# Reflex Steering Stabilizer Installation Instructions

## Free Extended Warranty
You must accurately and completely fill out and mail the product registration card within thirty (30) days from the date of purchase to qualify for your warranty. **If we receive your card, completely and accurately filled out, within twenty (20) days from the date of purchase, we will extend the coverage to a total of two (2) years at no extra charge.**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. B800</td>
<td>Chassis Bracket</td>
<td>1</td>
</tr>
<tr>
<td>2. B801</td>
<td>Tie Rod Bracket</td>
<td>1</td>
</tr>
<tr>
<td>3. 355710-00</td>
<td>10mm Metric Flat Washer</td>
<td>3</td>
</tr>
<tr>
<td>4. 355715-00</td>
<td>10mm Metric Lock Washer</td>
<td>3</td>
</tr>
<tr>
<td>5. 356103-10</td>
<td>10mm x 1.5 x 40mm Cs Zp</td>
<td>3</td>
</tr>
<tr>
<td>6. SMU38</td>
<td>Small U bolt</td>
<td>2</td>
</tr>
</tbody>
</table>

### 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.
1. Center the steering wheel on the vehicle, locking it into position.

2. Remove the factory steering damper, mounting brackets and bolts (Fig.1). Do not discard the U-bolts, nuts and washers, as they 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 supplied 10mm x 1.5 x 40mm bolts, 10mm flat washers and 10mm lock washers (Fig.2).

4. Install the tie rod bracket to the Reflex stabilizer on the spring casting end, re-using the factory U-bolts, washers and nuts. Finger-tighten it only (Fig.3).

5. Install the chassis bracket to the Reflex stabilizer on the piston end.

6. Tighten the stabilizer, making certain that the shaft isn’t spinning. Now, tighten the U-bolts. Torque them to the manufacturer’s recommendations. Note: the drag link should be rotated completely counterclockwise at this point (Fig.4).

7. 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.

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**BOLT TORQUE REQUIREMENTS**

**STANDARD BOLTS**

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>Grade</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>5</td>
<td>30 ft./lbs.</td>
</tr>
<tr>
<td>7/16</td>
<td>5</td>
<td>50 ft./lbs.</td>
</tr>
<tr>
<td>1/2</td>
<td>5</td>
<td>75 ft./lbs.</td>
</tr>
<tr>
<td>5/8</td>
<td>5</td>
<td>140 ft./lbs.</td>
</tr>
</tbody>
</table>

**Note:** Endlink bolts use grommets and should NOT be torqued. Tighten these bolts by hand until the grommet starts to deform.

**Note:** These torque values are intended as general guidelines. Torque requirements for specific applications may vary. Roadmaster does not warrant this information to be accurate for all applications and disclaims all liability for any claims or damages which may result from its use.
LIMITED WARRANTY

1. WARRANTY

1a. WARRANTY OF CONFORMITY AT TIME OF SALE
ROADMASTER, Inc. warrants that at the time of sale of this product it will be free from defects in material and manufacture and will conform to ROADMASTER’S specifications for the product.

1b. CONDITIONAL ONE-YEAR WARRANTY
In addition to the preceding time-of-sale warranty, if the product registration card is completely and accurately filled out and mailed to ROADMASTER within thirty (30) days of purchase, ROADMASTER will provide an additional warranty that for a period of one year after sale the product will remain in good working order. PROVIDED THAT the product is installed and maintained in accordance with ROADMASTER’S instructions and is not subjected to: (a) alteration or unauthorized repairs or repairs by anyone other than ROADMASTER or a ROADMASTER-authorized service center, (b) misuse, abuse, commercial use, or improper maintenance, (c) Acts of God (including without limitation hurricanes, tornados, floods, or other severe weather or natural phenomena), (d) failures due to products not supplied by ROADMASTER, or (e) other treatments, uses, or installations for which the product was not intended. This warranty extends only to the first retail purchaser-consumer of the product and is not transferable.

EXTENDED WARRANTY PERIOD: If ROADMASTER receives the product registration card, completely and accurately filled out, within twenty (20) days of purchase, ROADMASTER will enhance the one-year warranty period in the preceding paragraph to a period of two years.

2. DISCLAIMER OF OTHER WARRANTIES
The preceding warranties are the exclusive and sole express warranties given by ROADMASTER. They supersede any prior, contrary or additional representations, whether oral or written. No agent, representative, dealer or employee has the authority to alter or increase the obligations or limitations of this warranty. Any implied warranties, including the WARRANTY OF MERCHANTABILITY and any WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, are limited in duration to thirty days or the term of the applicable express warranty provided above, whichever is longer.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

3. EXCLUSIVE REMEDY FOR ANY NONCONFORMITIES
If during the applicable Warranty Period, the product does not conform to the preceding Warranties, notify ROADMASTER as provided below, and within a reasonable time ROADMASTER will provide, at its option, one of the following: (1) replacement components for any nonconforming or defective product or components or (2) the percentage of the purchase price for the nonconforming product equal to the percentage of the Warranty Period remaining when ROADMASTER is notified of the nonconformity. ROADMASTER will, at its option, (a) use new and/or reconditioned parts in performing warranty repairs and making replacement products, (b) use parts or products of original or improved design in the repair or replacement. If ROADMASTER repairs or replaces a product, its warranty continues for the remaining portion of the original Warranty Period or 60 days from the date of the return shipment to the customer, whichever is greater. All replaced products and all parts removed from repaired products become the property of ROADMASTER. ROADMASTER will not provide, and will not be liable for, labor, costs of removal or reinstallation of components, disposal, shipping, freight, taxes, or other incidental charges.

THESE REMEDIES ARE THE EXCLUSIVE AND SOLE REMEDIES FOR ANY BREACH OF WARRANTY.
For any breach of warranty, the Owner must telephone ROADMASTER at 1-800-669-9690 within thirty (30) days after discovering the nonconformity. Do not return any product without first calling ROADMASTER and getting a return authorization number. Returned products must include the return authorization number and a copy of the original invoice, bill or other proof of the date of purchase. The date of purchase must coincide with the original warranty registration card on file. ROADMASTER will authorize (a) shipment of the product to ROADMASTER or (b) repair or replacement at the nearest warranty service center— in both cases with shipping at your expense. Do not purchase replacement parts or pay for repair labor—you will not be reimbursed. Compliance with the requirements of this paragraph is a condition to coverage under the Warranty: if these requirements are not complied with, ROADMASTER will have no obligation to provide any remedy for any breach of warranty.

4. DISCLAIMER OF INCIDENTAL AND CONSEQUENTIAL DAMAGES
IN NO EVENT SHALL ROADMASTER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.
Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

5. APPLICABLE LAW
This Warranty will be interpreted, construed, and enforced in all respects in accordance with the laws of the State of Washington, without reference to its choice of law rules. The U.N. Convention on Contracts for the International Sale of Goods will not apply to this Warranty.

6. SEVERABILITY
If any provision of this warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect, and the invalid provision shall be partially enforced to the maximum extent permitted by law to effectuate the purpose of the agreement.

7. ADDRESS FOR NOTICES TO ROADMASTER
ROADMASTER, Inc., 6110 NE 127th Ave., Vancouver, WA 98682
This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.