

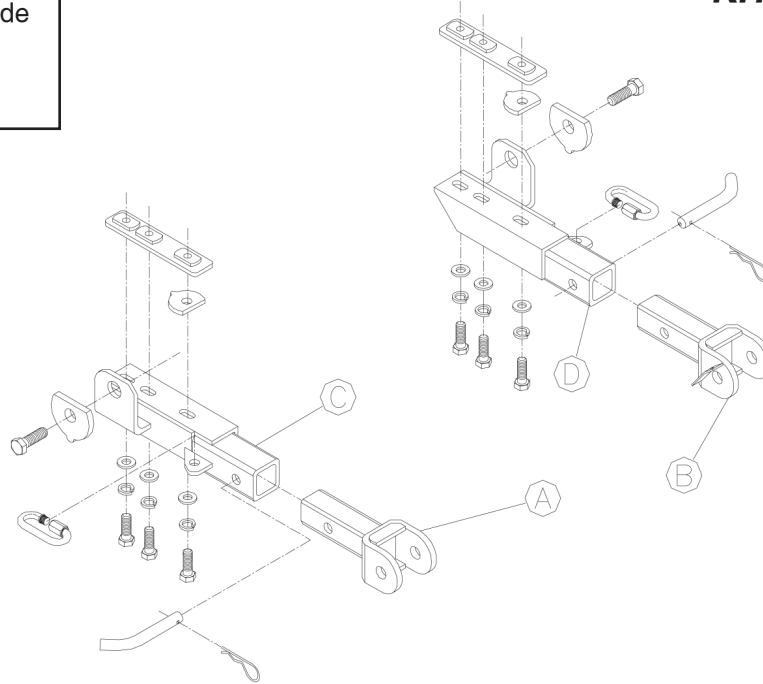
BASEPLATE KIT INSTALLATION INSTRUCTIONS

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

PARTS LIST:

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

KIT NO. 131-3



11/14/01

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. 131-3

Congratulations! You have just purchased another fine Roadmaster product. Thank you.

1. This bracket kit is one of our MX series, which is partially removable and is designed to be used with Roadmaster tow bars. It consists of the receiver braces, which bolt directly to the frame of the vehicle, the front braces which insert into the receiver braces and a hardware kit containing the mounting bolts and safety hardware. Remove the front tow hooks and backing plates. If it is a 2WD, remove the lower air dam.
2. Take the provided 1/4" x 1-1/2" x 7" backing plates and insert them through the front of the frame on each side, placing them directly over the existing holes in the bottom of the frame. Locate three large 14mm bolts on the outside of the frame and remove the bottom bolt.
3. Hold the braces as illustrated to the bottom of the frame and bolt through the frame into the nutted backing plates using three 1/2" x 1-3/4" bolts, flat washers and lock washers. Note: a 1/2" plate washer may be needed under the front bolt on one side or the other to line the braces up with each other. Next, locate the 14mm x 2.0 x 45mm bolt in the kit with a 5/8" plate washer and bolt through the plate washer, the tab in the side of the bracket, and into the side of the frame.
4. Insert the braces into the receivers and pin using the 5/8" draw pins and 1/8" spring pins.
5. Align brackets and tighten all bolts to the torque specifications below. If an air dam was removed, it can be trimmed to fit and reinstalled at this time or left off.
6. The tow bar can now be directly attached to the braces when needed. Connect the tow vehicle's safety cables directly to the side of the receiver brace with the included cable connectors.

Hardware

- 6- 1/2" x 1-3/4" bolts
- 2- 14mm x 2.0 x 45mm bolts
- 6- 1/2" flat washers
- 6- 1/2" lock washers
- 2- 1/4" x 1-1/2" x 7" nutted backing plates
- 2- 1/2" clipped plate washers
- 2- 5/8" clipped plate washers
- 2- 5/8" draw pins
- 2- 1/8" spring pins
- 2- cable connectors

11/14/01

CAUTION:

Installer must read instructions and use all bolts and parts supplied.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN DEATH, PERSONAL INJURY OR PROPERTY DAMAGE

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.						

All illustrations and specifications contained herein are based on the latest information available at the time of publication approval. ROADMASTER, INC. reserves the right to make changes at any time without notice in material, specification and models or to discontinue models.