

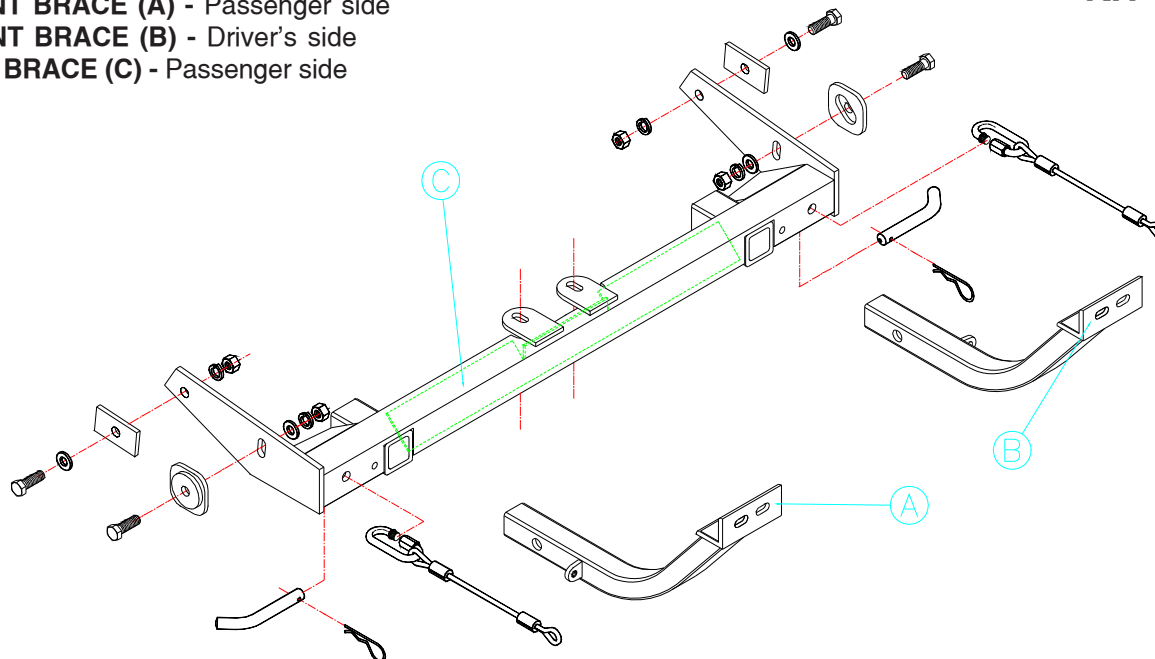
# BASEPLATE KIT INSTALLATION INSTRUCTIONS

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

## PARTS LIST:

- 1- FRONT BRACE (A) - Passenger side
- 1- FRONT BRACE (B) - Driver's side
- 1- MAIN BRACE (C) - Passenger side

KIT NO. 1010-5



5-12-00

**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. 1010-5**

- 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 by removing the front splash panel screw fasteners. There are five on the driver's side and four on the passenger side. Once this is done, pull the panels down to access the mounting area.
- Block the center motor mount brace to the floor to prevent movement and remove the two front bolts.
- Locate two special backing plates designed to fit the tie down plates and two 1/2" x 2" bolts with lock washers and nuts.
- Hold the brace between the tie down plates and bolts through the special backing plates, the tie down plates and brace with 1/2" x 2" bolts, lock washers and nuts on each side. Note: be sure the special backing plates are mounted correctly over the formed portion of the tie down plate.
- Now, bolt through the center mounting tabs on the brace with the motor mount bolts removed previously.
- Align the receiver brace then tighten the bolts to hold the alignment.
- Using the rear of the brace as a template, drill one 17/32" hole on each side.
- Bolt through the brace and frame on each side with a 1/2" x 1 1/2" bolt, 1/4" x 1 1/2" x 3" backing plate, lock washer and nut.
- Insert the front braces into the receiver braces and pin in place using the 5/8" draw pins and the 1/8" spring pins.
- Mount the tow bar according to the manufacturers instructions and torque all to the specifications below.
- Connect the 12" safety cables to the receiver brace with the included cable connectors. Then, connect the other end to the tow vehicle's safety cables and the tow bar.
- Trim the splash panels to fit if necessary and reinstall fasteners.

**HARDWARE LIST:**

- 2-1/2" X 2" BOLTS
- 2-1/2" X 1 1/2" BOLTS
- 4-1/2" LOCK WASHERS
- 4-1/2" NUTS
- 4-1/2" FLAT WASHERS
- 2-1/4" X 1 1/2" X 3" BACKING PLATES
- 2-12" SAFETY CABLES
- 2-5/8" DRAW PINS
- 2-1/8" SPRING PINS
- 1-DRIVER SIDE BACKING PLATE
- 1-PASSENGER SIDE BACKING PLATE

**5-12-00**

### BOLT TORQUE REQUIREMENTS

#### 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.						

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