85-3228 rev. 09 12-25

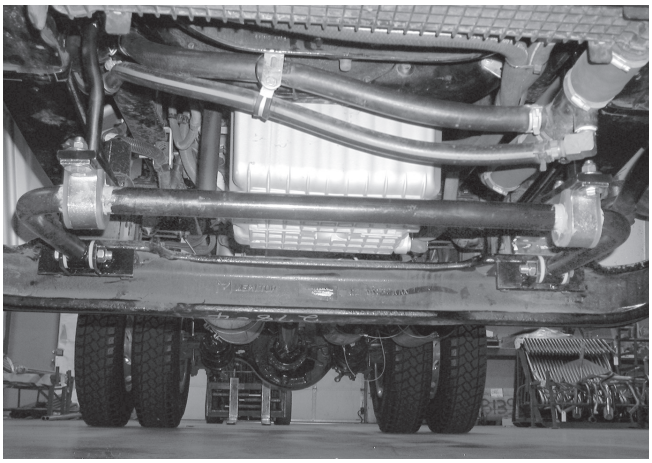
ROADMASTER®

Installation Instructions

Front Anti-Sway Bar Kit for Freightliner M2

part #1209-116

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:

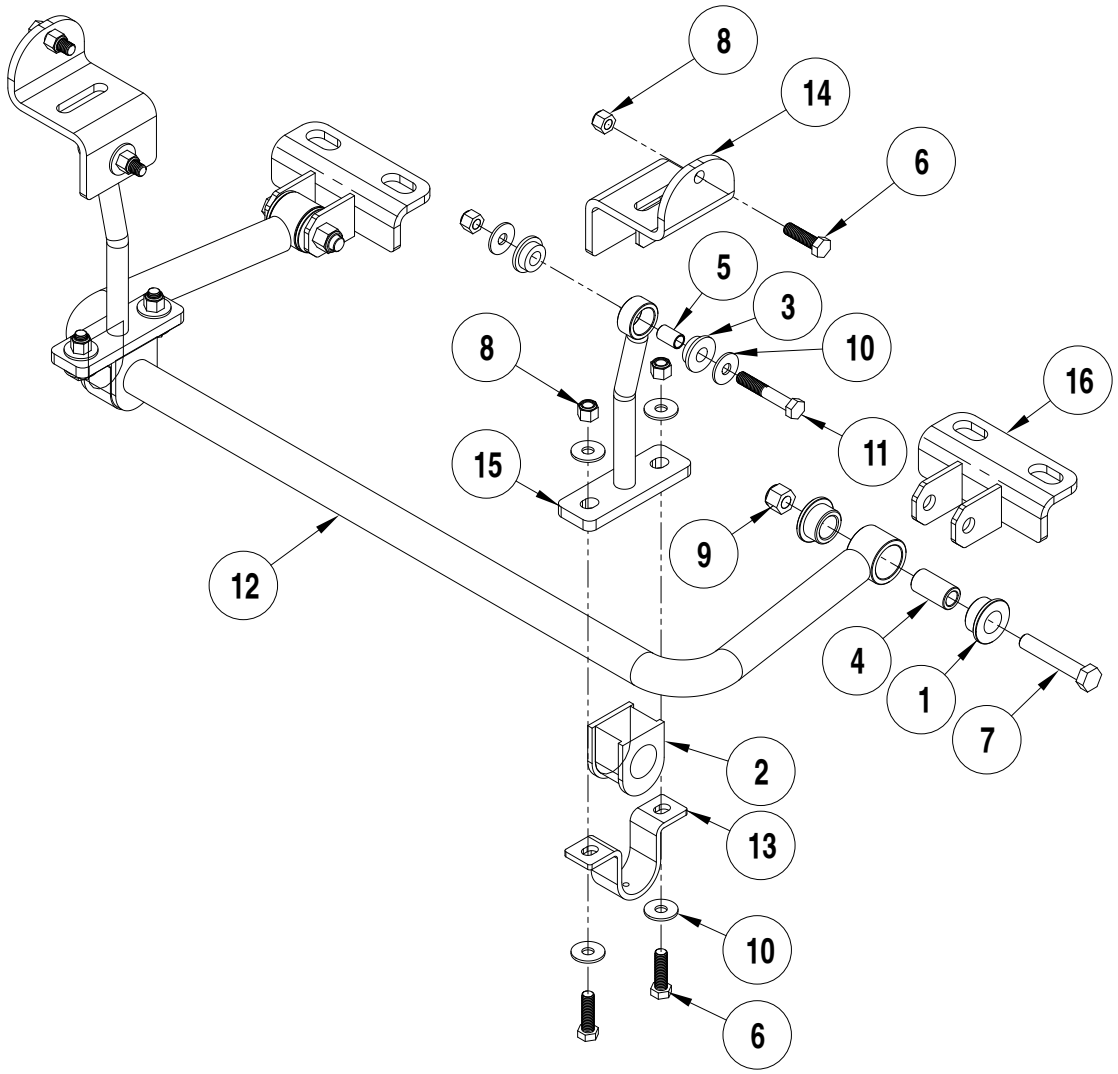
- General hand tools
- Torque wrench

⚠ 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 warranteed for the original installation. Installing a used anti-sway bar on another vehicle is not recommended and will void the warranty.

PARTS LIST



ITEM	QTY.	DESCRIPTION	PART NUMBER
1	4	BUSHING	205209-00
2	2	1 1/2” BUSHING	205217-10
3	4	BUSHING	205227-00
4	2	BUSHING SLEEVE	205503-00
5	2	BUSHING SLEEVE	205507-00
6	6	1/2-13 x 1 3/4” BOLT - GRADE 8	350096-80
7	2	5/8-11 x 3 1/2” BOLT - GRADE 5	350163-00
8	8	1/2-13 NYLON INSERT LOCK NUT	350259-00
9	2	5/8-11 LOCK NUT	350263-00
10	12	1/2” FLAT WASHER	350308-00
11	2	1/2-13 x 3” BOLT - GRADE 8	350706-00
12	1	ANTI-SWAY BAR	580045-00
13	2	BUSHING CLAMP	B141
14	2	FRAME BRACKET	B452
15	2	DROP LINK	B486
16	2	FRAME BRACKET	B500
17	1	THREADLOCKER	200544-00
18	1	AQUALUBE	400011-30

INSTALLATION

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

1.Install the axle brackets.

Remove the nuts and washers from the U-bolt on the front side of the axle. Do NOT remove it from rear side. Install the axle bracket (Figure 1) with the tabs toward the front of the truck. Reinstall the washers and nuts loosely. Do not tighten at this time. *Note: Inspect the vehicle's U-bolts. Consider replacing them if they are rusty or show other signs of structural wear.*

2. Install the frame brackets.

Locate the two bolts holding the frame crossmember to the bottom of the frame rails. The crossmember is found just behind the front spring hanger. Remove and reuse these bolts to fasten the frame bracket to the frame rails. Retorque to the factory specs. Once it's installed, drill a 1/2" hole in the frame side rail. Install a bolt (350096-80), washers and nuts (Figure 2a-b). Tighten to 30 ft.-lbs.

3. Install the drop links.

Assemble the links, if necessary. Use two hat bushings (205209-00) and a sleeve (205503-00) per link. Install the links as shown in Figure 3. The offset goes toward the center of the truck to provide clearance for the leaf springs. Leave the pivot bolt (350150-80) loose at this time to allow for easier assembly.

4. Prepare and install the anti-sway bar.

Lube the inside of the D-shaped anti-sway bar bushing with the provided grease. Place the bushings on the bar. Install a bushing clamp (B141) over the bushing. Attach to the bottom of the end link using the supplied bolts (350096-80), washers and nuts (350259-00)(Figure 4). Tighten to 30 ft.-lbs.

Swing the ends of the anti-sway bar up into the axle brackets. Attach the bar to the brackets using 350706-00 bolts.

5. Final tightening of all bolts.

Tighten the anti-sway bar-to-axle bracket bolts to 25-30ft.-lbs. Now, tighten the axle bracket U-bolts to factory specs. Tighten the drop link pivot bolts to 25-30 ft.-lbs. (Figure 5).

6. Recheck all fasteners and then test drive.

7. Recheck fasteners after test drive.

⚠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.

Figure 1

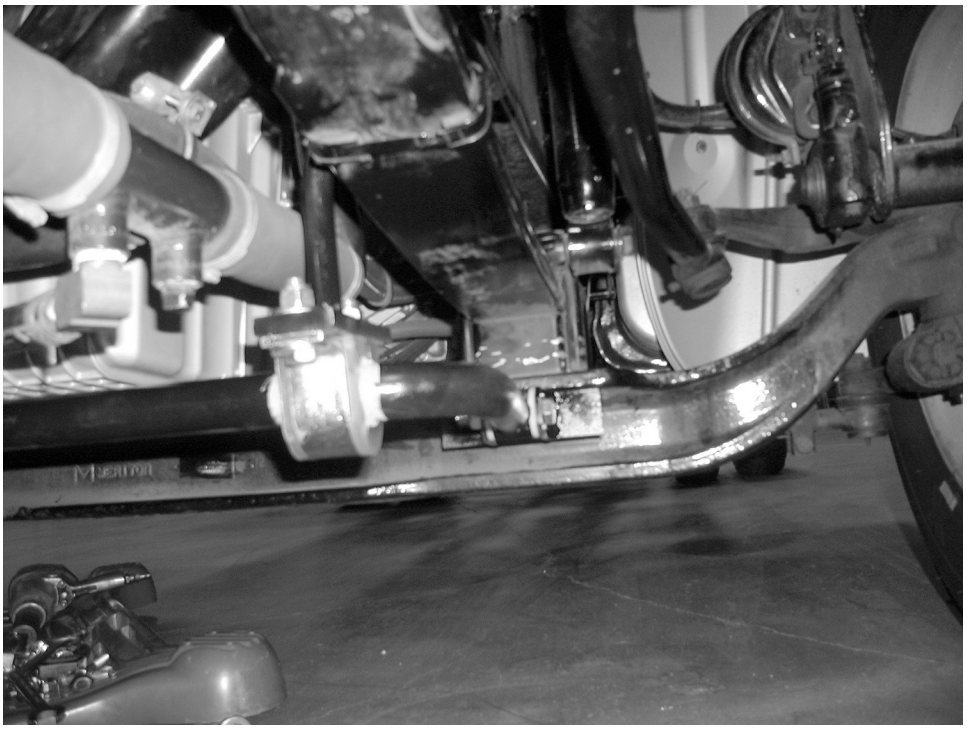


Figure 2a

Figure 2b

Figure 3

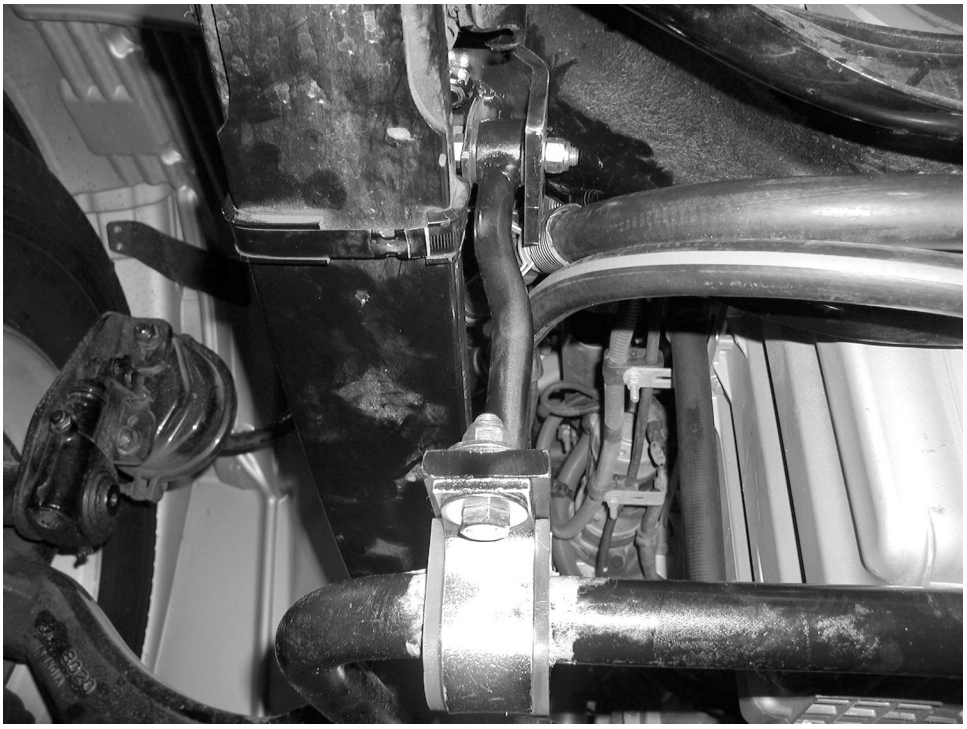


Figure 4

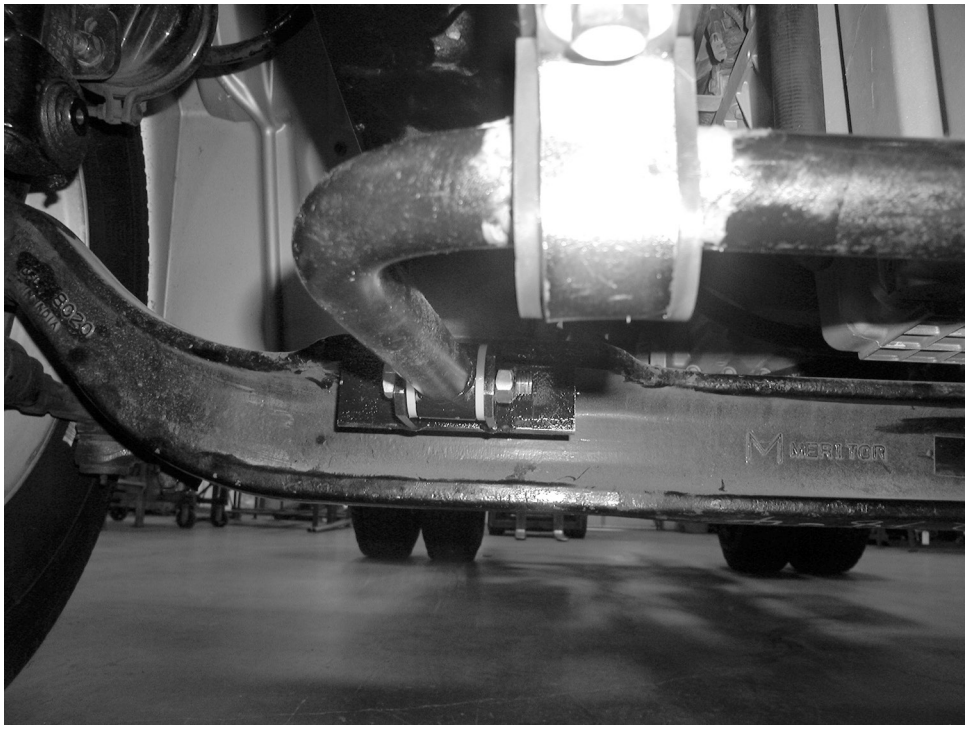


Figure 5