



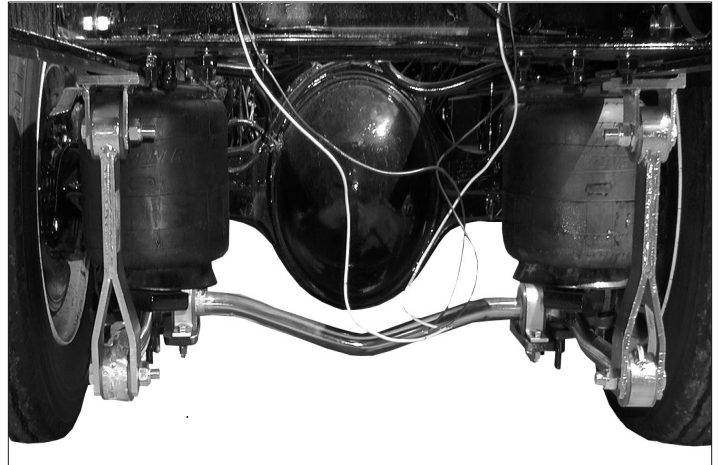
# Installation Instructions

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

## Rear Anti-Sway Bar Kit Freightliner FL Series with Rear Mount Airliner

part #1209-106, #1209-106SP  
1-1/2" diameter

*\*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 sway bar kit. This kit is designed to improve the handling characteristics of your Freightliner FL Series 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. For maximum suspension control, use this kit along with our front 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
- 1/8", 1/2" drill bits
- 1/2" drill
- Torque wrench

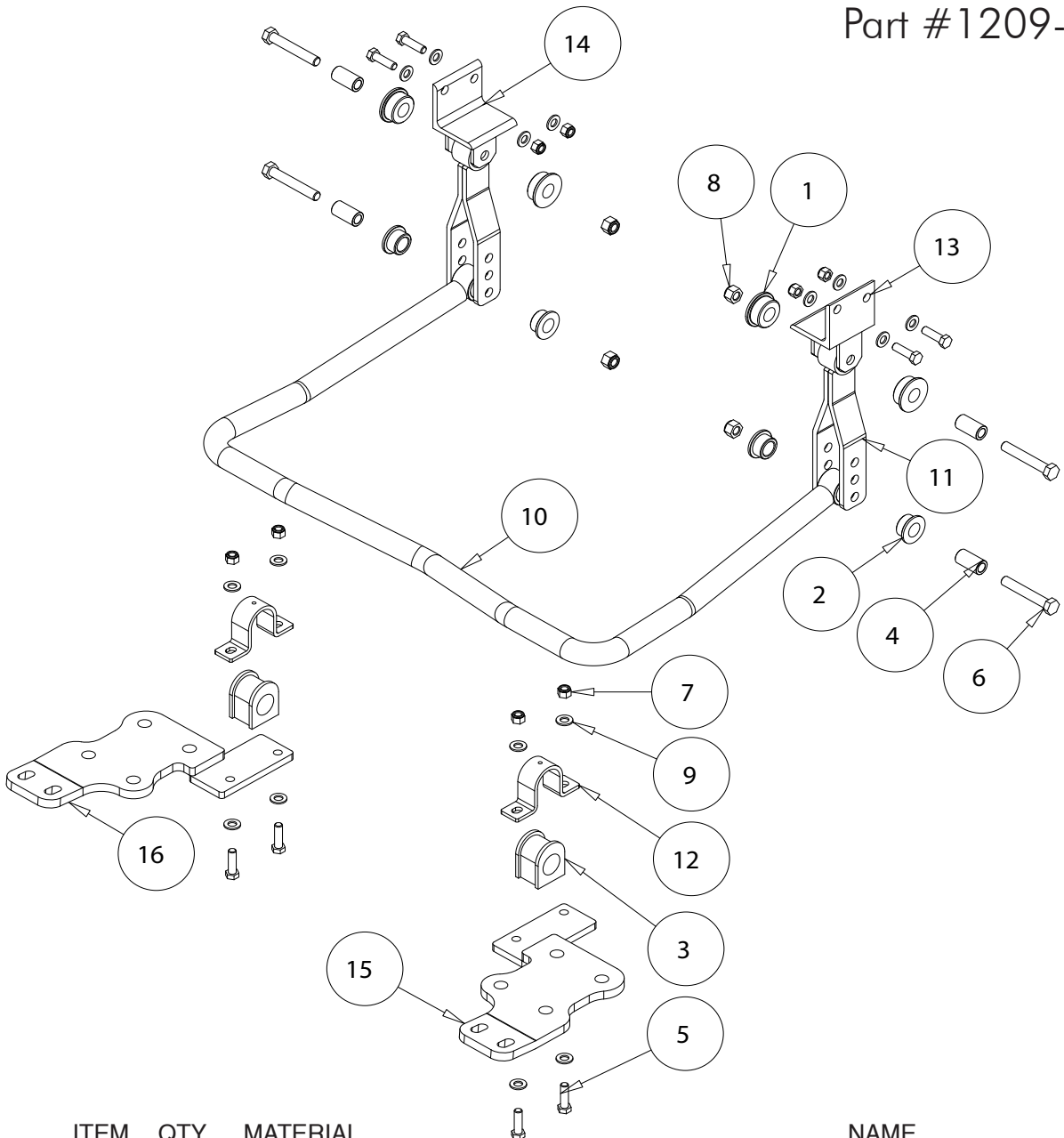
## WARNING

**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 #1209-106



ITEM	QTY	MATERIAL	NAME
1	4	BUSHING	205202-10
2	4	BUSHING	205209-00
3	2	BUSHING	205217-10
4	4	BUSHING SLEEVE	205503-00
5	8	1/2-13 x 1 3/4" BOLT	350096-80
6	4	5/8-11 x 4" BOLT	350158-00
7	8	1/2" NYLON INSERT LOCK NUT	350259-00
8	4	5/8" NYLON INSERT LOCK NUT	350263-00
9	16	1/2" SAE WASHER	350308-20
10	1	ANTI-SWAY BAR	580043-00
11	2	SHACKLE	B1003
12	2	BUSHING CLAMP	B141
13	1	BRACKET	B272L
14	1	BRACKET	B272R
15	1	BRACKET	B367
16	1	BRACKET	B368
17	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. Block the front wheels.

This installation should be done with the weight of the vehicle on the wheels (i.e. on the ground or ramps).

2. Locate the U-bolts holding springs to axle.

Remove the nuts from the U-bolts. Retain the factory bracket and add the flat plates (B367, B368) with the small holes pointed toward the rear and center of the vehicle. Secure with the factory nuts and washers. Torque to the factory specifications (Figure 1).

3. Install the saddle brackets and bushings on the anti-sway bar.

Lubricate the inside of the split bushings with the provided lubricant. Install the bushings on the anti-sway bar near the arms. Slide the saddle bracket over the split bushings.

4. Install the anti-sway bar assembly to the flat plates.

Lift the anti-sway bar assembly into position so that the saddle bracket holes align with the flat plate holes. The bar mounts on top of the tab on the flat plate. Use the provided bolts (350096-80), washers (350308-20), and nuts (350259-00) to attach (Figure 3). Tighten to 70 ft.-lbs.

5. Locate the shackles and fasteners.

Attach shackle (B1003) to the anti-sway bar end with the provided bolts (350158-00) and nuts (350263-00). Do not tighten yet.

6. Install frame brackets to shackles.

Install the frame bracket to the shackle in the same manner as above. Do not tighten.

7. Mark bracket location with respect to frame rail.

Hold bracket up to frame rail. Location is correct when the shackle is approximately 90 degrees to frame rail. Mark the bracket and frame for drilling (2 holes per side). Using the provided bolts (350158-00) and nuts (350263-00), attach the hanger bracket to the top of the shackle. Tighten to 70 ft.-lbs.

*Note: There are three different sets of holes in the shackle that can be used for mounting the anti-sway bar to the endlinks. Use the hole configuration that allows the anti-sway bar to ride as level as possible. Figure 3 depicts the optimal angle for the installation. There are also two holes in the frame bracket hanger that can be used for additional adjustments, as needed, to achieve the optimal angle. \*Note: Due to manufacturing variances, your end links may appear differently than shown in Figure 3 and in the overview images.*

Figure 1

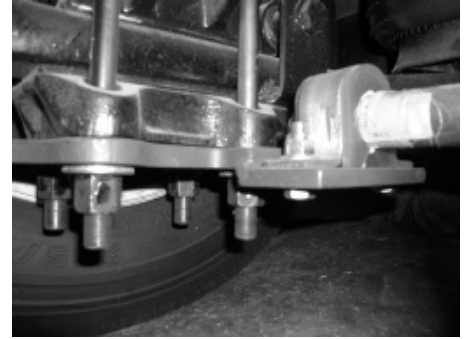
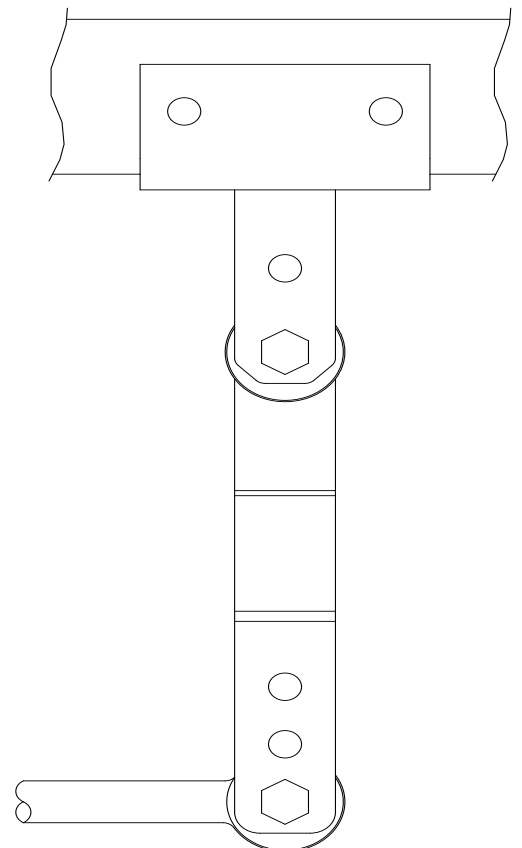


Figure 2



Figure 3



# INSTALLATION

8. Tighten the shackle bolts.

Tighten both the upper and lower bolts now to 40-45 ft.-lbs. Re-check all fasteners for proper tightness.

9. Test drive and re-inspect the installation.

Listen for any unusual noises.

## **WARNING**

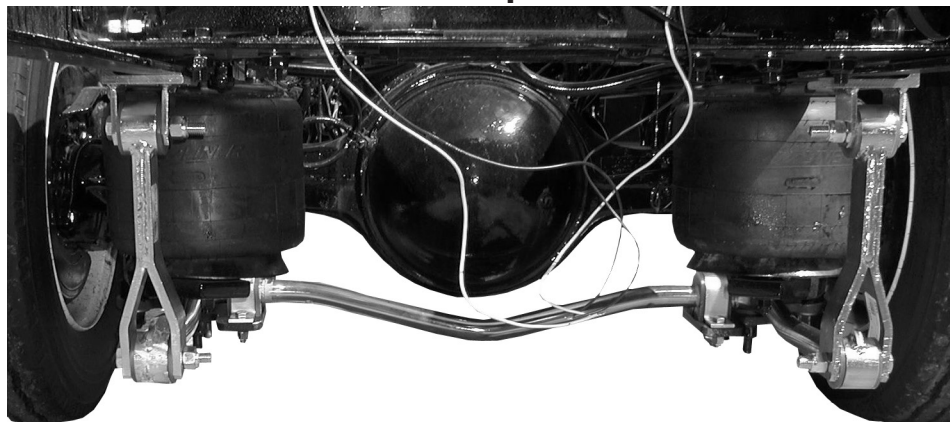
After road testing, re-check all fasteners for proper tightness — if a fastener has worked loose or fallen off, re-tighten or replace it. Without all kit components properly tightened or in place, the anti-sway bar will not stabilize the vehicle at full capacity, which may cause reduced cornering ability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

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

**Overview photo**



**Overview photo**



## **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.