

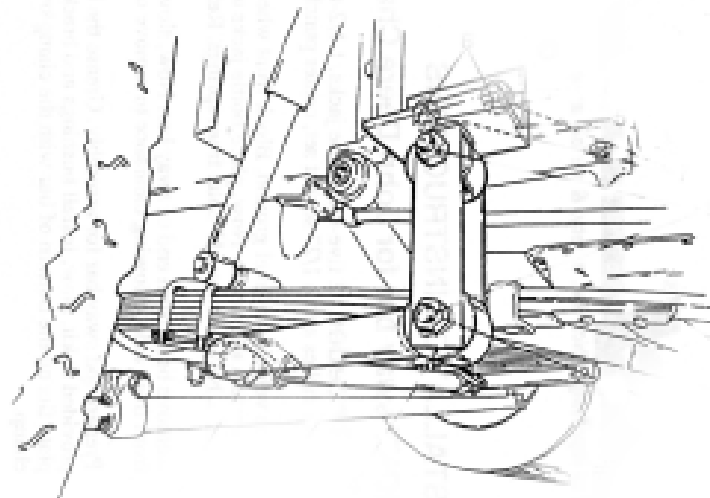


# Installation Instructions

Thank you for purchasing this anti-sway bar kit. Please read through these

## Front Anti-Sway Bar for the John Deere Chassis 1986-88

part #1169-144



### INTRODUCTION

Thank you for purchasing this anti-sway bar kit. This kit is designed to improve the handling characteristics of your motorhome by reducing the body roll and balancing the weight transfer during cornering. The anti-sway bar kit is engineered for long life and trouble-free performance. For maximum suspension control, use this kit along with our rear anti-sway bar kit.

All the hardware needed for installation is included in this kit. Refer to the PARTS LIST in these instructions to identify the parts.

### SUGGESTED TOOLS

The following tools are suggested to complete the installation procedures:

- 1/2" socket set
- 2 five ton bottle jacks
- Center punch
- 1 Half-ton floor jack (if available)
- Open and closed hand wrenches
- 1/2" drill with 1/2" and 1/4" drill bits

### **⚠ WARNING**

- If raising the vehicle to install the anti-sway bar, always support the vehicle with jack stands at both frame rails or at the rear axle before working underneath. Ensure that the jack stands are securely positioned, and are rated at or above the weight of the vehicle.
- The installer must read the instructions and use all bolts and parts supplied. Use only the parts supplied by ROADMASTER to install this kit.
- Minor modifications are sometimes necessary due to slight vehicle variations, even for the same year, make and model.
- If running changes were made by the manufacturer after this kit was designed, there may be weldments, braces, gussets, or other structural items which interfere with the installation. It is the installer's responsibility to allow for these running changes without sacrificing the structural integrity of the anti-sway bar. Failure to securely fasten the anti-sway bar could result in property damage,

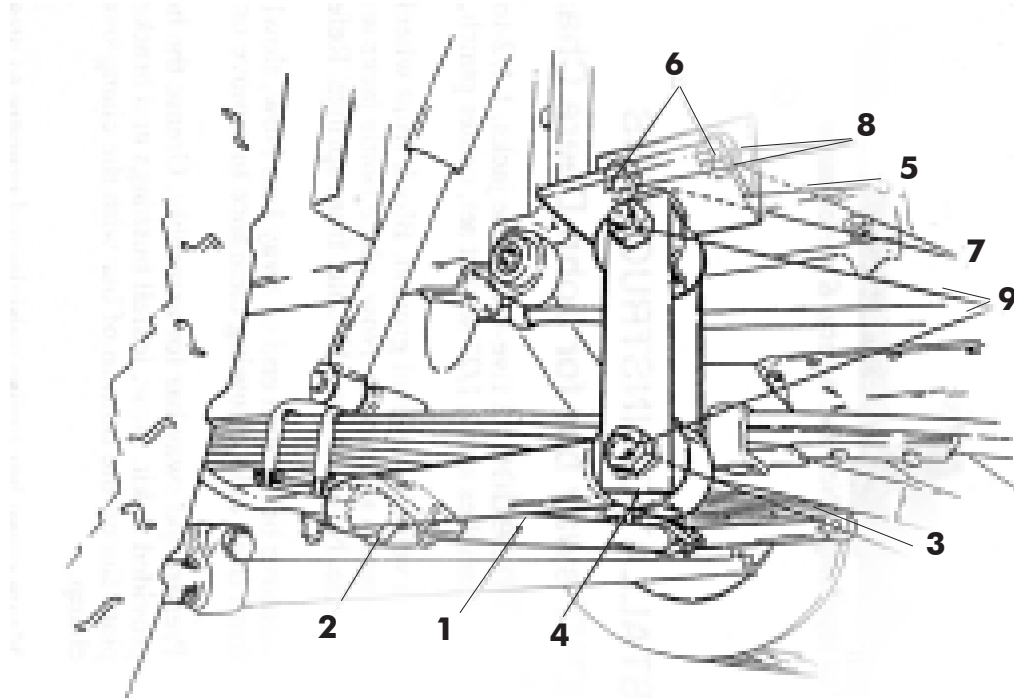
personal injury or even death.

- ROADMASTER will not be responsible for any damage or injury resulting from any modification or alteration.
- Check ALL the fasteners for tightness before and after road testing the vehicle.
- Do not use this document for custom fabrication, as it may not show all parts or structural components.
- Do not use an air impact wrench when re-installing bolts, as stripped threads may result.
- This anti-sway bar is only warranted for the original installation. Installing a used anti-sway bar on another vehicle is not recommended and will void the warranty.

### **⚠ WARNING**

Failure to follow these instructions can result in property damage, personal injury or even death.

# PARTS LIST



## Part #1169-144

Part #	Description	Qty	Part #	Description	Qty
1.	580055-00 Sway bar, 1- 5/8" diameter	1	7.	350259-00 Locknut, Nyloc, 1/2"	4
2.	205232-10 Polybushings, 1- 5/8" i.d.	2	8.	350308-20 Washer, 1/2" SAF	8
3.	205503-00 Sleeve, 1/15/16" x 11/16" i.d. x 1"o.d.		9.	350263-00 Locknut, Nyloc, 5/8"	4
4.			10.	400011-30 Aqualube Grease	1
4.	205202-10 Polybushings, 2- 3/8" x 1" i.d.		11.	205209-00 Poly bushing	4
4.					

# INSTALLATION

The following instructions must be followed in the order listed to ensure a proper installation and to preserve the **ROADMASTER** warranty.

1. Place the vehicle on level ground. Block the front wheels to prevent the vehicle from rolling. This is to help retain alignment. Now, place the bottle jacks under the front springs, just in front of the axle. Now, remove the U-bolts from the springs. Refer to Figure 1.
2. Remove the bolts from the end of the sway bar. Now, slowly raise the jacks, lifting the springs and the vehicle from the front axle, allowing clearance to remove the original sway bar.

## **WARNING**

Removing the bolts will release the anti-sway bar. The anti-sway bar is heavy, and may cause property damage or personal injury if it falls on equipment, engine components or any part of your body. Ensure that the anti-sway bar is supported and that you are out of the way when removing the bolts.

Failure to follow these instructions may cause property damage, personal injury or even death.

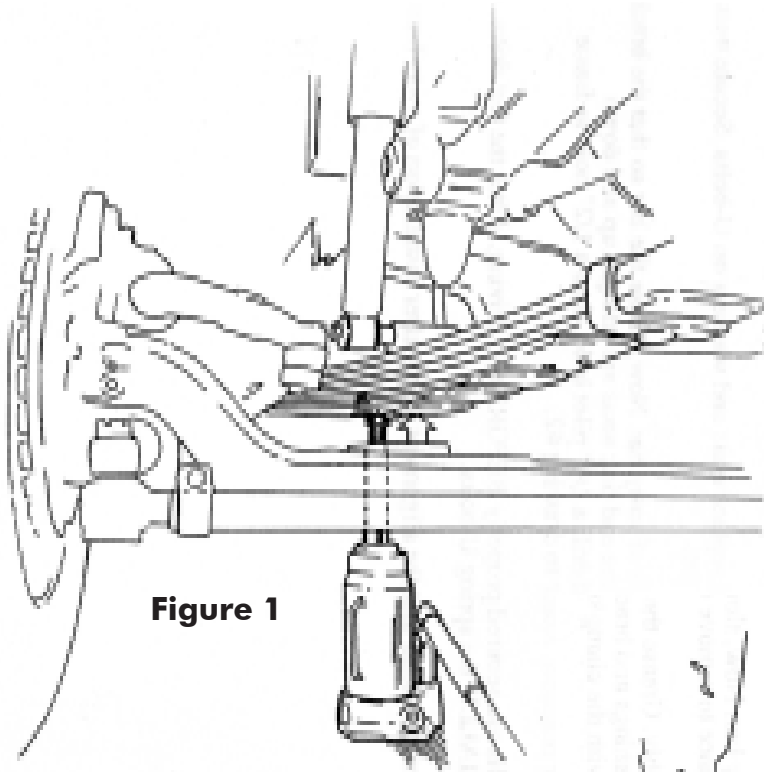
3. Prepare the anti-sway bar for assembly. Grease the hole in the poly-bushings with the grease provided in the kit. Now, install the bushings and brackets to the anti-sway bar. *Note:* the large plate fits on the bottom of the bar with the clamp over the bar. Use a 1/2" bolt at the end of the clamp.
4. Move the anti-sway bar under the vehicle and prepare to attach it to the axle. With help, raise the bar and slide the brackets in between the front axle and the springs. Make sure to align the centering pins from the springs to the axle. Now, lower the jacks slowly to set the spring on the sway bar brackets and front axle.
5. Replace the U-bolts over the springs and replace the units and washers on the U-bolts. Secure the nuts and bolts and tighten to 150 ft.lbs. torque.
6. Assemble the end link bracket to the ends of the anti-sway bar. Now, rotate the bar so that the brackets fit to the side of the frame rails. Make sure the endlink arms are straight up and down (vertical). Now, center punch and drill a 1/4" pilot hole, then a 1/2" hole in the frame for mounting the new brackets. Refer to Figure 2.
7. Make sure all the bolts are secured properly before test driving. After the test drive, recheck the bolts and especially the spring U-bolts.

Tech tip: We recommend that the alignment be set after the installation of the anti-sway bar.

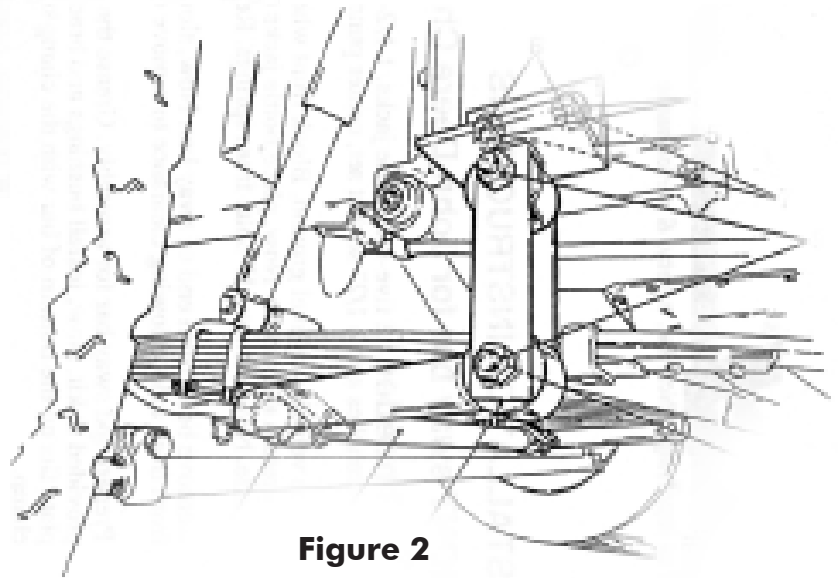
## **WARNING**

After road testing, re-check all fasteners for proper tightness — if a fastener has worked loose or fallen off, re-tighten or replace it. Without all kit components properly tightened or in place, the anti-sway bar will not stabilize the vehicle at full capacity, which may cause reduced cornering ability or other reductions in vehicle handling or performance.

Failure to follow these instructions may result in property damage, personal injury or even death.



**Figure 1**



**Figure 2**

## **WARNING**

### **The anti-sway bar is not a load-bearing component**

Do not tow or hoist the vehicle using the anti-sway bar or its mounting brackets as attachment points. The anti-sway bar is not designed to carry the weight of the vehicle and may collapse, which will damage the anti-sway bar components, the suspension, or other components. The vehicle will detach or fall, which may cause severe personal injury.

Failure to follow these instructions may result in property damage, personal injury or even death.