85-5866 rev. 00 02-18

Installation Instructions

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

Rear Anti-Sway Bar Kit for the Ford E450

part #1139-197
1½" diameter

INTRODUCTION

Thank you for purchasing this anti-sway bar kit. This kit is designed to improve the handling characteristics of your Ford E450 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:

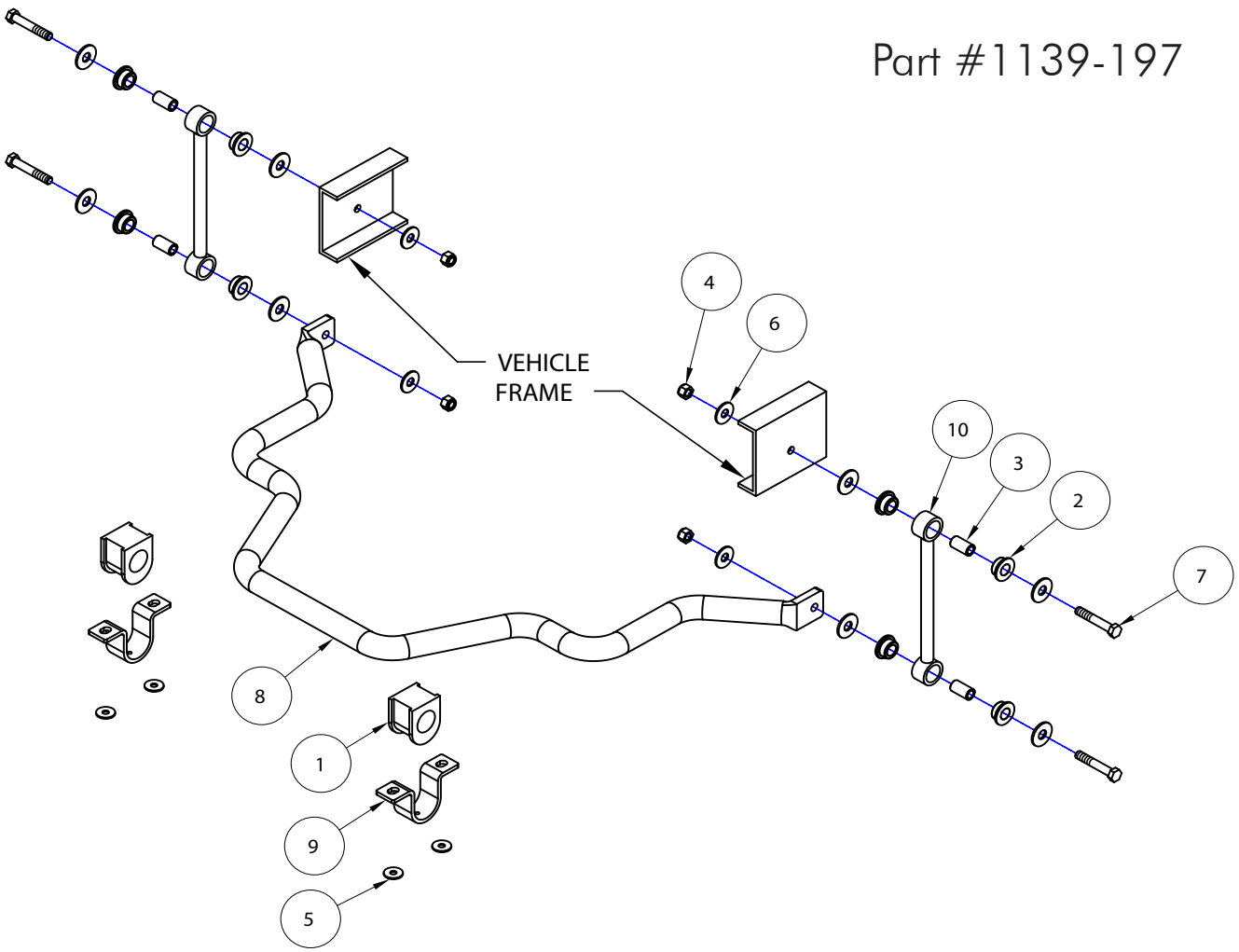
• Assorted wrenches • Assorted sockets • General hand tools • Electric drill

⚠ 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



ITEM	QTY	PART#	DESCRIPTION
1	2	205217-10	BUSHING
2	8	205223-50	BUSHING
3	4	205522-00	BUSHING SLEEVE
4	4	350259-00	1/2-13 NYLON LOCK NUT
5	4	350304-80	3/8" FLAT WASHER
6	12	350308-00	1/2" FLAT WASHER

ITEM	QTY	PART#	DESCRIPTION
7	4	350706-00	1/2-13 x 3" GRADE 8 BOLT
8	1	580010-00	ANTI-SWAY BAR
9	2	B141	BUSHING CLAMP
10	2	B451	END LINK
11*	1	400011-30	AQUALUBE
12*	1	200544-00	LOCTITE

*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. **Remove the factory endlinks.**
   On each side, disconnect the endlink from the frame rail.

2. **Remove the factory anti-sway bar from the axle.**
   Remove two 10mm x 1.5 bolts attaching the bushing clamps to the anti-sway bar and axle.

⚠WARNING

Removing the bushing clamps will release the anti-sway bar. 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.

3. **Lubricate the new bushings with the supplied grease**
   Put a thorough coating of grease on the inside of each 205217-10 saddle bushing (Figure 1).

4. **Place the bushings and clamps on the anti-sway bar and lift it into place.**
   Lift the anti-sway bar into place, centering the B141 bushing clamps over the bushings and align them with the existing axle mount plates. On each clamp, place the supplied 3/8" washers over the 10mm x 1.5 bolts you removed in step 1. Use Loctite Red® on both bolts. Ensure the bar is centered side-to-side and then tighten the bolts to 35 ft.-lbs.

5. **Connect the endlinks to the bar.**
   Assemble the 205223-50 poly hat bushings and 205522-00 sleeves as illustrated on page 2. Then attach the B451 endlinks to the outside of the bar using the supplied ½" x 3" bolts, ½" washers and ½" nuts (Figure 3). Leave the bolts finger-tight for now.

6. **Mount the endlink to the frame rail on each side.**
   Note: the endlinks for the Roadmaster Anti-Sway Bar mount to the frame in a different location than the factory endlink. New holes must be drilled in the frame to ensure correct orientation of the new endlinks (Figure 4).

continued on next page

Figure 1

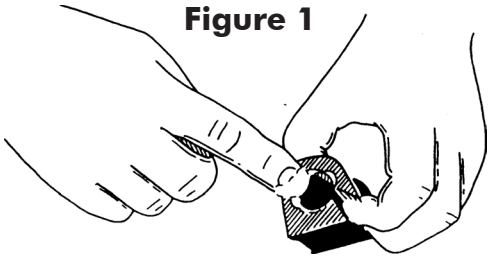


Figure 2

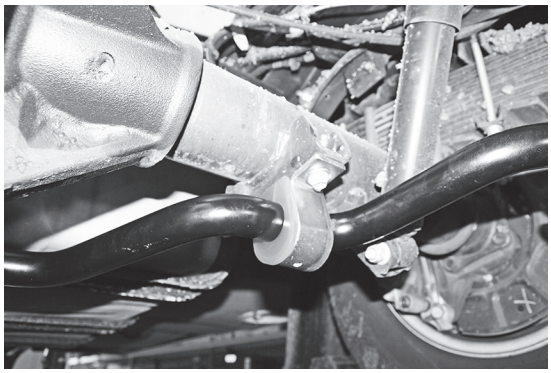


Figure 3

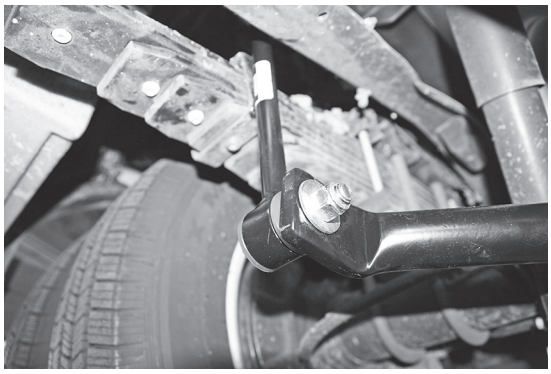


Figure 4

continued from previous page

With the vehicle at normal ride height, and suspension loaded, orient the swaybar so it's parallel with the ground. A jack stand can be helpful for this.

With the swaybar parallel with the ground, orient the endlink so that it's vertical. Mark the frame using the top hole of the endlink as a template. Rotate the end link away and drill a 17/32" hole in the frame. *Note: check the inside of the frame rail for possible interference before drilling.*

Place a 1/2" washer on either side of the endlink, then bolt through the washer, endlink, washer and the hole that was drilled in the frame. Finish with another 1/2" washer and 1/2" nut on the inside of the frame rail. Torque both upper and lower endlink bolts to 80 ft-lbs.

Figure 5 shows the final installation.

Figure 5

7. **After road testing, re-check all fasteners for proper tightness**

⚠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 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.