



Installation Instructions

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

Rear Anti-Sway Bar Kit for Freightliner M2

part #1209-144

1 $\frac{3}{4}$ " diameter

Before you begin, inspect the vehicle's U-bolts that will be reused in the installation of this kit. Consider replacing them if they are rusty or show other signs of structural wear.



INTRODUCTION

Thank you for purchasing this anti-sway bar kit. This kit is designed to improve the handling characteristics of your Freightliner M2 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.

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

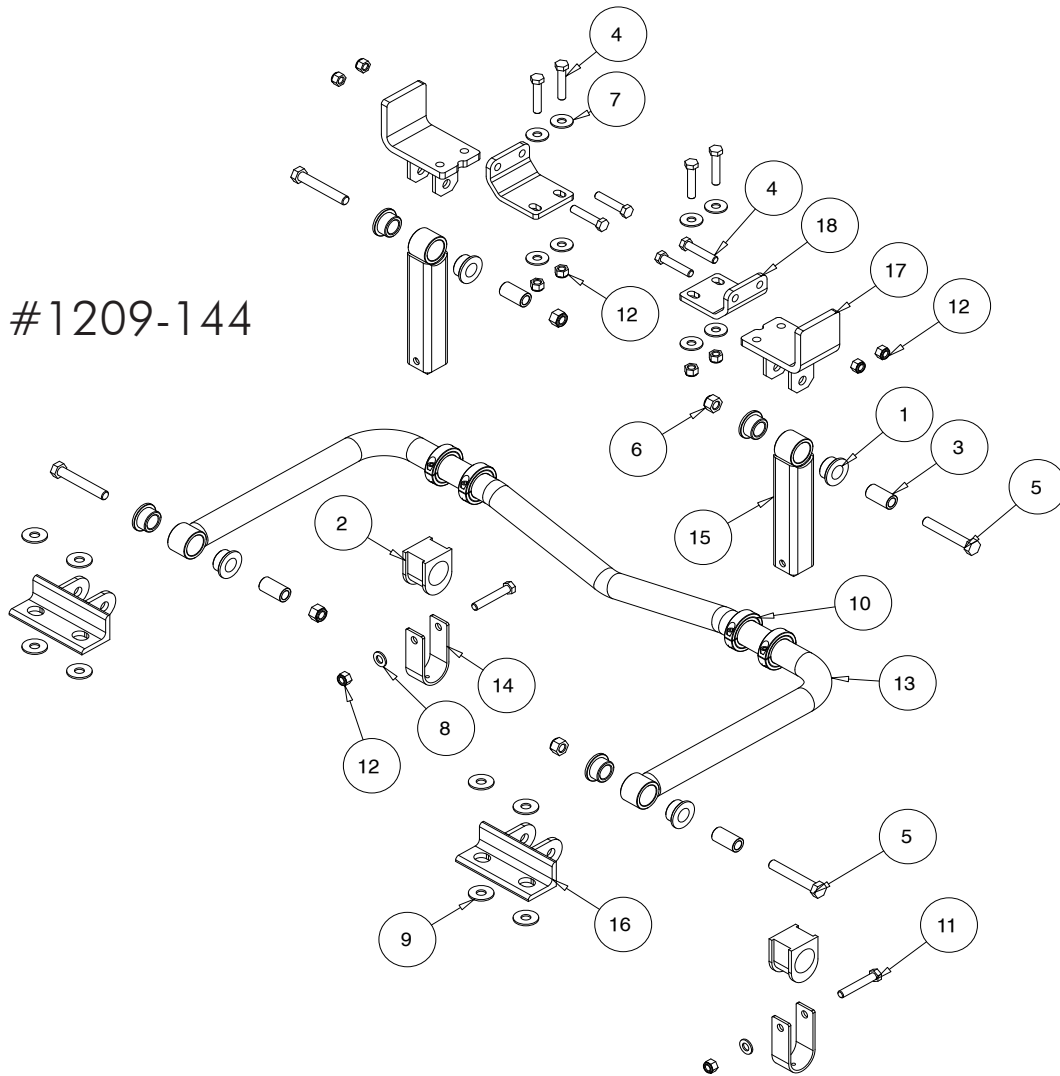
WARNING

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.

PARTS LIST

Part #1209-144



ITEM	QTY	MATERIAL	NAME
1.....	8.....	BUSHING	205209-00
2.....	2.....	BUSHING	205220-20
3.....	4.....	BUSHING SLEEVE	205503-00
4.....	8.....	1/2-13 X 2 1/2" BOLT.....	350099-80
5.....	4.....	5/8-11 x 4" BOLT - GRADE 8 YELLOW ZINC.....	350158-50
6.....	4.....	5/8-11 NYLON INSERT LOCK NUT - GRADE 8 YELLOW ZINC	350263-20
7.....	8.....	1/2" FLAT WASHER	350308-00
8.....	2.....	1/2" SAE WASHER.....	350308-20
9.....	8.....	9/16" FLAT WASHER - PLAIN.....	350347-00
10.....	4.....	SPLIT COLLAR	350530-75
11.....	2.....	1/2-13 x 3" BOLT - GRADE 8	350706-00
12.....	10.....	1/2-13 NYLON INSERT LOCK NUT - GRADE 8 YELLOW ZINC	350735-00
13.....	1.....	ANTI-SWAY BAR.....	580564-00
14.....	2.....	BUSHING CLAMP	B1024
15.....	2.....	END LINK	B1025
16.....	2.....	AXLE BRACKET	B1026
17.....	2.....	FRAME BRACKET	B1028
18.....	2.....	TEMPLATE	B1029
19.....	1.....	AQUALUBE	400011-30
20.....	1.....	LOCTITE	200544-00

INSTALLATION

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

1. Support the control arm.

Working on the driver's side only, support the control arm behind the axle with tremendous upward force using a five ton jack or greater. The air bag will start to compress, which is expected (Figure 1).

2. Remove the U-bolt nuts.

Remove all four 1-5/16" U-bolt nuts on the driver's side (Figure 2). *Note: All four must be removed for proper installation. Inspect the vehicle's U-bolts. Consider replacing them if they are rusty or show other signs of structural wear.*

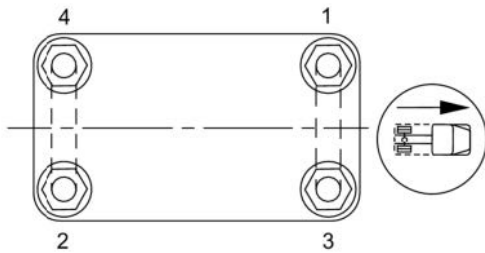
Replace the U-bolt nuts and then use the following four-stage torquing procedure to properly tighten the nuts in the sequence shown below.

Stage 1: Hand tighten

Stage 2: 60 ft/lbs

Stage 3: 200 ft/lbs

Stage 4: 420 to 500 ft/lbs



3. Install the axle brackets.

Swing the ends of the anti-sway bar up to the OEM axle brackets. Attach the bar to the brackets using 5/8" x 4" bolts, 9/16" flat washers and 5/8" nuts (Figure 3). *Note: Due to manufacturing variances, your frame bracket may appear slightly different than the one picture in Figure 3.*

4. Repeat steps 1-3 for the passenger side.

continued on next page

Figure 1



Figure 2



Figure 3



INSTALLATION

Note: For the next three steps, you will be drilling into the side of the frame rail using the frame bracket and template brackets. Alignment is the key to ensuring that the holes are straight on the frame so that the anti-sway bar rides at the proper height and angle.

Carefully follow the schematic shown in Figure 4 as you complete the next two steps.

5. Drill the frame bracket hole.

Working on one side at a time, insert and clamp the frame bracket to the inside of the control arm mount as far forward as possible. Using the frame bracket as a template, mark and drill a pilot hole.

6. Drill the template bracket holes.

Use a pilot hole on each of the two holes, slowly increasing the size to $\frac{1}{2}$ ". Use a die grinder to open up the holes as needed until they align.

Once the holes are aligned, bolt it into place using the supplied $\frac{1}{2}$ " x $2\frac{1}{2}$ " bolts and Nylock nuts. Note: Ensure there is clearance for the air lines so they are not pinched.

7. Install the endlinks.

On each side, hang the endlink from the frame bracket using the supplied $\frac{5}{8}$ " x $3\frac{1}{2}$ " hardware and leave the bolts loose for now.

8. Install the anti-sway bar.

Install the anti-sway bar to the axle brackets using $\frac{5}{8}$ " x 4" bolts and lock nuts but leave the hardware loose. Swing the sway bar into position to see where the bushings will mount. Then, lube the bushings, install them on the bar, and place the clamp over the bushings. Bolt it to the bottom of the endlink on each side using the supplied $\frac{1}{2}$ " x 3" bolts, $\frac{1}{2}$ " flat washers, and $\frac{1}{2}$ " nylock nuts (Figure 5).

9. Install the split collars.

One each side, place the split collars on both sides of the bushing clamp and secure them.

10. Recheck all fasteners and then test drive. Recheck fasteners after the test drive.

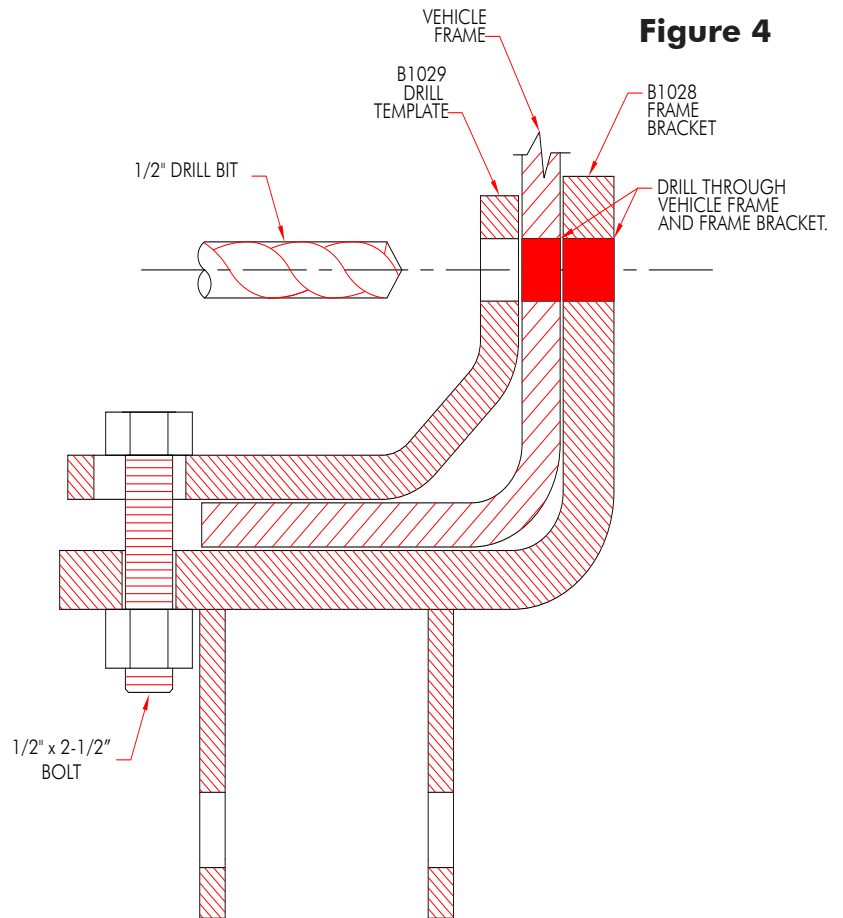


Figure 4



Figure 5