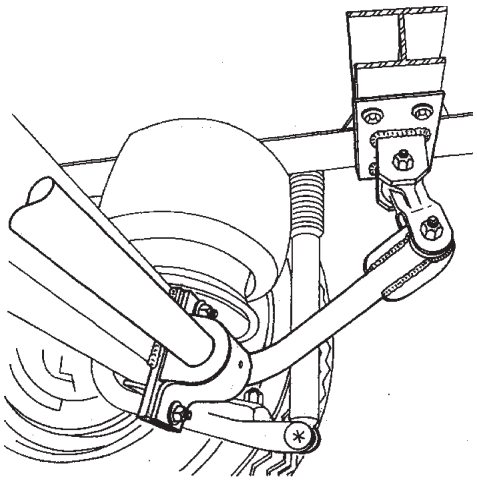
Installation Instructions

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

Rear Anti-Sway Bar Kit for Spartan Mountain Master

part #1149-106
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 front sway bar kit.

SUGGESTED TOOLS

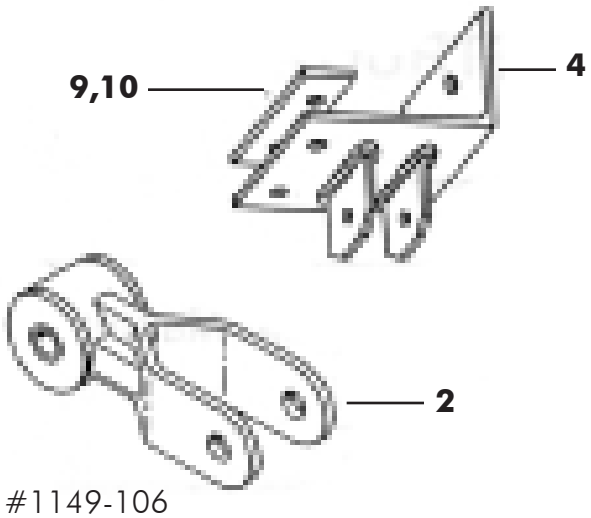
The following tools are suggested to complete the installation procedures:

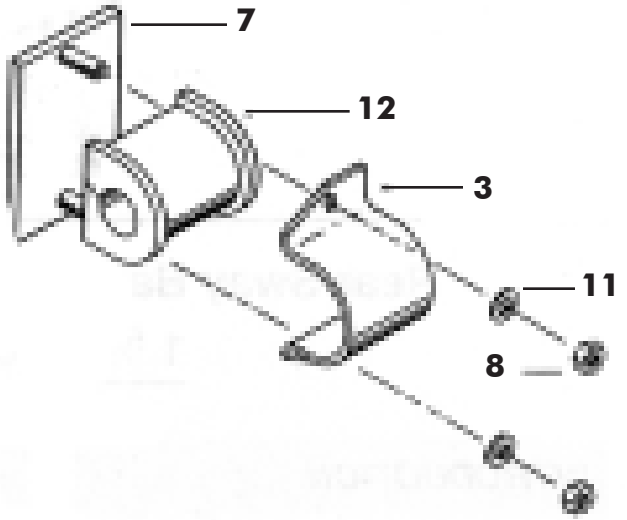
- ¾" & 15/16" wrenches
- Socket Wrench
- Safety Hood
- ¾" & 15/16" sockets
- Arc Welder
- 5 ton jack & jack stands

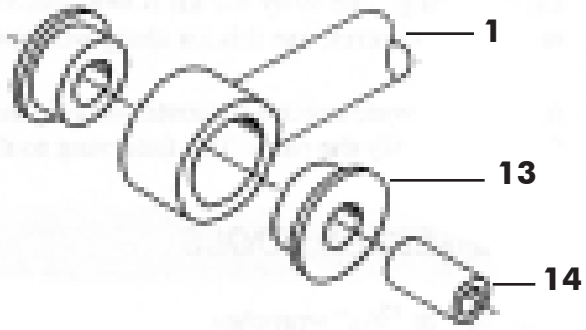
⚠ WARNING **Failure to follow these instructions can result in property damage, personal injury or even death.**

- 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 #1149-106

Part #	Description	Qty
1. 580031-00	Sway bar 1-5/8″	1
2. B285	Shackle	2
3. B264	U-clamp	2
4. B259	Angle bracket	2
5. 350158-00	Bolt	4
6. 350263-00	Nut	4
7. B260	Mounting plate	2
8. 350259-00	Nut	4
9. B265	Bracket ¼″	2
10. B266	Bracket 3/8″	2
11. 350308-00	Washer	4
12. 205212-10	Bushing, Poly split	2
13. 205209-00	Bushing	4
14. 205503-00	Sleeves	2
15. 400011-30	Grease	1
16. *205202-10	Poly bushing	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. **Support the vehicle and remove the rear wheels (optional).**
   A. 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 ground.

2. **Put jack stands under the frame.**
   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 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. **Attach the shackle assembly brackets to the frame.**
   A. Locate the cross member just behind the differential.
   There are three bolts, two on the bottom of the frame and one on the side of the frame that hold the cross member in place. The shackle assembly bracket attaches to the frame with these three bolts (Figure 1). *Note: The thickness of the frame determines which size spacer to use (B265 ¼" or B266 3/8").*

4. **Attach the brackets.**
   Remove the above described bolts, position the shackle assembly brackets to the frame, and re-install the bolts (Figure 1).

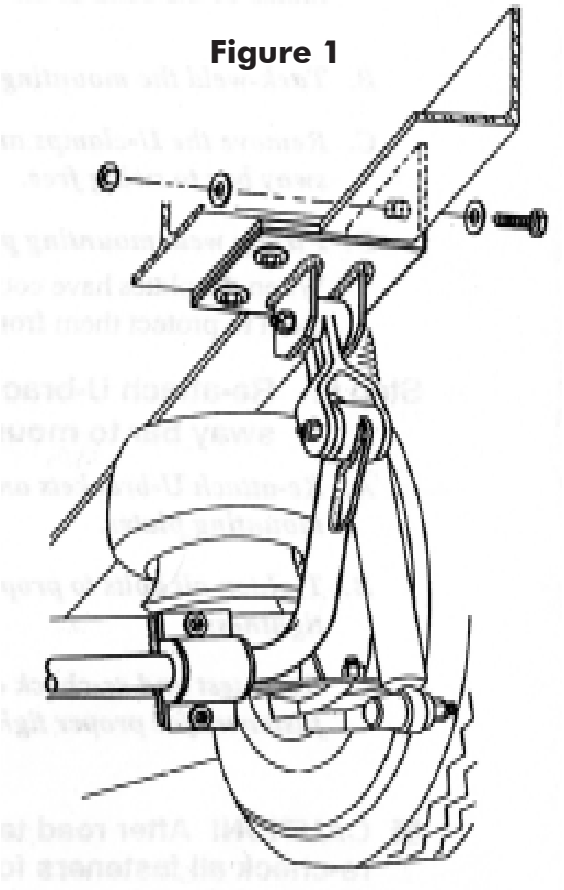
5. **Attach the shackles to the sway bar.**
   Insert a bushing into the sway bar eye. Attach the shackle to the sway bar end with an bolt and an nut. Repeat for the opposite end of the bar.

6. **Attach the shackle to the angle bracket.**
   Lift the sway bar/shackle assembly into the slots in the angle brackets.

7. **Attach the shackle to the angle bracket.**
   Attach the shackle to the angle bracket with an bolt an nut. Repeat this step for the other end of the bar. *Note: The sway bar should, at this time, swing freely under the vehicle.*

8. **Assemble the U-clamp fittings on the sway bar.**
   Install the bushings to the center section of the sway bar.
   Use the provided lubricant on the inside of the bushing (Figure 3).

Figure 1



9. **Push the U-clamp onto the bushing and attach the mounting plate.**
   Push the U-clamp onto the bushing. Attach the flat mounting plate with the N210 nuts.

10. **Weld the mounting plates to the cross member.**
    Locate the mounting plates to the cross member. The U-clamp assemblies should attach to the cross member as far as possible towards the ends of the bar without interfering with the operation of the air bags or being within the radius of the bend in the bar.

11. **Trac-weld the mounting plates in place.**

12. **Remove the U-clamps and allow the sway bar to swing free.**

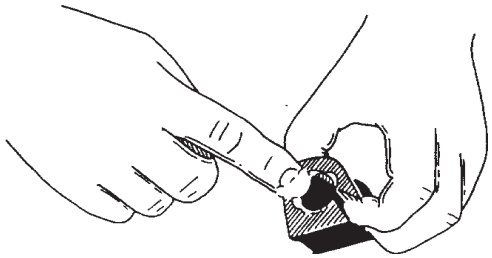
13. **Firmly weld the mounting plates in place.**
    When the plates have cooled, spray paint them to protect them from deterioration.

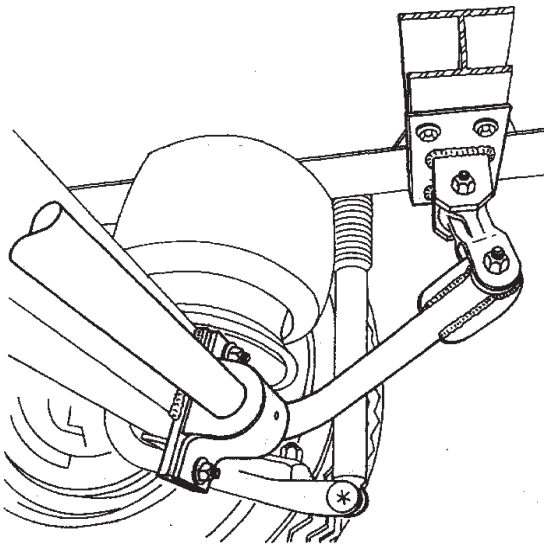
14. **Re-attach the U-brackets and the sway bar to the mounting plates.**

15. **Tighten all bolts to the proper tightness.**

16. **Test drive and inspect the installation.**
    Make sure all the fasteners are tightened correctly. Test drive the vehicle and listen for noise. Inspect the sway bar assembly after the test drive.

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 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 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 sway bar is not designed to carry the weight of the vehicle and may collapse, which will damage the 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.