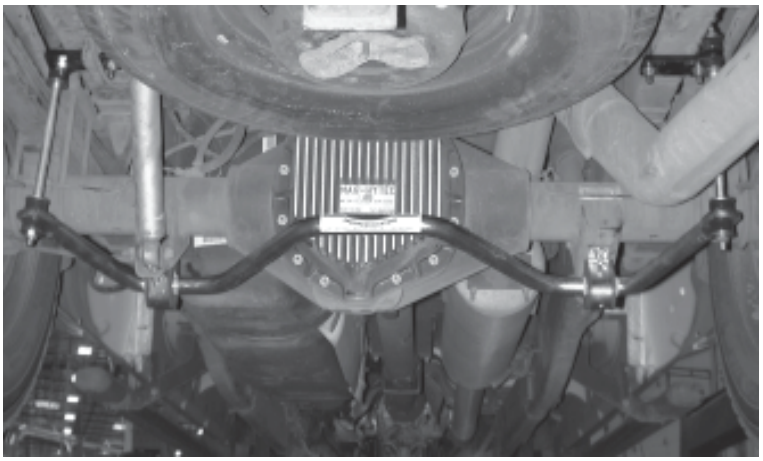
85-4379 rev. 01 09-09

Installation Instructions

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

Rear Anti-Sway Bar Kit for 2004 Dodge 3500 2WD

part #1129-137
1¼" diameter



INTRODUCTION

Thank you for purchasing this rear 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. 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:

- General Hand Tools
- Drill motor and bits

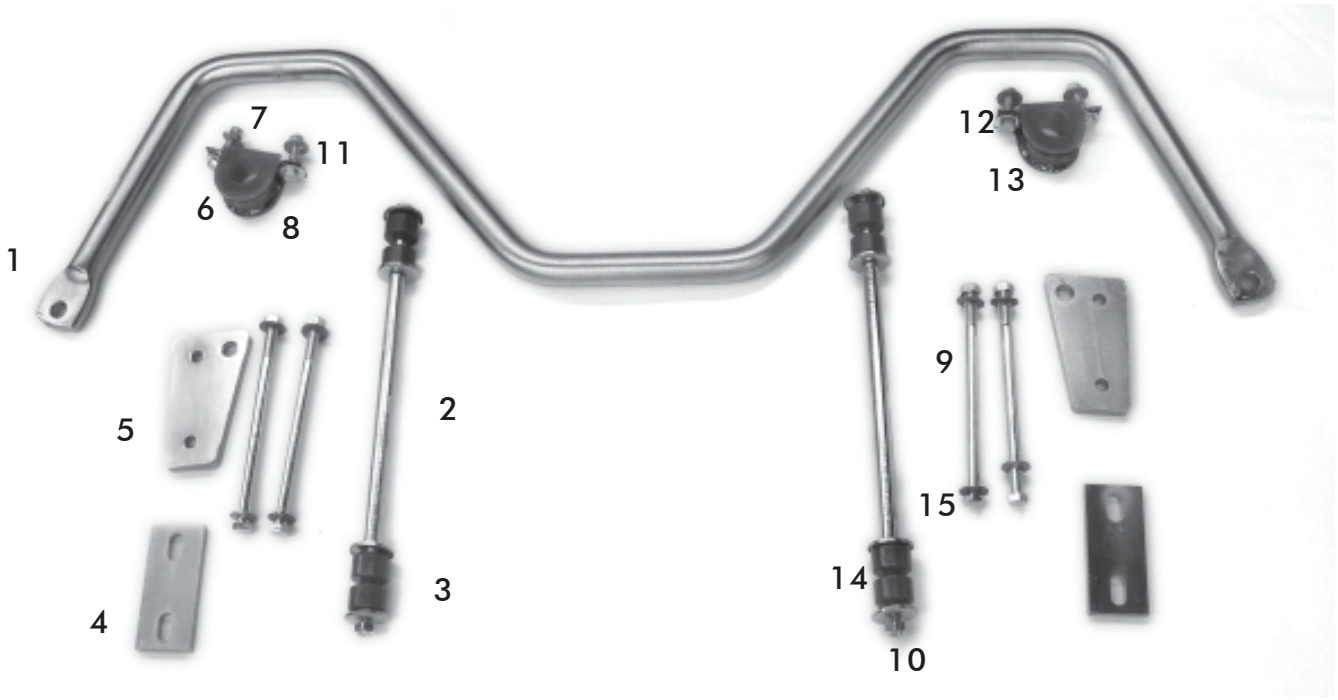
⚠ WARNING

- 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 warranteed 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 #1129-137

Part #		Description	Qty
1	580018-00	Rear sway bar, 1-¼" diameter	1
2	B704	Swaybar endlink, 18½"	2
3	205381-00	Grommet	8
4	B438	Top plate for sway bar	2
5	B439	Bottom plate for sway bar	2
6	B140	Saddle bracket	2
7	205221-10	Bushing, split poly, 1¼"	2

Part #		Description	Qty
8	350056-00	Bolt, 3/8" x 1¼"	4
9	350089-00	Bolt, 7/16" x 8"	4
10	350256-02	Locknut, 7/16"	8
11	350272-00	Locknut, 3/8"	4
12	350304-80	Washer, 3/8"	4
13	350304-30	D-cut washer	4
14	357434-00	Cup washer	8
15	350306-00	Washer, 7/16"	8
16	400011-30	Aqua Lube Grease	1

INSTALLATION

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

⚠WARNING

The anti-sway bar is heavy, and may cause property damage or personal injury if it falls on equipment, engine components or any part of your body. Ensure that the anti-sway bar is supported and that you are out of the way when removing the brackets.

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

1. Insert the saddle bracket bolts into the shock brackets.

Note: the rear shock lower mount will need to be relocated to permit this. remove the lower shock bolt and move the shock out of the way. Install the lower bolt only at this time.

2. Grease the inside of the bushings.

Use the provided Aqualube to grease the inside of the bushings then place the bushings over the anti-sway bar (Figure 1).

3. Push the axle brackets over the bushings.

You may need a soft hammer to squeeze the brackets over the bushings.

4. Attach the new anti-sway bar to the rear axle.

Lube the anti-sway bar bushings with the supplied Aqua Lube grease and install on the bar. On each side, place the axle bracket over the bushing. Remove the shock bolt and mount the bracket in the hole directly below the shock (the round existing hole on each side) using the supplied bolts, washers and lock nuts. Mark for drilling using the upper mounting point of the bracket as a template, and then drill a 7/16" hole. Now, mount the remaining axle bracket hole using the supplied bolts, washers and lock nuts.

Using the supplied 3/8" bolts and washers, attach the anti-sway bar to the axle brackets. Tighten to 25 ft/lbs. *Note:* the anti-sway bar arms should point toward the rear of the truck.

5. Assemble the endlinks.

Loosely assemble the endlinks and attach one end to the anti-sway bar.

6. Locate the frame brackets.

Rotate the bar so the arms of the anti-sway bar are level with the road and the endlinks are pointing up. Temporarily hold the anti-sway bar in place with a jack stand or a floor jack. Attach the driver's side frame bracket to the top of the endlink. The endlink hole goes toward the front of the truck. The mounting bolts are behind the endlink, and the endlink mounts in the largest hole (Figures 2 and 3).

Place the long bolts with washers through the passenger side frame bracket. Place the upper frame bracket on top of the frame rail. Guide the bolts through the upper plate and install washers and nuts. Place the bracket so the endlinks are hanging down. The endlink hole in the driver's side frame bracket should face the rear of the vehicle (Figure 4). Tighten the frame bracket bolts to 40-50 ft./lbs. Tighten the endlink bolts so they don't move but you should still be able to spin the grommet after the final tightening. *Note:* do not compress the grommets. Now, reatttach the lower shock mount.

7. Road test and re-check fittings.

Figure 1

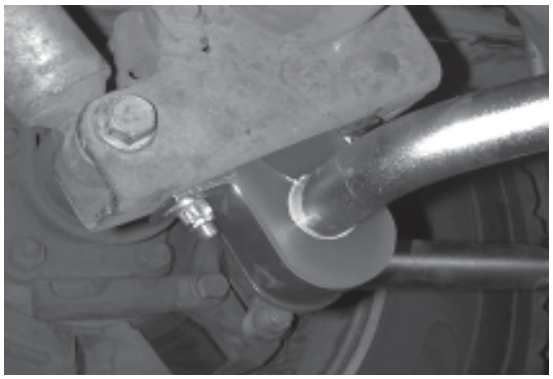


Figure 2

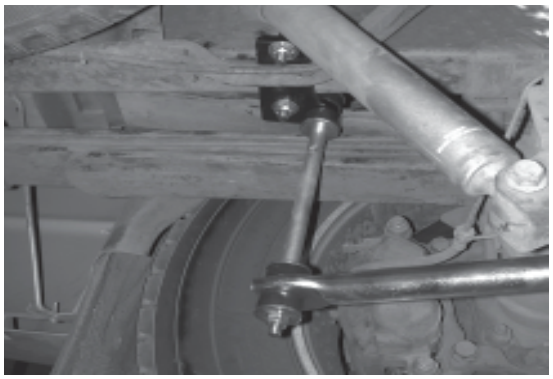


Figure 3

Figure 4