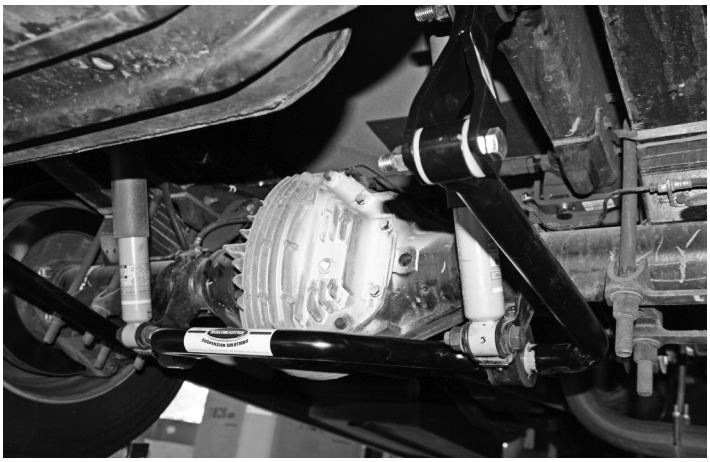
Installation Instructions

Thank you for purchasing our sway bar kit. Please read through these instructions before installation.

Auxiliary Rear Anti-Sway Bar Kit for Ford F53 16,000 and 18,000lb GVWR Chassis

part #1139-146
1½" diameter



Note: do not remove the factory anti-sway bar. This kit is designed to support the factory anti-sway bar — not replace it.

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:

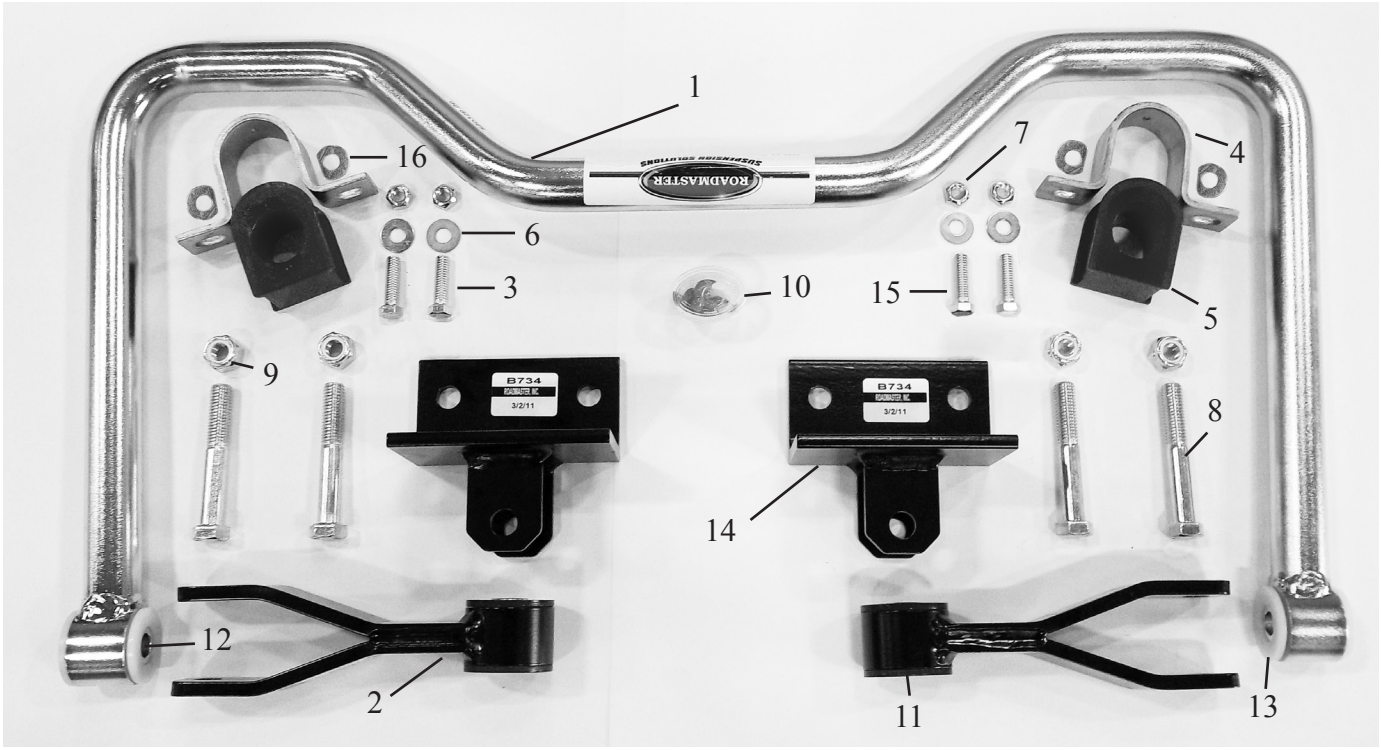
- General hand tools
- Torque wrench

⚠ 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



Part #1139-146

Part #	Description	Qty
1. 580484-00	Anti-sway bar	1
2. B285	Shackle	2
3. 350057-80	Bolt, 3/8" x 1-1/2"	2
4. B140	Bracket, U-clamp	2
5. 205217-10	Bushing, split poly	2
6. 350304-80	Washer, 3/8"	4
7. 350272-00	Locknut, 3/8"	4
8. 350158-00	Bolt, 5/8" x 3-1/2"	4

Part #	Description	Qty
9. 350263-00	Nut, 5/8"	4
10. 400011-30	Aqualube Grease	1
11. 205202-10	Shackle Bushing	4
12. 205503-00	Sleeve	4
13. 205209-00	Bushing	4
14. B734	Endlink mounting bracket	2
15. 350056-80	Buttonhead, 3/8" x 1-1/2"	2
16. 350304-30	Cut Washer, 3/8"	4

INSTALLATION

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

1. Apply parking brake.
The following procedures can be done with the wheels of the vehicle on the ground.

2. Install endlink mounting bracket.
Install the endlink bracket (B734) to the frame rail using the two lower factory crossmember bolts located behind the rear axle. To remove the factory crossmember bolts, it may be necessary to raise the motorhome to allow the crossmember bolts to clear the leaf-spring. Place the bracket flat against the frame and tighten the crossmember bolts. (Fig.1).

3. Install the bushings and bushing clamps 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 bushing clamp brackets over the split bushings.

4. Attach the anti-sway bar to the shock mount.
Locate the existing holes on the bottom of the shock mount and remove the bottom shock eye. Bolt the bushing clamps to the bottom of the shock mount using the supplied 3/8" hardware. Note: use the buttonhead bolts on the mounts closest to the shock and bolt out from the shock. The arrow in Figure 2 indicates the buttonhead bolt (Fig. 2). Then, tighten the bushing clamps.

5. Install shackles.
Lower the motorhome using the leveling jacks to install the shackles back to ride height. Bolt the shackle bracket (B285) into place using the provided bolts (350074-00), and nuts (350256-02). Note: Install bolts with the nuts on the inside so that the leaf-spring will not contact the bolt (Fig. 3). Tighten bolts, using caution not to overtighten, possibly resulting in damage to the bushings and/or shackle (30-45 ft. lbs.)

6. Test drive.
Drive vehicle, recheck all bolts for proper torque.

Figure 1

Figure 2

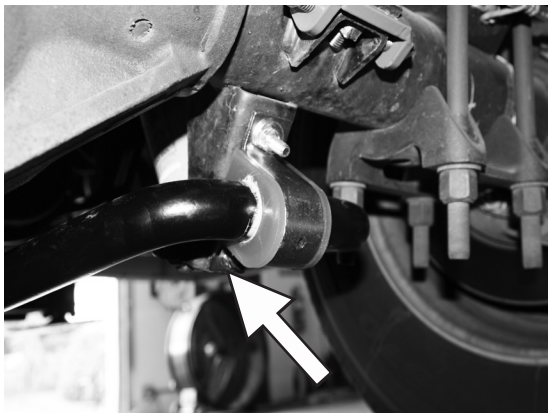


Figure 3

⚠ 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.

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