

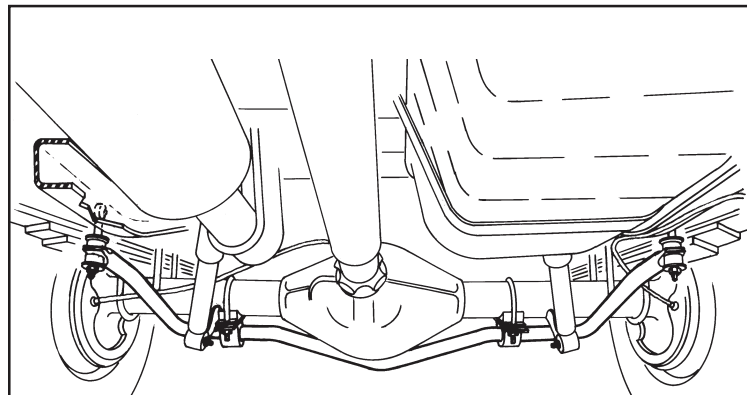


Installation Instructions

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

Rear Anti-Sway Bar Kit for the Ford E250/350

part #1139-109, #4139-109
1-3/8" diameter



INTRODUCTION

Thank you for purchasing this anti-sway bar kit. This kit is designed to improve the handling characteristics of your Ford E250/350 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. For maximum suspension control, use this kit along with our front anti-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:

- 3/4" and 11/16" drill bits
- 3/4" and 11/16" sockets
- Socket wrench
- Center punch
- 1/4" and 1/2" drill bits
- Electric drill
- Floor jack (5 ton) and jack stands
- Torque wrench

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.
- 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.
- 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,

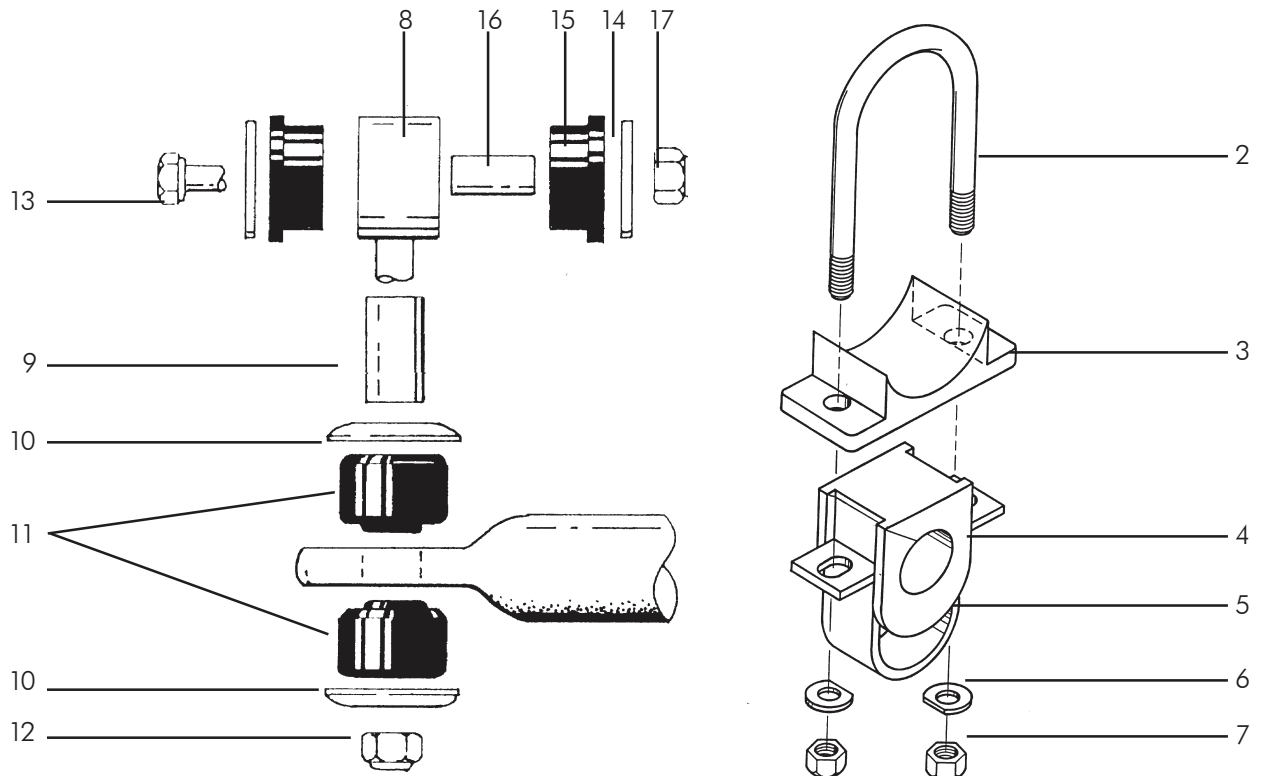
personal injury or even death.

- 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.

WARNING

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

PARTS LIST



Part #1139-109

Part #	Description	Qty	Part #	Description	Qty
1. 580022-00	Sway bar, 1-3/8"	1	10. 357434-00	Washer, cup	4
2. 357359-00	U-bolt, 1/2" x 6" NF	2	11. 205381-00	Grommet, poly	4
3. 480013	Bracket, cast axle	2	12. 350256-02	Locknut, toplock 7/16" NC	2
4. 205219-10	Bushing, poly split	2	13. 350099-80	Bolt, 1/2" x 2-1/2" NC	2
5. B141	U-bracket, 5-3/4" base	2	14. 350347-00	Washer, 9/16"	4
6. 350308-00	Washer, flat 1/2" cut	4	15. 205223-00	Bushing, poly hat	4
7. 350259-01	Locknut, 1/2" NF	4	16. 205501-00	Sleeve, 1/2" id x 1-3/8" long	2
8. B226	Bracket, end link	2	17. 350259-00	Locknut, 1/2" NC	2
9. 205502-00	Sleeve, 1/2" id x 4" long	2	18. 350308-20	Flat washer 3/8"	4
			19. 400011-30	AQUALUBE Grease	1

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 vehicle and remove the rear wheels** (optional).

- 2 Use a floor jack to raise the vehicle.**

Put the vehicle in neutral. Put a floor jack under the frame and raise the vehicle so that the tires are off the floor.

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.

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

- 3 Put jack stands under the axle.**

Place the jack stands under the rear axle housing to correctly locate the mounting points for the links. Lower the axle housing onto the jack stands. Push the side of the body to make sure that the vehicle is stable.

- 4 Put the split bushings on the anti-sway bar.**

Using the lubricant provided, grease the inside of the split bushings. Place the bushings on the center section of the anti-sway bar. Push the large-size U-brackets over the bushings.

- 5 With the arms of the anti-sway bar facing forward, place the bar under the vehicle.**

Note: the ends of the anti-sway bar arms point downward.

- 6 Install the U-bolts for the anti-sway bar mounts.**

Install each U-bolt about 6" inboard of the springs on the rear axle housing. Use a screwdriver to pry the brake line away from the axle so that the U-bolts will fit between the brake lines and the axle housing. Insert the U-bolts from the front.

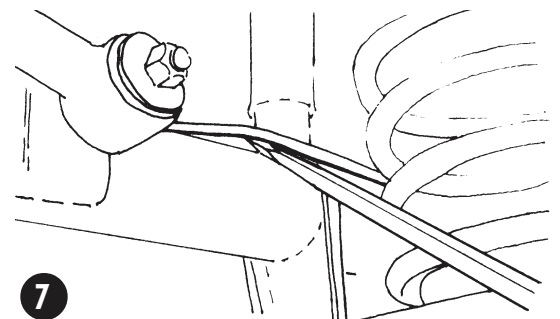
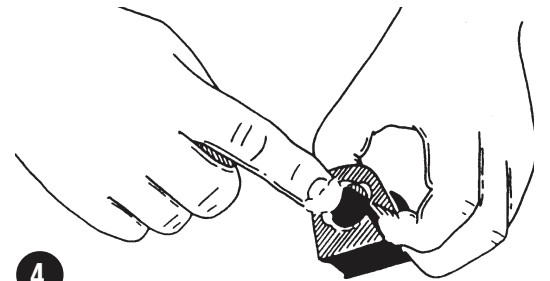
WARNING

Make sure the U-bolts are between the brake lines and the housing. If the U-bolts are over the brake lines, friction will cause the lines to rupture, causing a loss of brake fluid. The brakes will no longer function.

- 7 Install the assembly on the axle housing.**

The anti-sway bar mounts under the axle. Check the clearance on the anti-sway bar. Start at the saddle brackets, holding the anti-sway bar to the axle.

Bushings should be an equal distance from the arms. The anti-sway bar shouldn't contact the axle housing. Allow clearance between the anti-sway bar and the shock brackets. Tighten the U-bolts.



INSTALLATION

8 Install the endlink assemblies on the anti-sway bar ends.

Install the cup washers, grommets, sleeves and end links to each anti-sway bar end. Do not tighten the endlink nut yet.

9 Check the frame for a 1/2" hole.

Due to manufacturing variances, there may be a hole already in the frame. It will be approximately five inches up from the bottom edge, and three inches back from the front spring hanger. If it is not there, you will need to drill one.

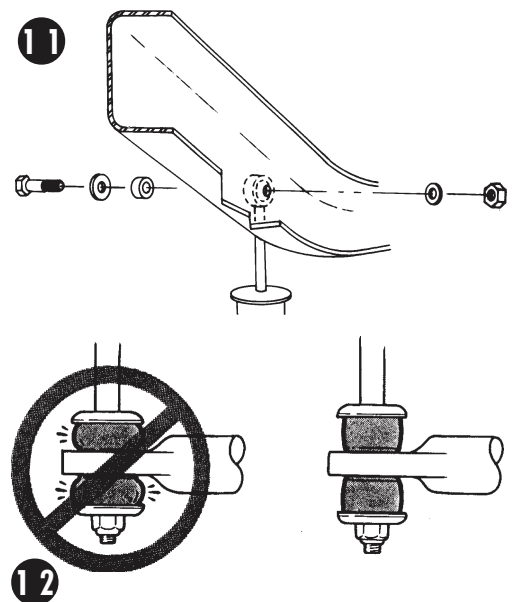
10 Mark the hole location.

Swing the anti-sway bar arms upward until the anti-sway bar arm is parallel to the ground. The U-bolts on the axle can be adjusted some at this point. The endlink should be perpendicular to the ground. If you don't locate an existing hole, mark the location. Check inside the frame rail for wires, hoses, etc. before drilling. Drill a 1/4" pilot hole, then finally a 1/2" hole.

11 Fasten the endlink to the frame.

Pass a bolt with a washer through the endlink and place another washer between the endlink and the frame. Push the bolt through the frame hole. Fasten with nut (N210).

12 Check end links and tighten fasteners.



! WARNING

Over-tightening the grommets may cause premature failure of the grommets and/or the end links. If the grommets fail, 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.

13 Test drive and re-check fasteners.

! 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 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 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.