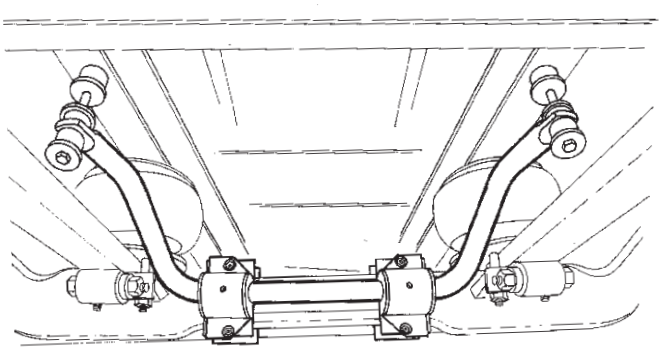
Installation Instructions

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

Front Anti-Sway Bar Kit for Spartan Mountain Master

part #1149-1055
1-5/8" diameter



INTRODUCTION

Thank you for purchasing this anti-sway bar kit. This kit is designed to improve the handling characteristics of your Spartan Mountain Master 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 rear anti-sway bar kit.

SUGGESTED TOOLS

The following tools are suggested to complete the installation procedures:

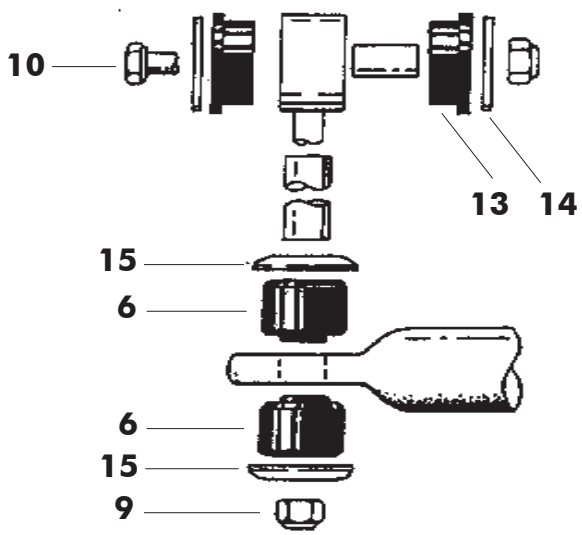
- Wrenches: 5/8", 11/16", 13/16", 7/8"
- Drill bits ¼" & ½"
- Drill motor
- Jack stands, 2 (optional)
- Floor jack, 5 ton (optional)

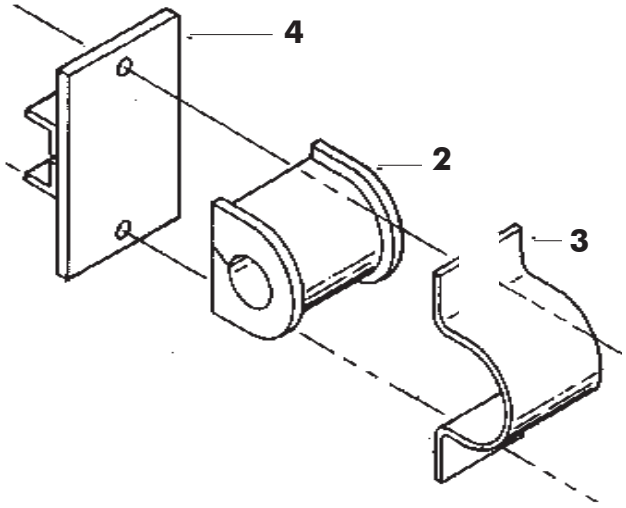
⚠ WARNING

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 #1149-1055

Part #	Description	Qty
1. 580054-00	Sway bar 1-5/8" front	1
2. 205212-10	Bushing, poly 1-5/8" i.d	2
3. B913	Bracket, saddle	2
4. B262	Bracket, plate w/angle	2
5. B263	Bracket, flat plate	2
6. 205381-00	Grommet, poly	4
7. 350219-00	Bolt, 9/16" x 6½"	4
8. B223	Endlink, 3" long	2
9. 350259-00	Locknut, 7/16" NC	4

Part #	Description	Qty
10. 350078-80	Bolt, 7/16" x 2½"	1
11. 350261-00	Locknut 9/16" NC	4
12. 205508-00	Sleeve, 5/8" x 1¼"	2
13. 205223-00	Bushing, poly hat	4
14. 350259-00	Washer, cut	8
15. 357434-00	Washer, cup	4
16. B268	Bracket, L	2
17. 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. **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.

2. **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.

⚠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 cause property damage, personal injury or even death.

3. **Prepare the anti-sway bar for installation.**
   Lubricate the inside of the bushing and place on the anti-sway bar. With the lubricant provided, grease the inside of the poly bushings (Figure 1) that fit around the center of the anti-sway bar. Place the bushings out toward the arms as far as they will go, without getting into the bend radius.

4. **Push the U-brackets over the bushings.**

5. **Fasten the anti-sway bar to the front axle.**
   Place the flat plates on the backside of the axle. Insert 9/16" bolts through the flat plates. Place on the backside of the axle with the spacing close to that of the bushings on the anti-sway bar (Figure 2).

6. **Slide the plates so that they angle onto the protruding bolts.**
   The angles on the flat plates should fit into the concave indention of the axle.

7. **Attach the anti-sway bar to the brackets.**
   With two people, lift the bar up so the ends are above the leaf springs, and the center of the bar is on the front side of the axle. Slide the U-brackets over the bolts and install the washers (just start the nuts).

   DO NOT tighten the bushings at this time. Leaving the bushings loose will make it easier to assemble the parts for an easier installation.

Figure 1

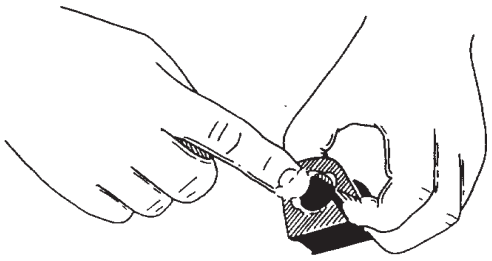
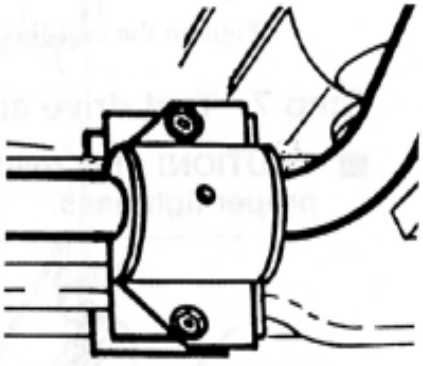


Figure 2



INSTALLATION

8. **Mark and drill the frame holes.**
   Measure forward 17-3/8" from the center line of the axle and mark the outside of the frame rail. Use the "L" bracket as a template for the hole locations (Figure 3).

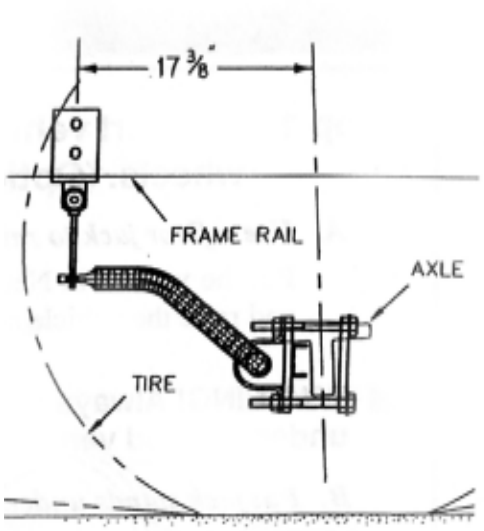
9. **Drill two holes.**
   Use a ¼" drill bit for the pilot hole, and ½" bit for the final hole.

10. **Attach the ends of the anti-sway bar.**
    Attach the "L" brackets to the frame with ½" bolts (Figure 3).

11. **Attach the endlinks.**
    Attach the endlinks to the L brackets with the provided 7/16" bolts. To connect the anti-sway bar to the endlink, refer to the parts list illustration for proper use of the cup washers and grommets.

12. **Tighten all fasteners.**
    Tighten the U-bracket bolts. Make sure the anti-sway bar is centered. Torque the U-bracket bolts to 100 ft.-lbs. Now, tighten the endlink grommets (Figure 4).

Figure 3

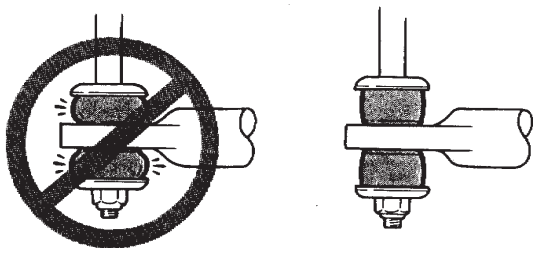


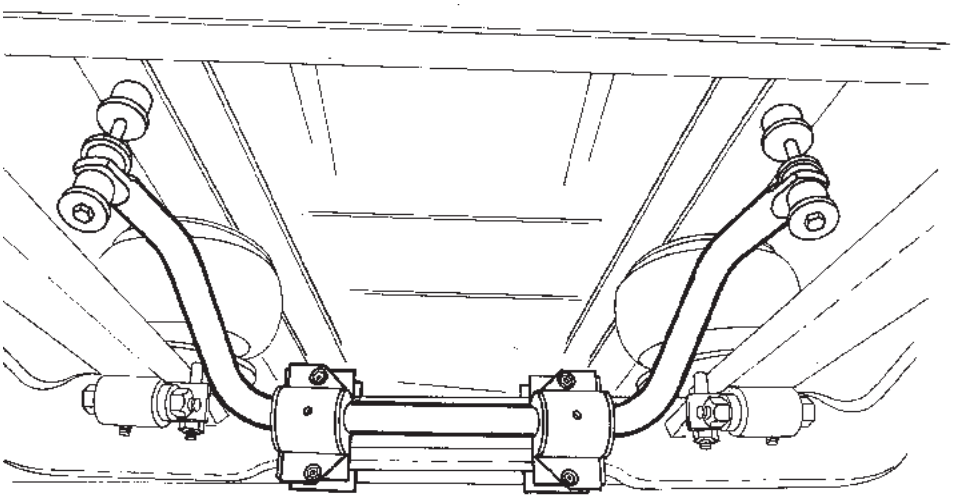
⚠WARNING

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.

Figure 4





13. Test drive and re-check all 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 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.

⚠WARNING

The anti-sway bar is not a load-bearing component

Do not tow or hoist the vehicle using the anti-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.