



Installation Instructions

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

Rear Anti-Sway Bar Kit for Dodge 3500 Dually

part #1129-144
1-3/8" diameter



INTRODUCTION

Thank you for purchasing this rear anti-sway bar kit. This kit is designed to improve the handling characteristics of your vehicle 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 front 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:

- General Hand Tools
- Torque wrench

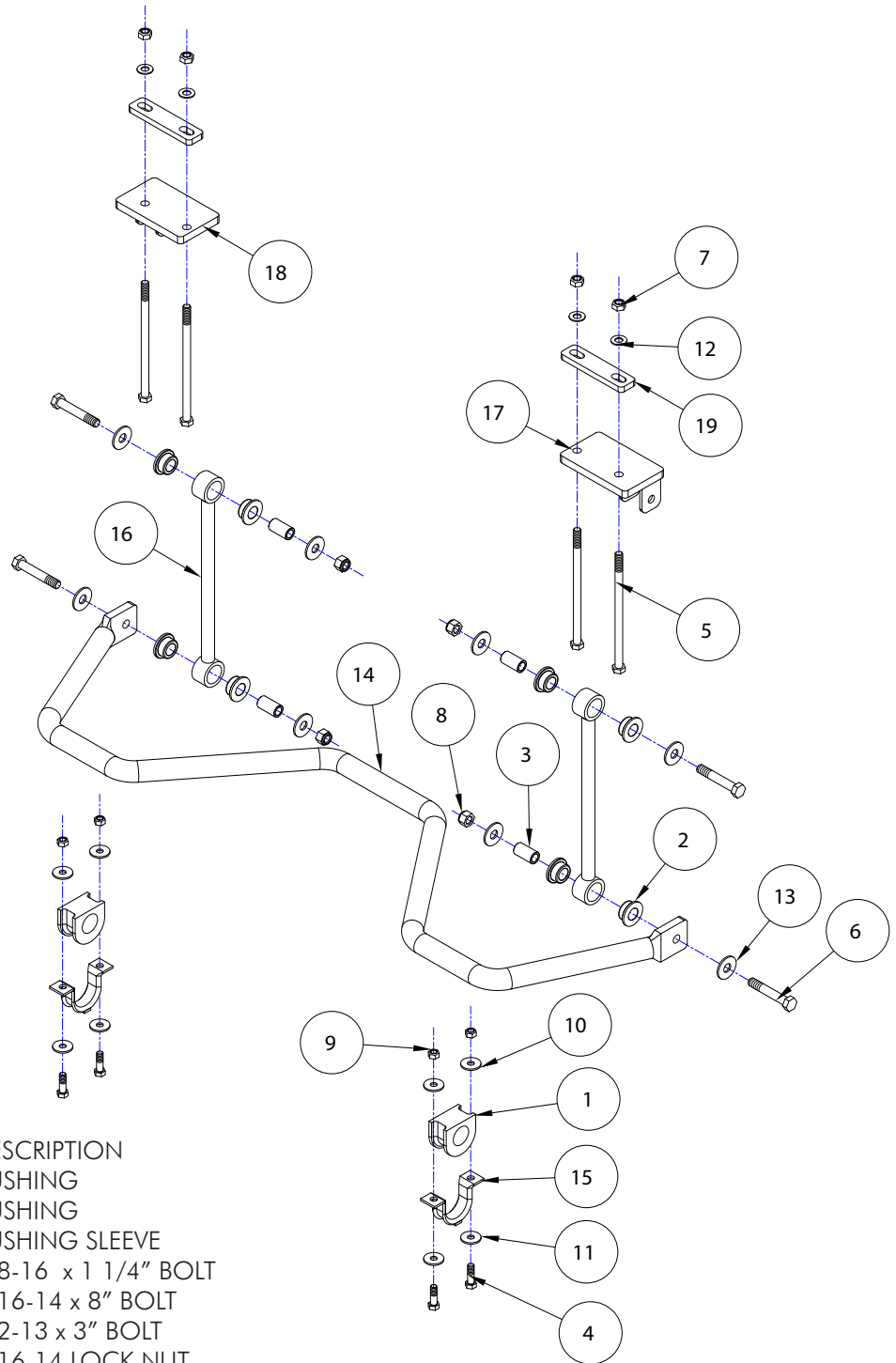
⚠ WARNING

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.

Part #
1129-144



ITEM	QTY	PART #	DESCRIPTION
1.....	2	205214-10.....	BUSHING
2.....	8	205223-50.....	BUSHING
3.....	4	205522-00.....	BUSHING SLEEVE
4.....	4	350056-00.....	3/8-16 x 1 1/4" BOLT
5.....	4	350089-00.....	7/16-14 x 8" BOLT
6.....	4	350706-00.....	1/2-13 x 3" BOLT
7.....	4	350256-02.....	7/16-14 LOCK NUT
8.....	4	350259-00.....	1/2-13 NYLON INSERT LOCK NUT
9.....	4	350272-00.....	3/8-16 LOCK NUT
10.....	4	350304-30.....	3/8" FLAT WASHER
11.....	4	350304-80.....	3/8" HARDENED WASHER
12.....	4	350306-00.....	7/16" FLAT WASHER
13.....	8	350308-00.....	1/2" CUT WASHER
14.....	1	580526-00.....	ANTI-SWAY BAR
15.....	2	B142	BUSHING CLAMP
16.....	2	B553	END LINK
17.....	1	B731	FRAME BRACKET
18.....	1	B732	FRAME BRACKET
19.....	2	B916	FRAME PLATE
20.....	1	400011-30.....	AQUALUBE

INSTALLATION

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

⚠ WARNING

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 brackets.

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

1) Lift and safely support the vehicle. The suspension must remain loaded for easy installation.

2) Install the Roadmaster anti-sway bar:

a. Slide the Roadmaster anti-sway bar into place between the leaf springs and the body, and let it rest on the leaf springs for now.

b. Lubricate the clamp bushings with the supplied lubricant (Figure 1) and slip the bushings over the anti-sway bar.

c. Put the bushing clamps over the bushings and bolt them into place using the supplied 3/8" bolts and included 3/8" hardened washers. Apply medium- or high-strength threadlocker to the bolts and torque them to 40 ft-lbs. (Figure 2).

2) Attach the frame brackets.

a. Loosely assemble the frame brackets over the bed rail, to the rearmost part of the vehicle. Place the long bolts with washers through the lower axle bracket. Place the upper frame bracket on top of the frame rail. Guide the bolts through the upper plate and install the washers and nuts (Figure 3). *Note: due to manufacturing variances, it may be necessary to swap the left and right frame brackets so the end links hang vertical to the frame.*

3) Assemble and attach the endlinks.

a. Loosely assemble the endlinks. On each side, attach the endlink to the frame bracket using the supplied 1/2" x 3" bolt and flat washer and bolting through the bushing toward the inside of the vehicle (Figure 3).

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Figure 1

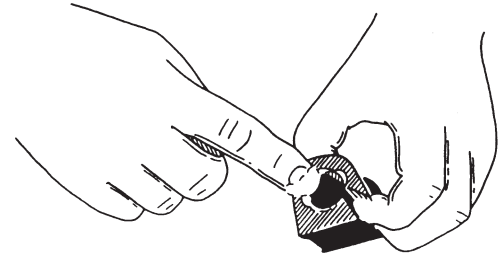


Figure 2



Figure 3



INSTALLATION

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

Figure 4

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- 4) Attach the anti-sway bar to the endlinks.
 - a. Loosely attach the anti-sway bar to the endlinks, adjusting the location of the frame brackets equally on each side until the endlink arms are as perpendicular to the ground as possible. The ideal installation situates the bottom of the endlink slightly more rearward than the top of the endlink. On each side, attach the endlink to the anti-sway bar using the supplied 1/2" x 3" bolt and 1/2" flat washer and bolt through the bushing toward the inside of the vehicle. Finish with a 1/2" locknut (Figure 4).
- 5) Tighten the bolts.
 - a. Beginning with the frame bracket bolts, torque the bolts to 40-50 lb-ft. The top endlink bolts and then the bottom endlink bolts should then be tightened so they don't move but you should still be able to spin the grommet after the final tightening. *Note:* do not tighten the endlink bolts to where the grommets are compressed.
- 6) Road test and re-check fittings.

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.