



Installation Instructions

Auxiliary Anti-Sway Bar Kit for Sprinter 3500 (Rear)

part #1209-132
(1 1/2" diameter)



INTRODUCTION

Thank you for purchasing this auxiliary anti-sway bar kit. This kit is designed to improve the handling characteristics of your Sprinter 3500 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 the 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:

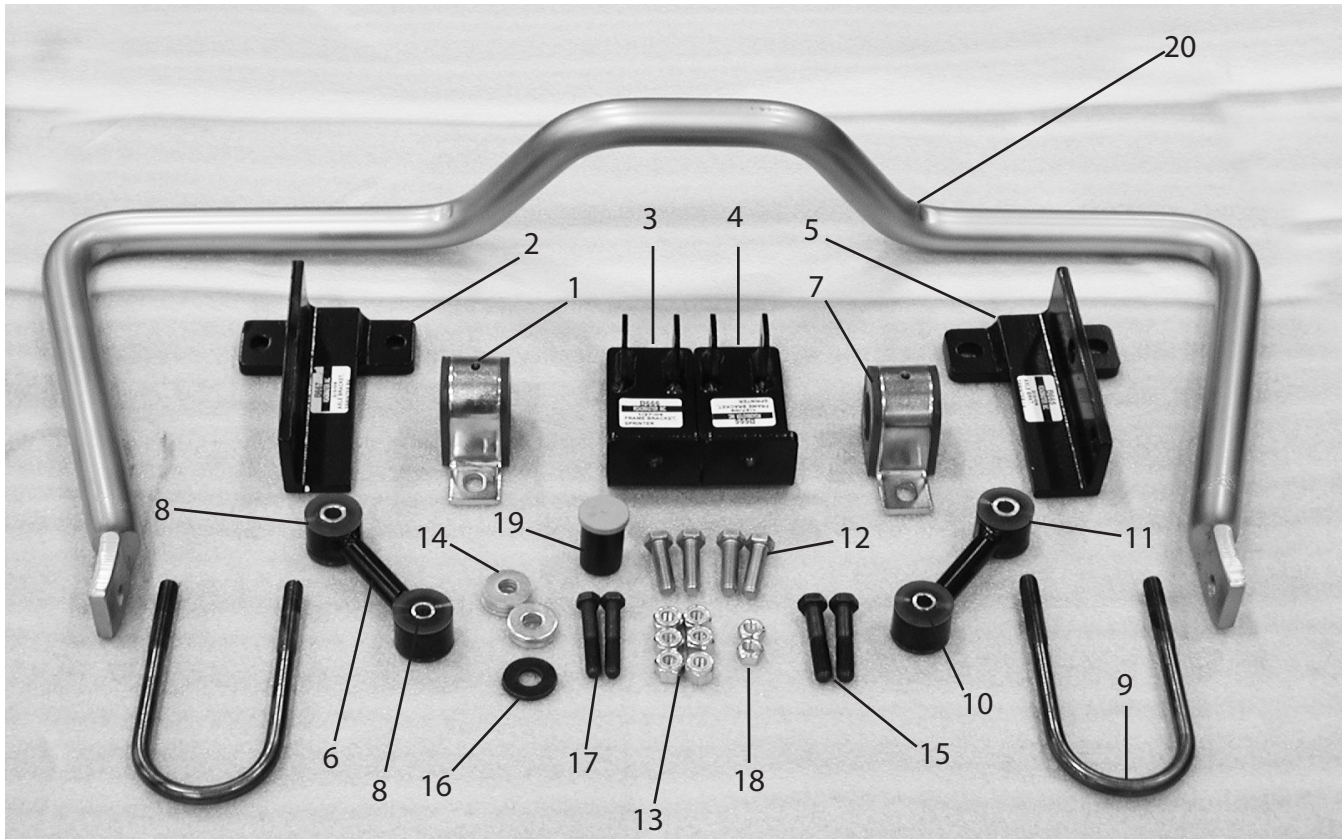
- general shop tools
- drill and drill bits
- sockets: 7/16" and 1/2"
- clamps
- center punch
- torque wrench

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 #1209-132

Part #	Description	Qty	Part #	Description	Qty
1. B141	Bushing clamp	2	12. 350096-80	1/2" x 1-3/4" NC GD8 Zn 8	8
2. B720	Axle bracket	1	13. 250259-00	1/2" NC Nylon Ins Ln Zp	10
3. B666L	Frame bracket, left	1	14. 350308-00	1/2" Cut washer	16
4. B666R	Frame bracket, right	1	15. 350099-80	1/2" x 3" Bolt NC GR8	2
5. B721	Axle bracket	1	16. 350347-00	9/16" Cut washer	4
6. B292	End link	2	17. 350207-00	12mm x 1.75 x 60mm	2
7. 205217-10	Bushing	2	18. 350212-50	12mm x 1.75 Locknut	2
8. 205223-00	Bushing hat	4	19. 400011-30	Aqualube	1
9. 357261-00	U-bolt	2	20. 580265-00	Anti-sway bar	1
10. 205508-00	Metal sleeve	2	22. *B693	End link	2
11. 205522-00	Bushing sleeve	2	21. *205223-50	Bushing hat	4

* not pictured

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.

WARNING

Always support the vehicle by using a hoist or by using securely positioned jack stands at both frame rails or at the rear axle, before working underneath. Ensure that the hoist or jack stands are rated at or above the weight of the vehicle.

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

2. Install the axle brackets.

Remove the two front U-bolt nuts on each side of the rear axle. Remove the factory U-bolts, and replace them with the two U-bolts provided in the kit.

Next, install the axle brackets, using the factory U-bolt nuts (Figure 1).

Note: The brake line supports (Figure 2) must be loosened to attach the anti-sway bar in step 4. However, it may be more convenient to loosen the brake line supports now, in order to attach the axle brackets.

3. Install the frame brackets.

The frame brackets will be located on the cross member of the front leaf spring mounts (Figure 3).

First, clamp the frame brackets into position.

Note: It may be necessary to remove the factory caulking (if present) in order to fit the frame brackets correctly.

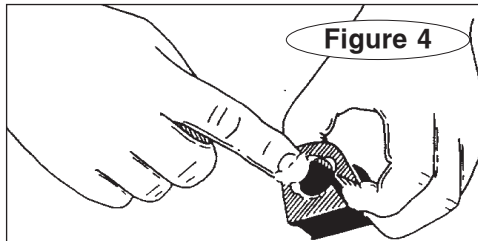
Next, on each side, drill two pilot holes, then two finish holes of 17/32".

Then, bolt the frame brackets into position (Figure 3). Torque the bolts to 80 ft./lbs.

4. Install the anti-sway bar.

Lubricate the inside of the bushings with the provided grease (Figure 4).

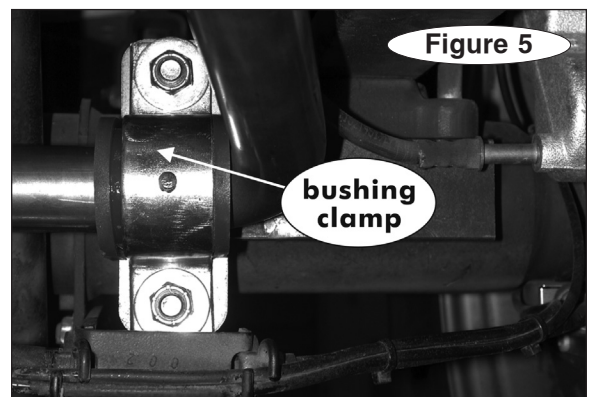
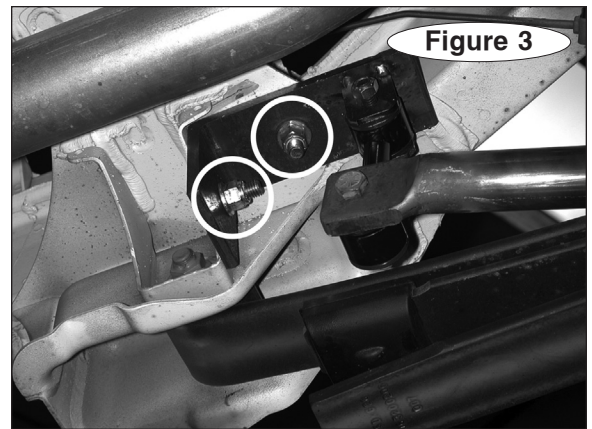
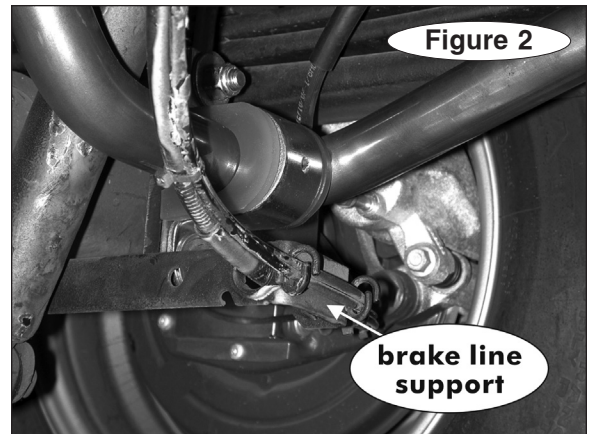
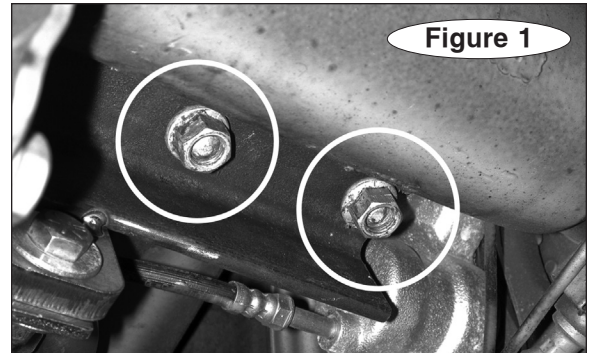
Next, lift the anti-sway bar into position, above the axle. Then, loosely bolt each bushing clamp (Figure 5) to one of the axle brackets.



CAUTION

Do not allow the anti-sway bar to hit the drive-shaft, or the driveshaft may be damaged, which may cause unwanted vibration while driving the vehicle.

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INSTALLATION

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5. Attach the end links.

Loosely attach the end links (Figure 6) to the anti-sway bar.
Note: Each end link has both a 1/2" I.D. and a 7/16" I.D. inner sleeve. Use the 1/2" I.D. sleeve to attach the end links to the anti-sway bar.

Note: Position the attachment bolts so that the bolt heads are to the outside (Figure 6).

Note: If the vehicle is equipped with spacer blocks, use the two B693 end links instead.

6. Attach the anti-sway bar to the frame brackets.

Rotate the anti-sway bar up to the frame brackets, and attach the bar to the frame brackets a 7/16" bolt at each end (Figure 7).

Note: Position the attachment bolts so that the bolt heads are to the outside (Figure 7).

7. Tighten all bolts and road test the vehicle.

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 or other reductions in vehicle handling or performance.

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

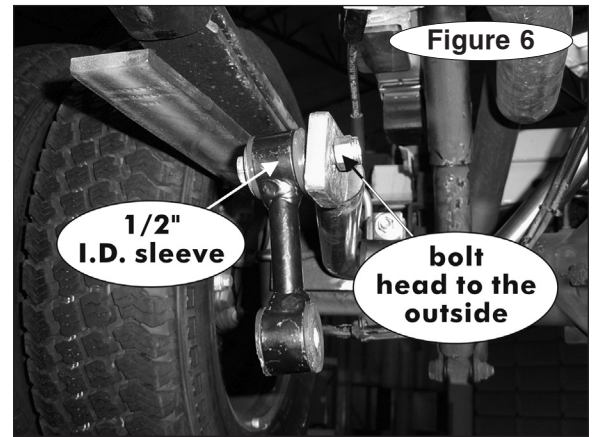


Figure 6

1/2" I.D. sleeve

bolt head to the outside

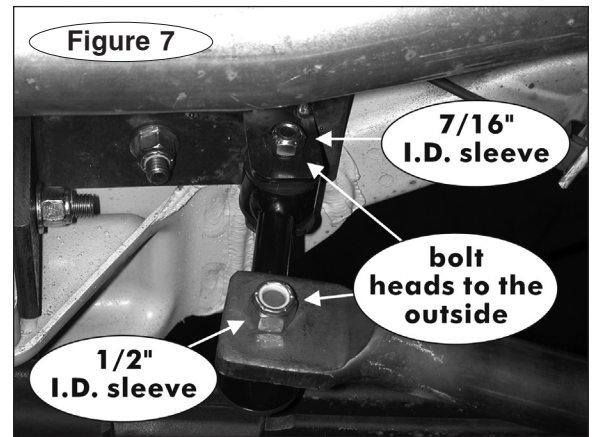


Figure 7

7/16" I.D. sleeve

bolt heads to the outside

1/2" I.D. sleeve

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.