODELS

For Installation with 8M000090 and 8M000105
UltraRide Suspension

Link Kit Part Number: 800M1051



Questions? Contact this Professional Installer :

Company : _____

Phone : _____

Installer : _____ Date : _____

1. INTRODUCTION

NOTE: It is important that the entire installation instructions be read thoroughly before proceeding with suspension installation.



WARNING! A correct installation must result in the suspension and axle being “loaded” within the range specified by axle and suspension manufacturers. Please check vehicle specifications and intended usage to insure axle will be within Gross Axle Weight Rating (GAWR). No alteration of any suspension component is permitted. Link Mfg. Is not responsible for damages from improper installation or operations beyond design capability. Link Mfg. In its sole discretion shall determine whether or not any product is defective or otherwise covered by warranty.

PRODUCT INSTALLER RESPONSIBILITIES

- ❑ Installer is responsible for installing the product in accordance with Link Mfg. specifications and installation instructions.
- ❑ Installer is responsible for providing proper suspension to vehicle attachments.
- ❑ Installer is responsible for assuring necessary clearance for vehicle and suspension components, such as axle, wheels, tires, exhaust, and air springs to ensure safe operation.
- ❑ Installer is responsible for advising the owner of proper use, service and required maintenance, and for supplying maintenance and other instruction supplied by Link Mfg.

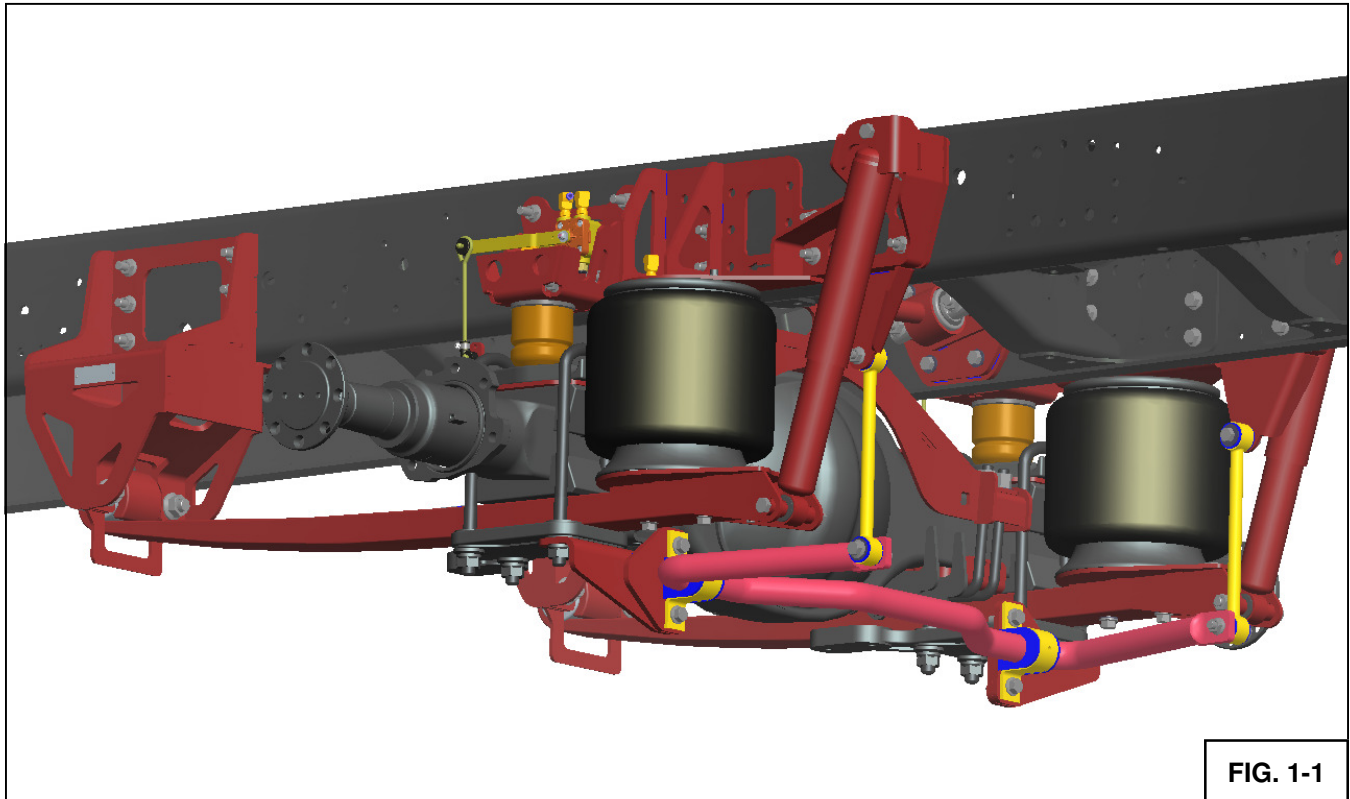
SAFETY SYMBOLS, TORQUE SYMBOL, and NOTES

	<p>This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.</p>		<p>The torque symbol alerts you to tighten fasteners to a specified torque value.</p>
<p>WARNING</p>	<p>WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</p>	<p>NOTE:</p>	<p>A Note provides information or suggestions that help you correctly perform a task.</p>
<p>CAUTION</p>	<p>CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.</p>		<p>The electrical symbol indicates the presence of electric shock hazards which, if not avoided, may result in injury to personnel or damage to equipment.</p>
<p>CAUTION</p>	<p>CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.</p>	<p>Proper tightening of U-Bolt nuts and mounting nuts are required for proper operation. Need for proper Torque value is indicated by wrench symbol and values will be found in Table 10-1 in the Final Assembly section of the instructions. Failure to maintain proper torque can cause component failure resulting in accident with consequent injury.</p>	

INSTALLATION NOTES:

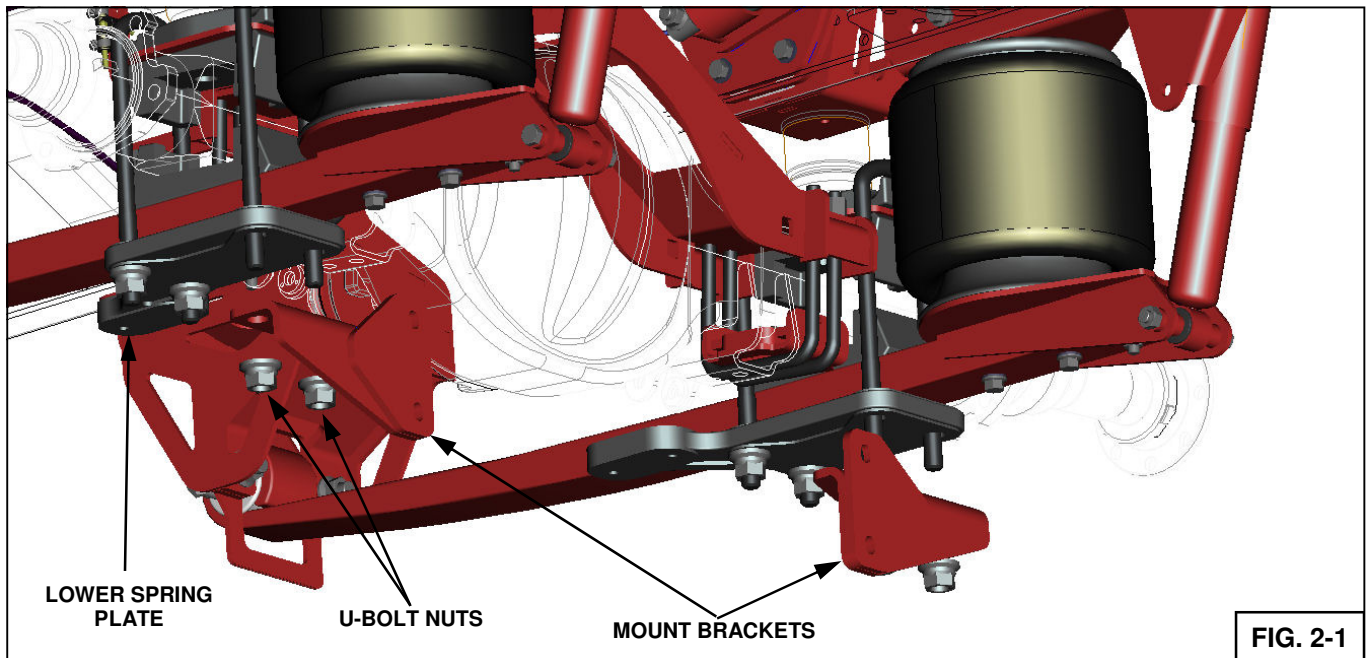
NOTE: Parts of the Rear Stabilizer Bar Kit need to be installed before the suspension is completely installed. Therefore, it is important that the entire installation instructions, for both this Stabilizer Bar Kit and full Suspension Installation Instructions, be read thoroughly before proceeding with suspension installation.

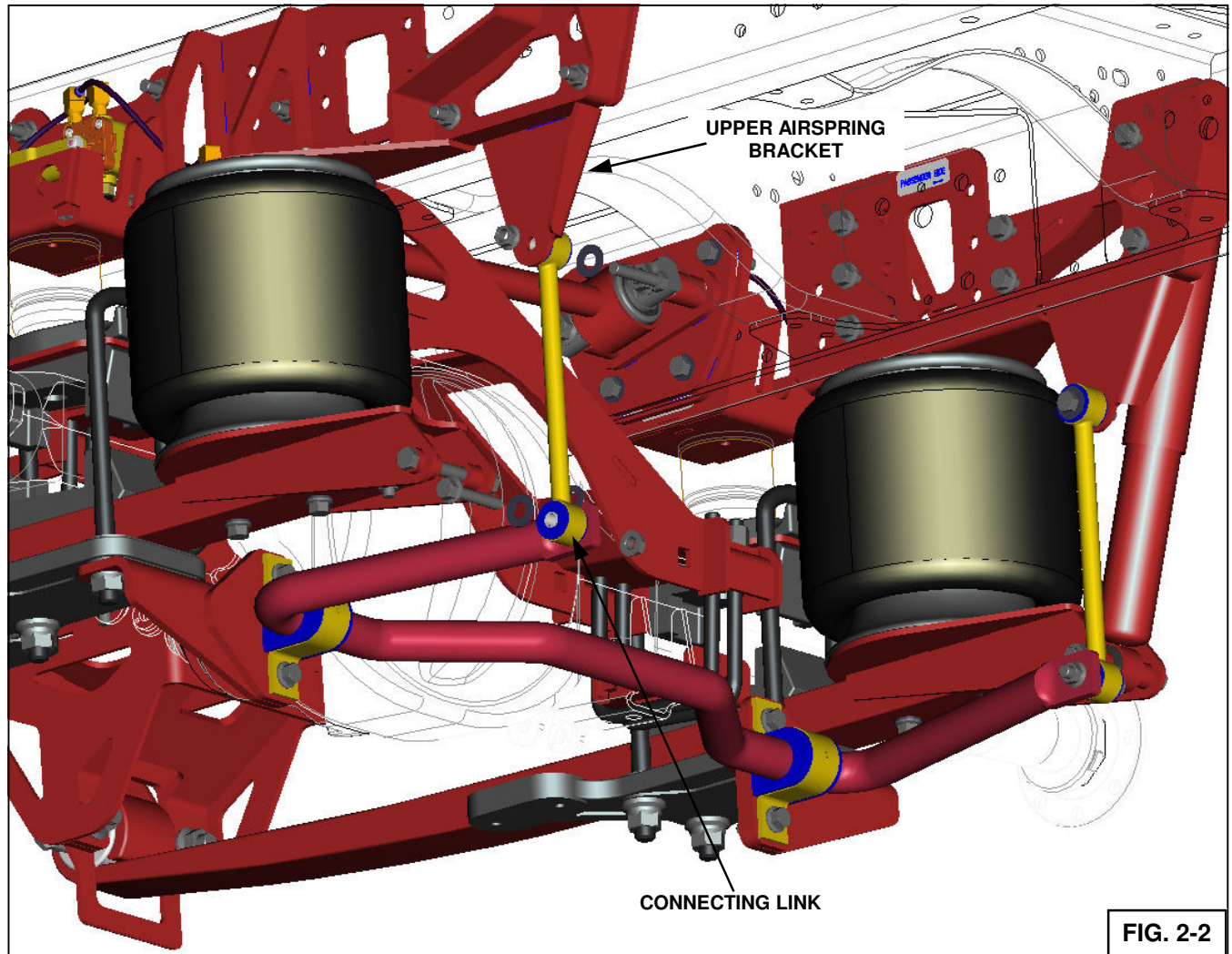
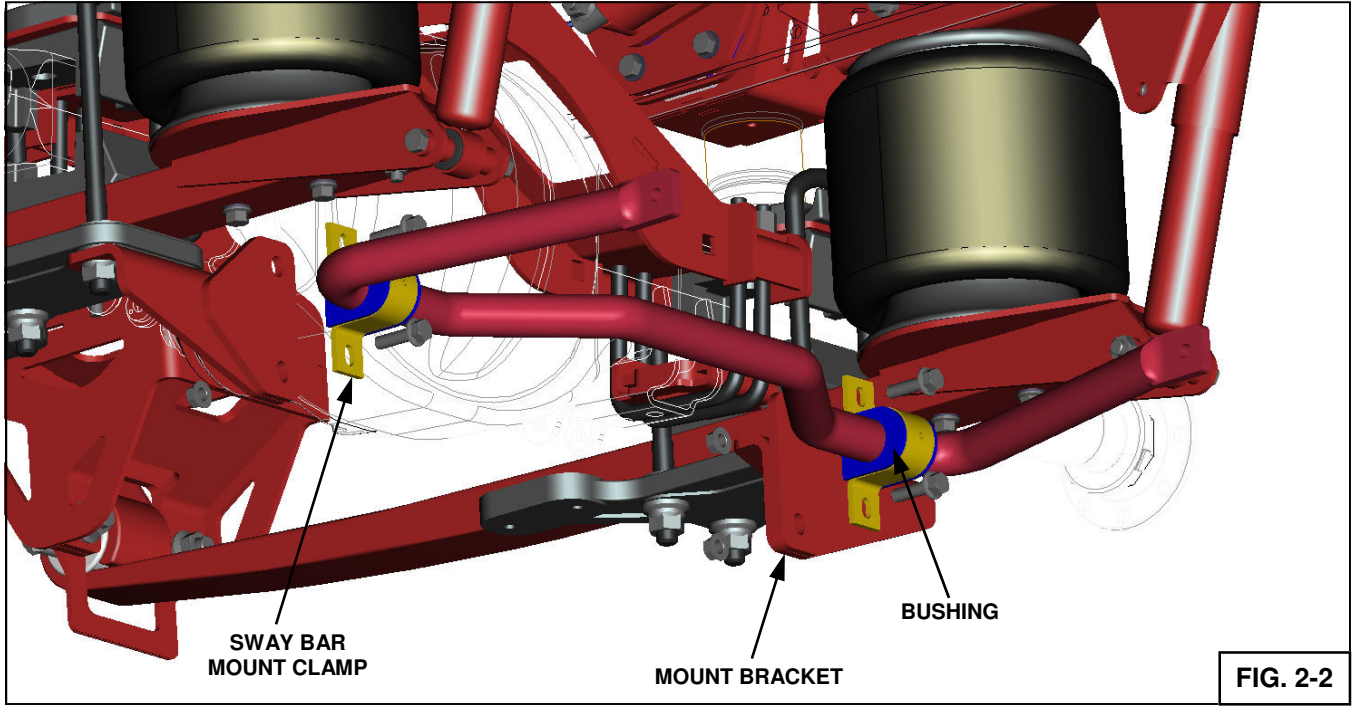
- ❑ Proper tightening of U-Bolt nuts and frame mounting nuts is required for proper operation. Critical torque values are indicated by a wrench symbol. Required torque values are located Torque Table in section 3. Failure to maintain proper torque may cause component failure and may result in accident with consequent injury. Proper torque and tightening sequence are addressed in the full Suspension Installation Instructions.
- ❑ When installing the UltraRide suspension on the GM chassis, please reference the appropriate sections of the GM Service Manual for additional requirements.



2. INSTALLATION





1. Review Figures in Section 2 and Parts List/Drawing (Section 4) to acquaint yourself with the various parts of the UltraRide Rear Stabilizer Bar Kit. Assemble components loosely as described below and torque later in Section 3.
2. Follow suspension Installation Instructions until directed to install sway bar mount brackets.
3. Assemble the MOUNT BRACKETS up to LOWER SPRING PLATE and loosely install U-BOLT NUTS. The U-BOLTS will be torqued later in the suspension installation. See Fig. 2-1 for details.
4. Refer back to suspension Installation Instructions to complete suspension installation. Then refer back to these instructions to complete the Rear Stabilizer Bar Kit installation.
5. Pre-Assemble the BUSHINGS and the SWAY BAR MOUNT CLAMP to the STABILIZER BAR.
6. Loosely fasten the SWAY BAR MOUNT CLAMPS to the MOUNT BRACKETS using (4) 1/2 X 1 3/4 UNC FLANGE BOLTS and (4) 1/2 UNC TOP LOCK NUTS. See Fig 2-2 for details.
7. Loosely assemble the CONNECTING LINKS to the UPPER AIRSPRING BRACKETS using (2) 1/2 X 2 1/2 UNC HEX CAP SCREWS, (2) 5/8 WASHERS, and (2) 1/2 UNC TOP LOCK NUTS. See Fig. 2-3 for details.
8. Lift the STABILIZER BAR to align with the CONNECTING LINKS and loosely fasten using (2) 1/2 X 2 3/4 UNC FLANGE BOLTS, (2) 5/8 WASHERS, (2) 1/2 WASHERS, and (2) 1/2 UNC TOP LOCK NUTS. See Fig. 2-3 for details.







3. COMPONENT TORQUING


See Torque Table for appropriate Torque values.

-  1. Torque U-BOLT NUTS per suspension Installation Instructions.
-  2. Torque (4) 1/2 UNC SWAY BAR MOUNT BRACKET nuts.
-  3. Torque the (2) 1/2 UNC NUTS that secure the CONNECTING LINKS to the UPPER AIRSPRING BRACKETS.
-  4. Torque the (2) 1/2 UNC NUTS that connect the STABILIZER BAR and the CONNECTING LINKS

 TORQUE TABLE 		
LOCATION	FASTENER	TORQUE
TRAILING ARM AXLE LOCATION	M20 FLANGE NUTS (U-BOLT)	SEE SUSPENSION INSTALLATION INSTRUCTIONS
SWAY BAR MOUNT BRACKET	1/2 UNC NUTS	100 FT-LBS
AIRSPRING BRACKET TO CONNECTING LINK	1/2 UNC NUTS	100 FT-LBS
STABILIZER BAR TO CONNECTING LINK	1/2 UNC NUTS	100 FT-LBS

4. OPERATION & MAINTENANCE

The UltraRide® Rear Stabilizer Kit needs no lubrication and little maintenance. The following components should be checked at the time the vehicle is being serviced. However, immediate corrective action should be taken if a serious malfunction occurs. See the Parts List Drawing on following page for details.

 **WARNING!** If maintenance or service is to be done on the air system, be sure to drain **all** air from system. Serious injury could occur if components are removed while system is full of air.

PRODUCT OWNER RESPONSIBILITIES

- Owner is solely responsible for pre-operation inspection, periodic inspections, maintenance, and use of the product as specified in the particular LINK MFG. instructions available by product model, except as provided in this warranty, and for maintenance of other vehicle components. Of particular importance is the re-torque of fasteners including axle u-bolts, torque rod bolts and track rod bolts. This re-torque must be performed within 90 days of the suspension being put in service.
- Owner is responsible for “down time” expenses, cargo damage, and all business costs and losses resulting from a warrantable failure.
- The UltraRide® Chassis Air Suspension is fully automatic in controlling the height of the chassis. No manual intervention to control air pressure or ride height is needed during the course of operation.

CHECK AFTER THE FIRST 1000 MILES:

- Recheck & tighten any loose fasteners.
- Check for any loose or worn components.

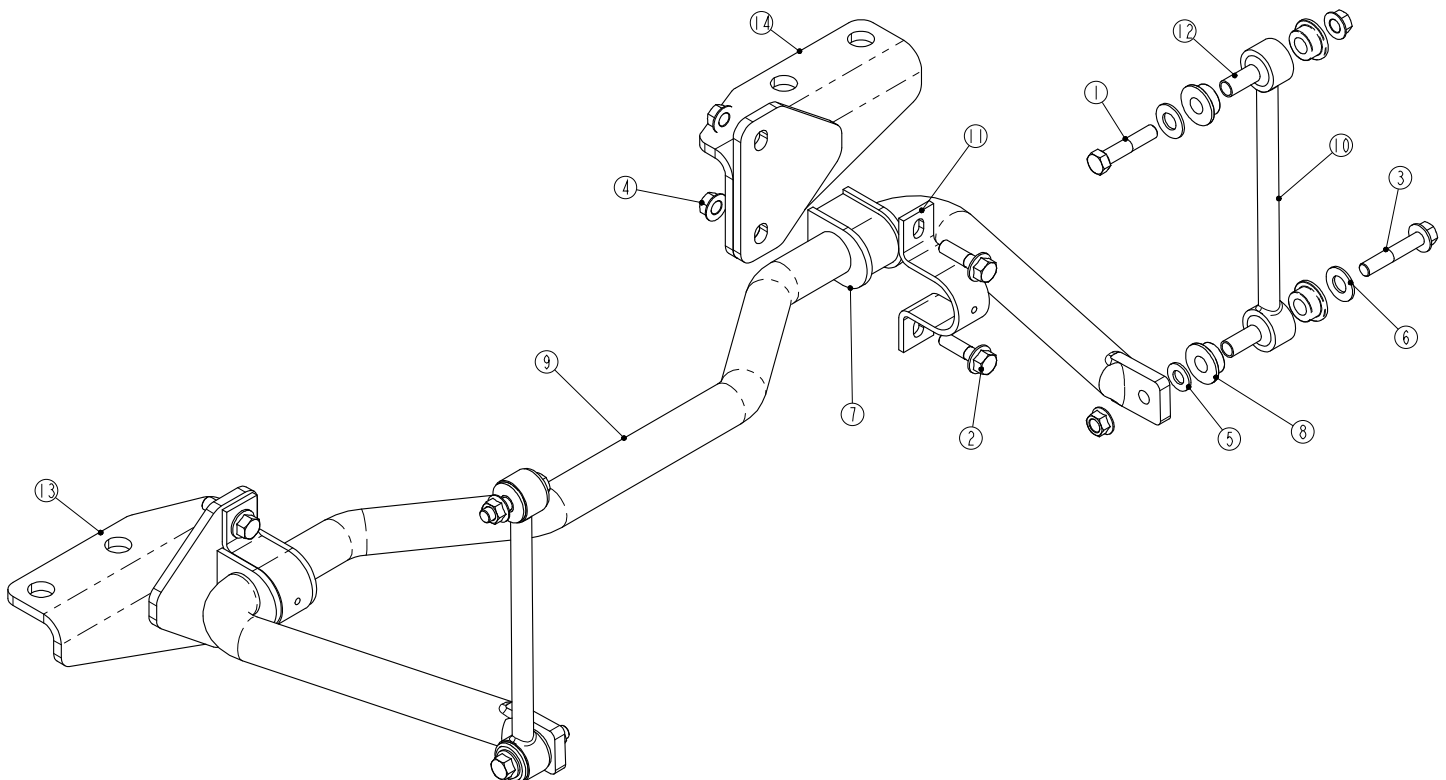
CHECK AFTER EVERY 30,000 MILES:

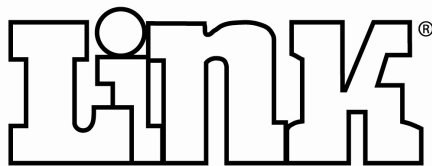
- Check stabilizer bar pivot bushings and connecting link bushings for wear; replace if worn.

***UltraRide* – GM C4500/C5500**

REAR STABILIZER BAR KIT

ITEM	PART NO.	DESCRIPTION	QTY
1	1402-1620	1/2 X 2 1/2 UNC HEX CAP SCR (GR 8)	2
2	1411-1614	1/2 X 1 3/4 UNC FLANGE BOLT (GRADE 8)	4
3	141A-1622	1/2 X 2 3/4 UNC FLANGE BOLT (GR 8)	2
4	1480-1604	1/2 UNC TOP LOCK FL NUT 9GR G) O&P	8
5	1488-1602	1/2 SAE HARDENED WASHER	2
6	1488-2003	5/8 SAE PLAIN WASHER, OIL & PHOS	4
7	15000926	BUSHING-SWAY BAR, POLYURETHANE	2
8	15000927	BUSHING	8
9	80001950	SWAY BAR	1
10	80001951	LINK-CONNECTING	2
11	80001952	CLAMP-MOUNT, SWAY BAR	2
12	80001953	TUBE-BUSHING	4
13	800M1055	BRACKET-MOUNT, SWAY BAR	1
14	800M1056	BRACKET-MOUNT, SWAY BAR	1





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