Installation Instructions

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

Rear Anti-Sway Bar for Freightliner XC Chassis V-Ride

part #1209-140
2-1/8" diameter

INTRODUCTION

Thank you for purchasing this 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.

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:

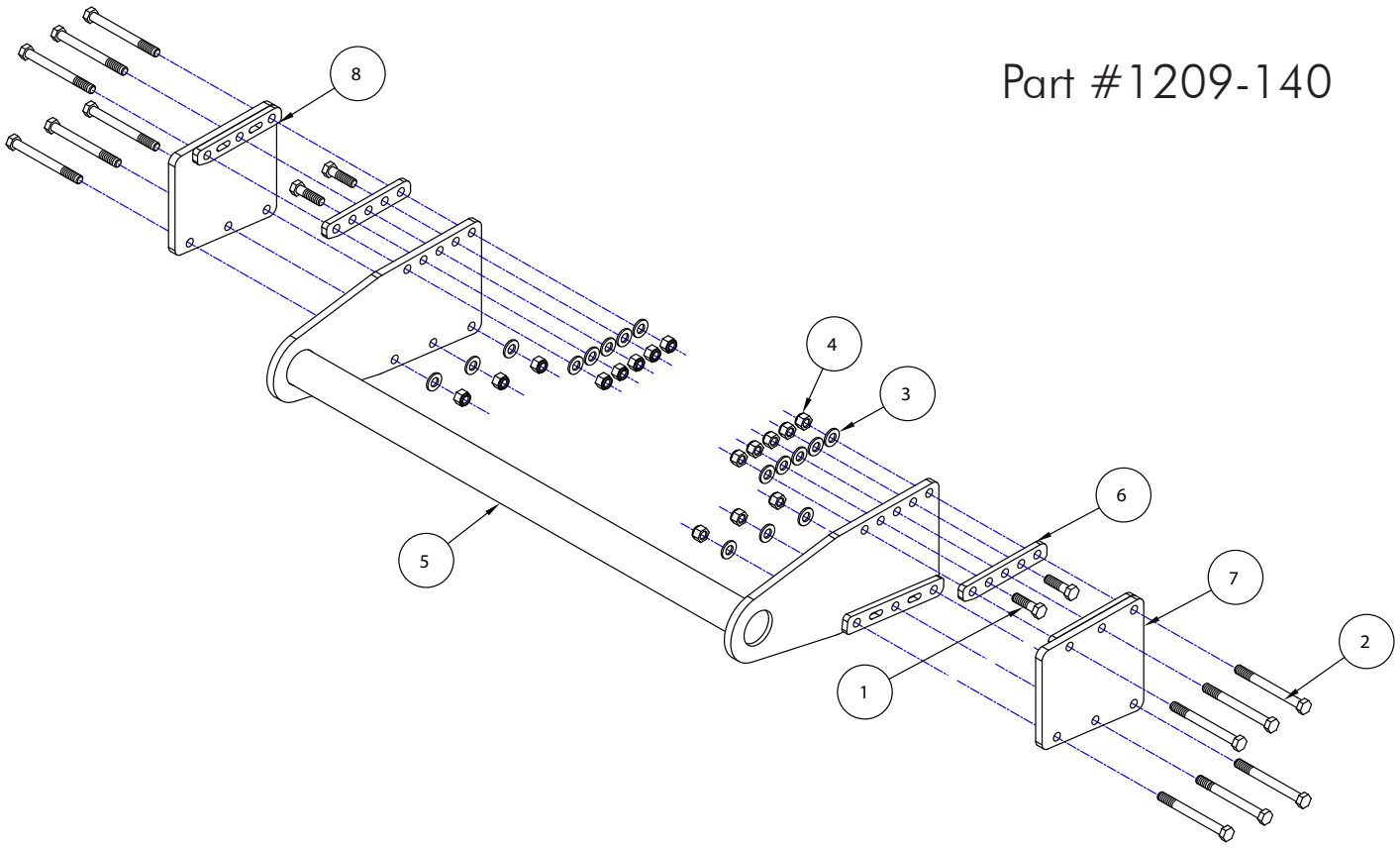
- General hand tools

⚠ 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



Part #1209-140

ITEM	QTY	DESCRIPTION	NAME
1	4	1/2-13 x 1 3/4" GRADE 8 BOLT	350096-80
2	12	1/2-13 x 5" GRADE 8 BOLT	350107-80
3	16	1/2" SAE FLAT WASHER	350308-20
4	16	1/2-13 GRADE 8 NYLON INSERT LOCK NUT	350735-00
5	1	ANTI-SWAY BAR	580518-00
6	2	SPACER	A-006001
7	1	DRIVER SIDE OUTER PLATE	C-003340
8	1	PASSENGER SIDE OUTER PLATE	C-003341

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. Put the vehicle in neutral. Put a floor jack under the axle and raise the vehicle so that the tires are off the ground (Fig.1).

⚠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.

2. Install the anti-sway bar to the spacer plates and frame.

Using the drawing on page 2 as a reference, slide the anti-sway bar between the frame rails until the welded spacers are snug against the bottom of the frame rail on each side. Place a floor jack under the anti-sway bar to hold it into place for now, just to the front of the rear differential.

Then, align the supplied spacer plate over the top mounts on each side and bolt the spacer plate to the anti-sway bar using the supplied ½" x 1¾" bolts, ½" flat washers and ½" lock nuts in the second and fourth holes. Note: Figure 2 shows the finished installation but use the white arrows for referencing the placement of the bolts you just installed.

3. Install the outer plates to the anti-sway bar.

Using the drawing on page 2 as a reference, locate the side-specific outer plates. On each side, bolt through the outer plate and spacer plates using the six supplied ½" x 4½" bolts, ½" flat washers and ½" lock nuts (Fig.2 and Fig.3).

4. Tighten, test drive and re-adjust as necessary. Torque bolts to bolt torque requirements below.

Figure 1

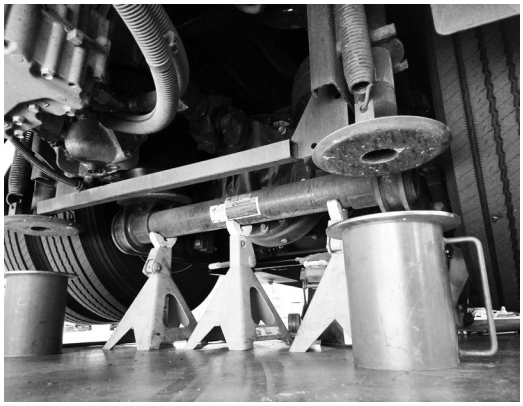


Figure 2

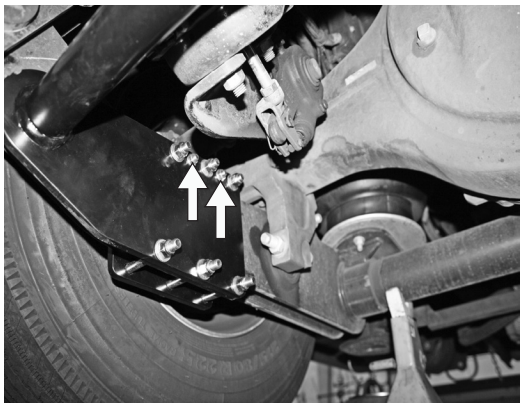


Figure 3

BOLT TORQUE REQUIREMENTS

STANDARD BOLTS

Thread	*Grade*	*Torque*
3/8	5	30 lb-ft
7/16	5	50 lb-ft
1/2	5	75 lb-ft
5/8	5	140 lb-ft

U-BOLTS

Thread	*Torque*
3/8-24	35 lb-ft
1/2-20	70 lb-ft
5/8-18	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.*