



REFLEX STEERING STABILIZER **KIT# RBK20**

INSTALLATION INSTRUCTIONS

85-4166-05
10-20

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com



Part #	Description	Qty
1. B824	Tie Rod Bracket.....	1
2. 355710-00	10mm Metric Flat Washer	4
3. 350255-00	3/8" Lock Nuts.....	4
4. SMU38	3/8" U-bolt, small	2

WARNING

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

- The installer must read the instructions and use all bolts and parts supplied. Failure to securely fasten the stabilizer could result in loss of the stabilizer, damage to the vehicle, personal injury or even death.
- There must be adequate clearance between the Reflex Steering Stabilizer and all chassis and steering parts, and any other components, or non-warranty damage to the vehicle will result. After final installation, the installer must inspect the stabilizer to ensure adequate clearance. Some minor adjustments may be needed to achieve this; always verify that the steering wheel remains centered before and after these adjustments.
- Always test drive the vehicle to confirm the steering wheel settings. If the vehicle pulls to either side, the center positioning must be adjusted. If the steering wheel does not return to the center position, the tie rod bracket may require minor adjustments. Failure to adjust the center positioning may result in a loss of vehicular control.
- After installing the Reflex Steering Stabilizer, any technician performing alignment or suspension work on the motorhome must loosen the tie-rod bracket to adjust the toe; the technician must also re-adjust the steering damper. Failure to adjust the center positioning may result in a loss of vehicular control.
- 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 vehicle manufacturer after this kit was designed, some bolts or other fasteners in the included hardware pack may no longer be the correct size. It is the installer's responsibility to verify that the stabilizer is securely fastened to the vehicle, and fitted with the correct hardware, to account for these changes. Failure to securely fasten the stabilizer could result in loss of the stabilizer, damage to the vehicle, personal injury or even death.
- Except to adjust for running changes to the vehicle, use only the parts supplied by ROADMASTER to install the stabilizer. Using substandard grade parts or parts of the wrong size may result in loss of the stabilizer, damage to the vehicle, personal injury or even death.
- Once a year, the owner must inspect the fasteners for proper tightness and/or torque, according to the bolt torque requirements chart in these instructions. Failure to securely fasten the stabilizer could result in loss of the stabilizer, damage to the vehicle, personal injury or even death.
- Do not use an air impact wrench when reinstalling bolts, as stripped threads may result.
- This stabilizer is only warranted for the original installation. Installing a used stabilizer on another vehicle is not recommended and will void the warranty.



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Note: Before installing the shock component of this system, please ensure that the spring is fully-seated in its track on the collar of the unit. If it is installed without the spring fully-seated in its track, the unit could malfunction or otherwise fail to operate properly (Fig.1).

1. Center the steering wheel on the vehicle, locking it into position.
2. Remove the existing steering damper and bolts. Retain the chassis bolt. It will be used in a later step.
3. Now, using the factory mounting bracket holes, install the Reflex chassis bracket to the frame using the factory hardware, and tighten (Fig.2).
4. Install the tie rod bracket to the tie rod and attach it to the Reflex stabilizer with one grommet bushing and one cup washer on each side of the bracket (Fig.3). Finger-tighten it only.
5. Tighten the stabilizer, making certain that the shaft isn't spinning. Now, tighten the U-bolts, torquing them to approximately 30 ft./lbs. Figure 3 shows the completed installation.
6. Test drive the vehicle to make certain that the Reflex stabilizer is adjusted properly. If the steering pulls to either side, center it by loosening the bracket U-bolts at the tie rod, and then reposition it. Tighten the bolts and test drive it once again, repeating the process until the proper adjustment is achieved.

