

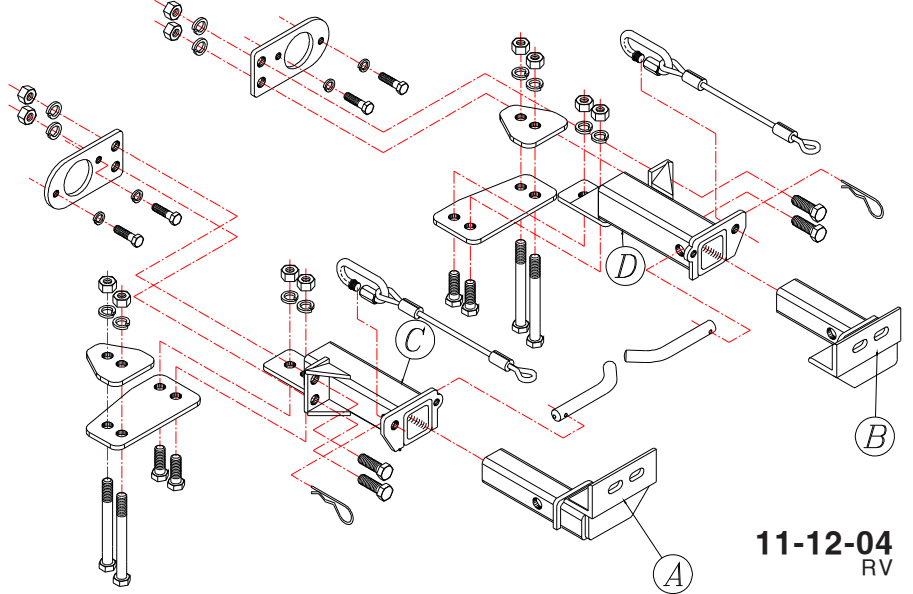
BASEPLATE KIT INSTALLATION INSTRUCTIONS

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

PARTS LIST:

- 1- LOWER RECEIVER (A) - Passenger side
- 1- LOWER RECEIVER (B) - Driver's side
- 1- MAIN BRACE (C) - Passenger side
- 1- MAIN BRACE (D) - Driver's side

KIT NO. 1217-2



11-12-04
RV

IMPORTANT: All baseplates **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 and lock washers on all fasteners.

WARNING

Failure to heed these warnings or follow the installation instructions may result in a voided warranty, loss of towed vehicle, personal injury or death.

- Do not weld or modify this baseplate or its components. Welding or modification will void the warranty.
- Do not use this document as a basis to design/fabricate a baseplate, as it may not show all parts or structural components.
- We strongly recommend professional installation.
- If the towed vehicle has been in an accident, it must be properly repaired before attaching the baseplate. Do not install the baseplate if any structural frame damage is found.
- The installer must use all bolts and parts supplied. If running changes were made by the vehicle manufacturer after this kit was designed, some bolts or other fasteners may no longer be the correct size. It is the installer's responsibility to verify this kit is securely fastened to the vehicle.
- Use Loctite® Red on all bolts used to secure this baseplate. Torque all bolts to the specifications found at the end of these instructions. Do not over-torque the bolts or failure may occur.
- The installer must inspect the baseplate to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc. or non-warranty failure may result.
- Roadmaster manufactures many styles of baseplates. If your baseplate has removable arms, they must be removed before driving the vehicle, unless the arms can be pinned or padlocked in place. If not secured, the arms could vibrate out.
- Some motorhome chassis have such a tight turning radius that you can damage your motorhome, towed vehicle, tow bar or baseplate 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 your 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 or vehicles.
- 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. See cable instructions for proper routing. Failure to do so will result in non-warranty damage and/or the loss of the towed vehicle.
- This kit is designed for use with ROADMASTER tow bars and ROADMASTER adapters only. Using this kit with other brands, without an approved ROADMASTER adapter, may result in non-warranty damage or injury.
- Receiver extensions and out-of-level towing situations of 3 inches or more. This can cause the system to swing much higher and lower, causing excessive strain on the tow bar, baseplate and frame. That can cause the towing system to fail, causing property damage, personal injury or even death. If you must use a receiver extension or drop hitch to tow, it will reduce your receiver's weight capacity by 1/3 to avoid damaging your system. Never use more than one extension and/or drop hitch, as this will void your warranty.
- Every 3,000 miles, the owner must inspect all mounting points for cracks or fatigue, and check the fasteners for proper torque, according to the bolt torque requirements chart on the last page of these instructions.
- The owner must follow the vehicle manufacturer's instructions to prepare the vehicle for towing. Failure to do so may cause severe damage to the vehicle.
- This baseplate is only warranted for the original installation. Installing a used baseplate on another vehicle is not recommended and will void the warranty.

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KIT NO. 1217-2

- 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 an XL Series quick disconnect bracket set consisting of two receiver braces, two detachable front braces and a hardware kit. There are also four mounting plates. The receivers will bolt behind the bumper using the front bumper mounting bolts as attachment points. Start the kit installation by removing two reflectors on the front of the bumper. These can be pried out using a small screwdriver. This will expose the bumper mounting bolts and the screw in tow bolt on the passenger side. *Note:* some vehicles may have fog lights in this area and they will have to be removed.
- Start on the passenger side first. Remove the 8mm bolts directly accessed through the front of the bumper. Hold a ¼" mounting plate with the large round hole over the welded nut assembly and bolt in place using two supplied 8mm x 1.25 x 35mm bolts and lock washers.
- Insert the passenger side receiver through the front of the bumper and bolt through the mounting plate using two ½" x 1 ½" bolts, lock washers and nuts.
- Bolt the ¼" mounting plate to the back of the receiver using two ½" x 1 ½" bolts, lock washers and nuts. Be sure the plate is under the frame.
- Check to be certain everything is aligned. Then, using the plate as a template, drill two ½" holes through the frame. Be careful not to drill through anything on the top side of the frame.
- Bolt through the mounting plate and the frame with the two supplied ½" x 5" bolts, lock washers and nuts. *Note:* be sure to use the triangular backing plate on the top of the frame.
- Follow steps 2 through 6 for the drivers side. *Note:* the driver's side will not have the welded tow nut.
- Install the front braces in the receivers and secure with the included 5/8" draw pins and spring pins. Now, tighten all bolts to the torque specifications below.
- Mount the tow bar according to the manufacturer's instructions.
- Save the 8mm bolts and reflector covers for dismounting the braces at a later date. *Note:* the tow vehicle's safety cables must be attached to the receiver braces with the quick links and safety cables provided.

HARDWARE LIST

| | |
|---------------------------|---------------------|
| 4-8MM X 1.25 X 35MM BOLTS | 12-1/2" NUTS |
| 4-8MM LOCK WASHER | 2-5/8" DRAW PINS |
| 8-1/2" X 1 ½" BOLTS | 2-1/8" SPRING PINS |
| 4-1/2" X 5" BOLTS | 2-QUICK LINKS |
| 12-1/2" LOCK WASHERS | 2-15" SAFETY CABLES |

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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 | | | METRIC BOLTS | | | METRIC BOLTS | | |
|----------------|-------|-------------|--------------|-------|-----------------------|--------------|-------|------------------------|
| Thread Size | Grade | Torque | Thread Size | Grade | Plated/Unplated | Thread Size | Grade | Plated/Unplated |
| 5/16 | 5 | 13 ft./lb. | 8mm-1.0 | 8.8 | 20 ft./lb. 18 ft./lb. | 12mm-1.25 | 8.8 | 70 ft./lb. 65 ft./lb. |
| 3/8 | 5 | 23 ft./lb. | 8mm-1.25 | 8.8 | 19 ft./lb. 18 ft./lb. | 12mm-1.5 | 8.8 | 66 ft./lb. 61 ft./lb. |
| 7/16 | 5 | 37 ft./lb. | 10mm-1.25 | 8.8 | 38 ft./lb. 36 ft./lb. | 12mm-1.75 | 8.8 | 65 ft./lb. 60 ft./lb. |
| 1/2 | 5 | 56 ft./lb. | 10mm-1.5 | 8.8 | 37 ft./lb. 35 ft./lb. | 14mm-2.0 | 8.8 | 104 ft./lb. 97 ft./lb. |
| 5/8 | 5 | 150 ft./lb. | | | | | | |