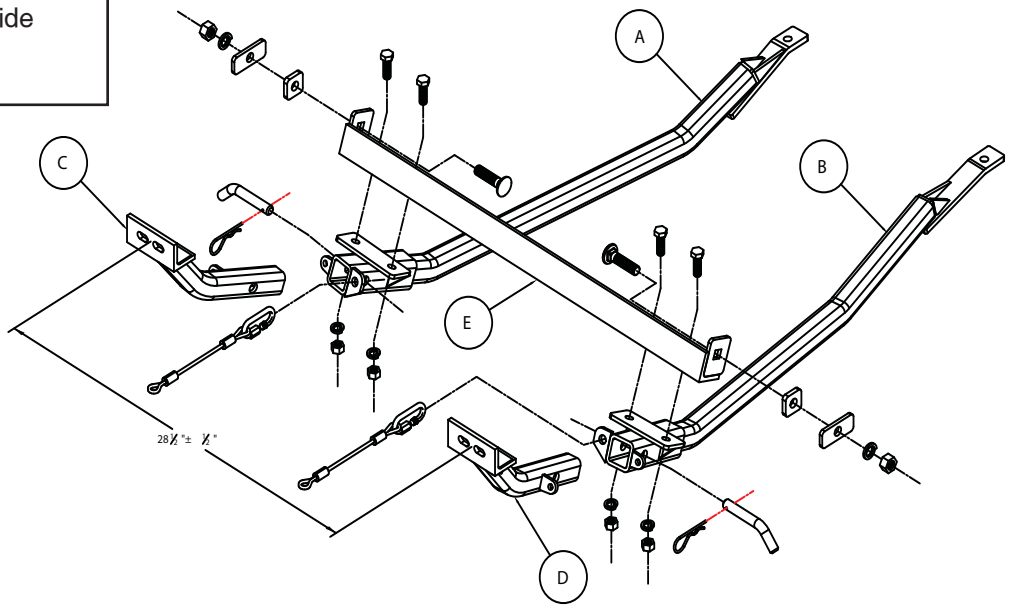
MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-735-9300 www.roadmasterinc.com

PARTS LIST:
1- MAIN RECEIVER (A) - Passenger side
1- MAIN RECEIVER (B) - Driver's side
1- FRONT BRACE (C) - Passenger side
1- FRONT BRACE (D) - Driver's side
1- CROSS BRACE (E)

KIT NO. 1528-3



02-11-11

IMPORTANT: All brackets ***must*** be assembled with all the bolts left loose for final adjustment and positioning (before tightening) unless otherwise instructed. All bolts ***must*** be torqued for proper strength. If more than one bolt is used per fastening point, the diagram may only show one.

• Use flat washers over all slotted holes • Use lock washers on all fasteners

ROADMASTER Limited Warranty, including One-Year Conditional Warranty Text and Product Registration Card, in Carton.

⚠ WARNING

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

- **Installation of most mounting brackets requires moderate mechanical aptitude and skills.** We strongly recommend professional installation by an experienced installer.
- **The installer must read the instructions and use all bolts and parts supplied.** Failure to do so could result in loss of the towed vehicle.
- **Use Loctite® Red** on all bolts used for mounting this bracket.
- **Do not use this document for custom fabrication,** as it may not show all parts or structural components. Custom fabrication or an attempt to copy this bracket design could result in loss of the towed vehicle.
- **Every 3,000 miles, the owner must inspect the fasteners** for proper torque, according to the bolt torque requirements chart on the last page of these instructions. **The owner must also inspect all mounts and brackets for cracks or other signs of fatigue every 3,000 miles.** Failure to do so could result in loss of the towed vehicle.
- **The owner must check the vehicle manufacturer's instructions for the proper procedure(s) to prepare the vehicle for towing.** Some vehicles must be equipped with a transmission lube pump, an axle disconnect, driveline disconnect or free-wheeling hubs before they can be towed. Failure to properly equip the vehicle will cause severe damage to the transmission.
- **If running changes were made** by the vehicle manufacturer after this bracket was designed, some bolts or other fasteners in the hardware pack may no longer be the correct size. **It is the installer's responsibility** to verify that the bracket is securely fastened to the vehicle and fitted with the correct hardware to account for these changes. Failure to securely fasten the bracket could result in loss of the towed vehicle.
- If the towed vehicle has been in an accident, it must be properly repaired before attaching the bracket. **Do not install the bracket if any structural frame damage is found.** Failure to repair the damage could result in the loss of the towed vehicle.
- Some motorhome chassis have such a tight turning radius that you can damage your motorhome, towed vehicle, tow bar or bracket while turning sharply. **Before getting on the road, test your turning radius in an empty parking lot.** Turning too sharply could result in non-warranty damage to towing system, motorhome and/or towed vehicle.
- **Do not back up with the towed vehicle attached** or non-warranty damage will occur to your towing system, motorhome and/or towed vehicle.
- **The safety cables must connect the towing vehicle to the towed vehicle frame to frame, with the cables crossed, with enough slack for sharp turns.** Refer to the cable instructions for proper routing. Failure to leave enough slack in the safety cables, or failure to connect the safety cables frame to frame, will result in the loss of the towed vehicle.
- This bracket is designed for use with ROADMASTER tow bars and ROADMASTER adaptors only. **Using this bracket with other brands, without an approved ROADMASTER adaptor, may result in non-warranty damage or injury.**
- Upon final installation, **the installer must inspect the bracket to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc.**, or non-warranty damage to the towed vehicle will result.
- **This bracket is only warranteed for the original installation.** Installing a used bracket on another vehicle is not recommended and will void the warranty.

MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-735-9300 www.roadmasterinc.com

KIT NO. 1528-3

1. ***Important:* please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel.** Now, begin the installation. This bracket kit is one of our XL Series, which is partly removable, and is designed to mount between the front tie down plates and to the front suspension subframe.
2. Hold the cross brace between the front tie down plates and bolt on each side with 5/8" x 2½" carriage bolts, ¼" x 1¼" x 3" backing plates, lock washers and nuts. The brace should be positioned with the angle face forward and four mounting holes underneath. Insert the 5/16" x 1½" x 1½" spacer plate as needed between the cross brace and the inside of the tie downs.
3. Hold the driver's side receiver brace to the bottom of the cross brace and notice where the rear of the brace fits over the subframe. The end will fit between the subframe and the round tubular sway bar. You should be able to locate a large subframe mounting bolt very close to the end of the brace. Remove this bolt, then bolt through the end of the brace with the original bolt. *Note:* this bolt is one of two on each side, and the bolts we will use are the ones closest to the car center line. *Note:* use thread lock on the factory bolt prior to reinstalling it.
   Also, the driver's side and passenger side braces are different. The long rear bend in the tube is the driver's side, the shorter sharper bend is the passenger side. Do not reverse the braces, as damage to your vehicle may result.
4. Align the front of the brace to the driver side holes in the bottom of the cross brace. Bolt through these holes as illustrated with ½" x 1½" bolts, lock washers and nuts.
5. Follow steps 3 and 4 for the passenger side receiver brace. Torque all bolts to the specifications below. Using the drawing on the first page as a reference, measure between the two front braces, ensuring that the distance is still 28" +/- ½".
6. Now, insert the front braces into the receiver braces and pin in place with the 5/8" draw pins and 1/8" spring pins. Recheck the measurements, to make certain this distance is still 28" +/- ½".
7. Install the tow bar according to the manufacturers instructions.
8. Attach the 12" safety cables to the receiver brace using the supplied cable connectors. Connect the other end to the tow vehicle's safety cables and tow bar.

HARDWARE LIST:

4-1/2" X 1 ½" BOLTS
2-5/8" X 2 1/2" CARRIAGE BOLTS
2-5/8" LOCK WASHERS
2-5/8" NUTS
4-1/2" NUTS
4-1/2" LOCK WASHERS
2-1/4" X 1 ¼" X 3" BACKING PLATES
2-5/8" DRAW PINS
2-5/16" x 1 1/2" x 1 1/2" SPACER PLATES
2-1/8" SPRING PINS
2-CABLE CONNECTORS
2-12" CABLES
also available: 1528-3HK hardware kit (includes all bolts, washers and miscellaneous parts listed above)

BOLT TORQUE REQUIREMENTS

Note: The torque values represented below 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.

STANDARD BOLTS

Thread Size	Grade	Torque
5/16	5	13 ft./lb.
3/8	5	23 ft./lb.
7/16	5	37 ft./lb.
1/2	5	56 ft./lb.
5/8	5	150 ft./lb.

METRIC BOLTS

Thread Size	Grade	Plated / Unplated
8mm-1.0	8.8	20 ft./lb. 18 ft./lb.
8mm-1.25	8.8	19 ft./lb. 18 ft./lb.
10mm-1.25	8.8	38 ft./lb. 36 ft./lb.
10mm-1.5	8.8	37 ft./lb. 35 ft./lb.

METRIC BOLTS

Thread Size	Grade	Plated / Unplated
12mm-1.25	8.8	70 ft./lb. 65 ft./lb.
12mm-1.5	8.8	66 ft./lb. 61 ft./lb.
12mm-1.75	8.8	65 ft./lb. 60 ft./lb.
14mm-2.0	8.8	104 ft./lb. 97 ft./lb.