



# Installation Instructions

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

## Rear Anti-Sway Bar Kit for the Chevy Suburban (w/o O.E bar)

part #1109-144 1-1/8" diameter

### INTRODUCTION

Thank you for purchasing this sway bar kit. This kit is designed to improve the handling characteristics of your Suburban by reducing the body roll and balancing the weight transfer during cornering. The sway bar kit is engineered for long life and trouble-free performance.

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:

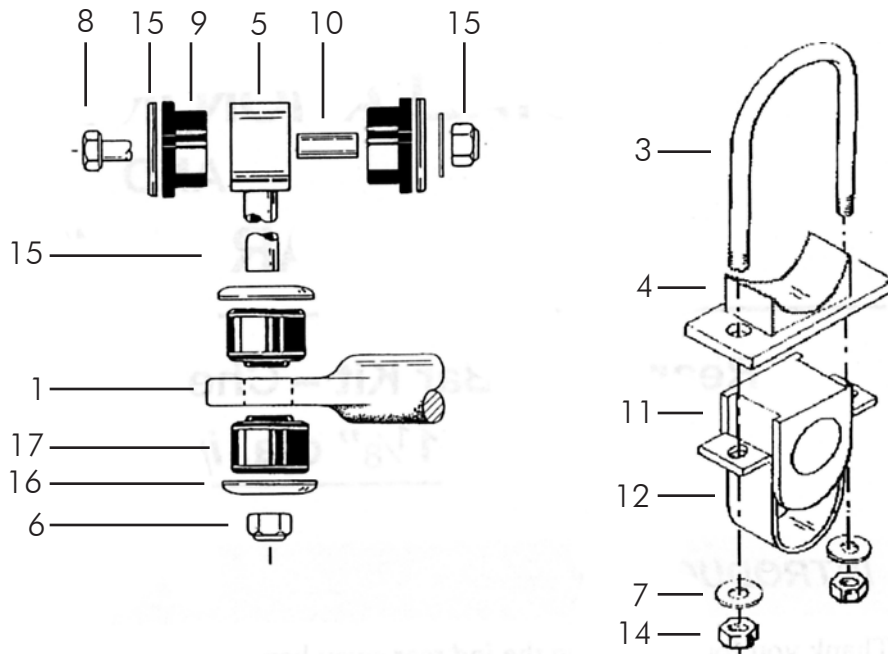
- 9/16" & 5/8" Sockets
- Rat-tail file
- Medium-size screwdriver
- Jack stands
- 9/16" & 5/8" Wrenches
- Floor jack

#### WARNING

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

- 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.
- Regardless of year, make and model, a wide range of options for specific applications may or may not interfere with the installation. It is the installer's responsibility to make certain that equipment is not damaged once the suspension solution travels through the full range of motion. Failure to ensure adequate clearance could result in non-warranty property damage, personal injury or even death.
- 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.

# PARTS LIST



## Part #1109-144

Part #	Description	Qty	Part #	Description	Qty
1. 580057-00	Sway bar, 1- 1/8" diameter	1	10. 205511-00	Sleeve	2
2. B225	Bracket, end-link	2	11. 205384-10	Bushing, poly	2
3. 357358-00	U-bolt, 2 1/2" NC	2	12. B171	Bracket, saddle	2
4. 40013	Axle clamp	2	13. 350055-00	3/8" x 1" NC Gd 5 cap screw	4
5. B226	Endlink	2	14. 350272-00	locknut, 3/8" NC	10
6. 350256-02	locknut, 7/16" NC	2	15. 205502-03	Spacer tube 4" long	2
7. 350304-80	Washers, 3/8" flat	16	16. 357434-00	Washer, cup	4
8. 350063-00	3/8" x 2 1/2" NC Gd5 cap screw	2	17. 205381-00	Grommet, poly	4
9. 205223-00	Bushings, Endlinks	4	18. 400011-30	Aqualube Grease	1

# INSTALLATION

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

## 1. Unload the suspension.

Before beginning this installation, unload the suspension to allow safe access to the underside of the vehicle. You can use a hoist or jack stands to accomplish this.

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

## 2. Put the jack stands under the axle.

Place the jack stands under the rear axle housing. Lower the axle onto the jack stands. Push the side of the body to make sure that the vehicle is stable.

## 3. Attach the endlink brackets to the frame rails.

Gather the brackets and the attaching hardware. Attach the endlink brackets to the frame rail using the 3/8" bolts in the existing holes (Figure 1). Install with the tabs of the bracket towards the front of the vehicle. Start with the bolt and a large washer, inserted from the underside of the frame rail. Secure with the washer and locknut from above. Torque to 32 ft.-lbs.

## 4. Assemble the endlinks.

Refer to the parts list drawing for assembly order.

## 5. Repeat the above step for the other endlink.

DO NOT TIGHTEN the bolts at this time. Allow links to swing freely under the vehicle.

## 6. Assemble the axle clamps.

Put the U-bolts over the axle near the bushings on the sway bar. DO NOT put the U-bolt over the brake line.

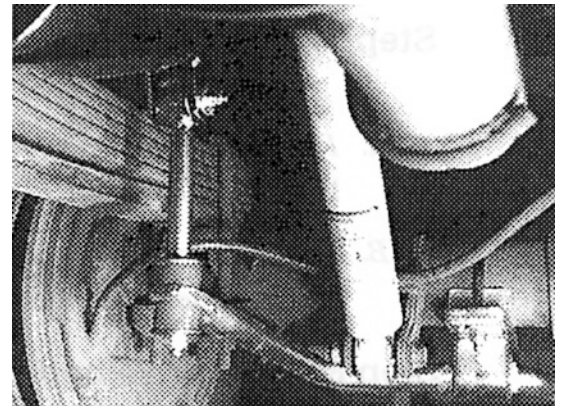
## WARNING

DO NOT put the U-bolts over the brake line. Also DO NOT kink brake line. If brake line is clamped, or kinked, the vehicle brakes may fail. Failure to follow these instructions can result in property damage, personal injury or even death.

## 7. Slide the cast brackets onto the U-bolts.

Hint: two large rubber bands may be helpful to hold the axle clamp assemblies together while putting the anti-sway bar in place.

Figure 1



# INSTALLATION

## 8. Prepare the anti-sway bar for installation.

Lubricate the inside of the U-clamp bushings as shown with the grease provided (Figure 2).

## 9. Put the bushings over the bar (Figure 4).

## 10. Push the U-clamps over the bushings as shown in the parts list drawing.

## 11. Lift the anti-sway bar into place.

## 12. Put the U-bolt ends through the U-clamps.

## 13. Start the nuts onto the U-bolts.

Do not tighten the nuts yet. Remove the rubber bands, if used.

## 14. Attach the anti-sway bar to the endlinks.

## 15. Tighten the fasteners, beginning with the endlinks.

Do not over tighten the sway bar grommets (Figure 3).

## 16. Tighten the U-clamp nuts.

Torque the axle U-bolt locknuts to 30 ft.-lbs.

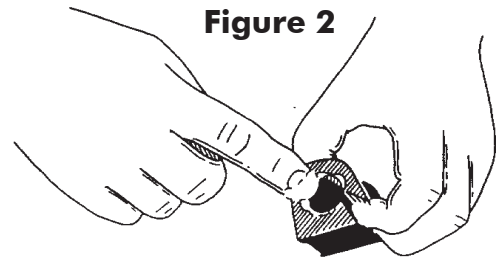


Figure 2

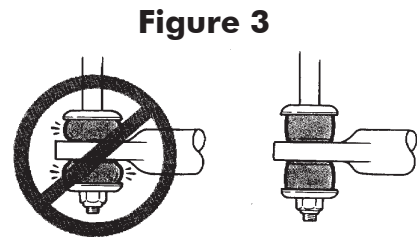


Figure 3

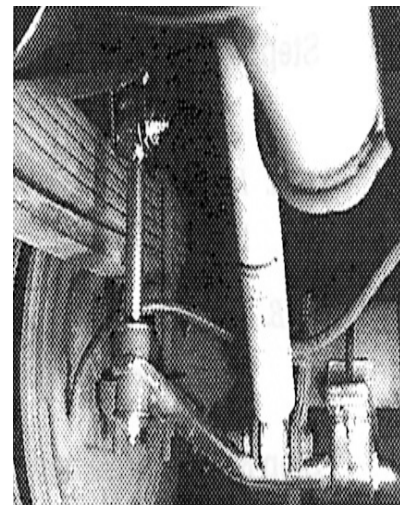
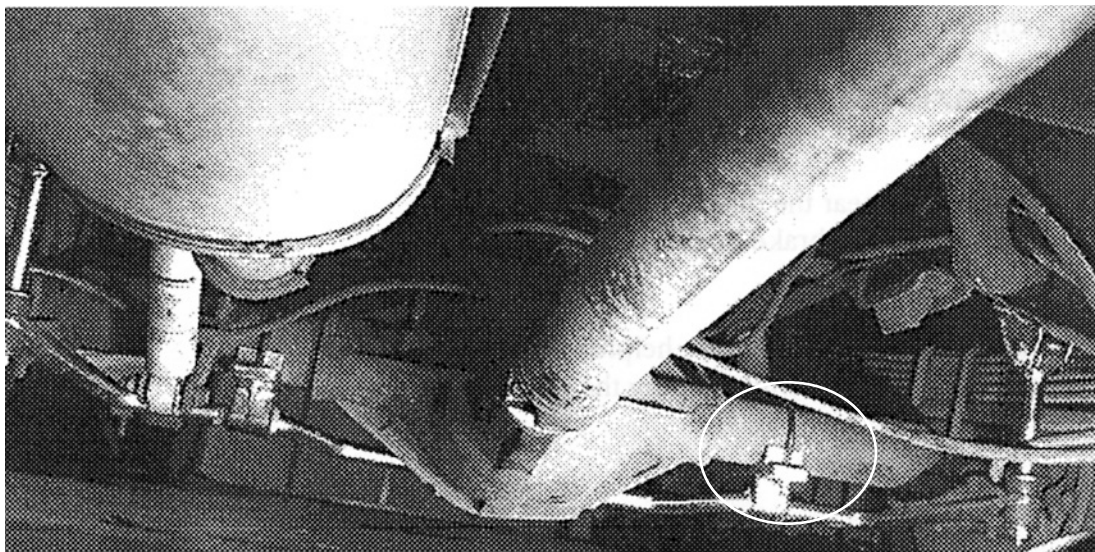


Figure 4



## 17. Test drive and re-check all fasteners.

### **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.

### **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.

### **BOLT TORQUE REQUIREMENTS**

STANDARD BOLTS			U-BOLTS	
Thread	Grade	Torque	Thread	Torque
3/8.....	5.....	30 lb-ft	3/8-24 .....	35 lb-ft
7/16.....	5.....	50 lb-ft	1/2-20 .....	70 lb-ft
1/2.....	5.....	75 lb-ft	5/8-18 .....	140 lb-ft
5/8.....	5.....	140 lb-ft	3/4-16 .....	250 lb-ft
			7/8-14 .....	400 lb-ft

**Note:** Endlink bolts use grommets and should NOT be torqued. Tighten these bolts by hand until the grommet starts to deform. Also, these torque values are intended as general guidelines. Roadmaster does not warrant this information to be accurate for all applications and disclaims all liability for any claims or damages which may result from its use.