



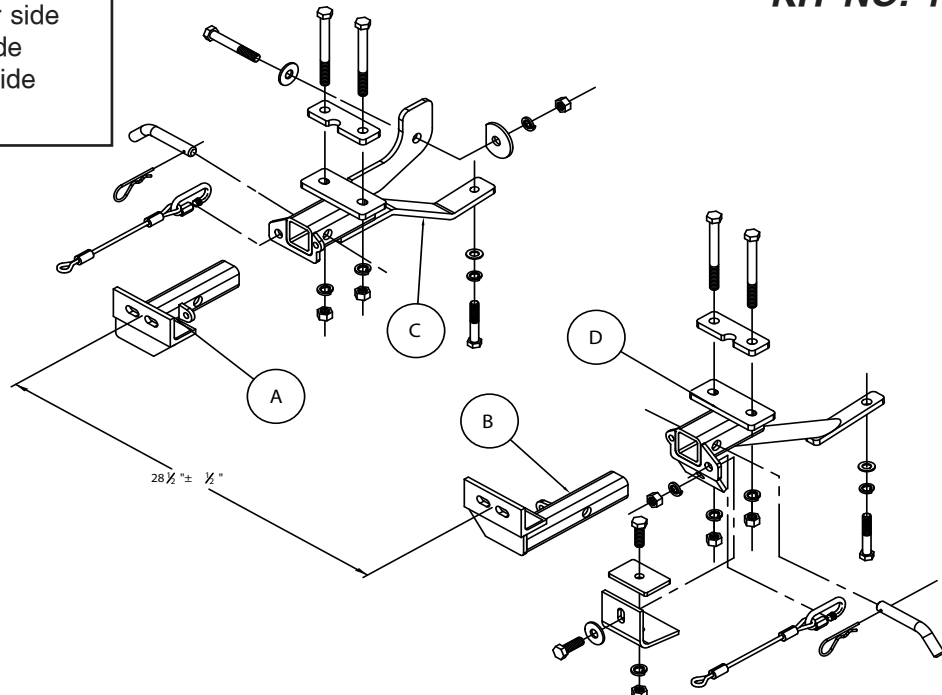
BASEPLATE KIT INSTALLATION INSTRUCTIONS

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

PARTS LIST:

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

KIT NO. 1012-1



04-01-13

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
- Use lock washers on all fasteners

WARNING

Failure to follow the below warnings and the installation instructions may result in voiding your warranty, property damage, the loss of your towed vehicle, personal injury or even death.

- Installation of most baseplates 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.
- Use Loctite® Red on all bolts used for mounting this baseplate.
- 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 mounting points for cracks or other signs of fatigue every 3,000 miles.
- 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.
- Do not weld. This baseplate is designed to be bolted to the vehicle. Welding will void the warranty.
- Do not use this document for custom fabrication, as it may not show all parts or structural components 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 baseplate. Do not install the baseplate if any structural frame damage is found.
- If running changes were made by the vehicle manufacturer after this

kit 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 this kit is securely fastened to the vehicle and fitted with the correct hardware to account for these changes.

- 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 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 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.
- Upon final installation, the installer must inspect the baseplate to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc.
- 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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- 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 suspension sub frame bolt on each side. *Note:* remove optional skid plate if present.
- Locate the 3/8" x 1 1/2" x 4" top straps and 1/2" x 5" bolts in the hardware kit and fish wire up and over the frame behind the bumper on each side.
- Take the passenger side receiver brace and insert through the front bumper fascia then bolt through the back of the brace into the sub frame with a 12mm x 1.25 x 100mm bolt, lock washer and flat washer. An alternative method of installation is to remove the 10mm (head) lower fascia fasteners, pull the fascia down and insert from the back.
- Fasten the top strap and bolts (which were previously put around the frame) to the brace with 1/2" nuts and lock washers.
- Bolt through the side of the frame with a 7/16" x 3" bolt, flat washer, plate washer, lock washer and nut.
- Now install the driver side rear brace in the same manner with the exception of threading the rear tubular section of the brace through the large towing loop located on the front of the frame and attaching the front of the receiver brace to the tow loop using the provided 1/2" x 1 1/4" bolt on the brace and 1/2" x 1 3/4" bolt through the tow loop, backing plate and attachment plate. There is no 3" side bolt on the driver side.
- Insert the front braces in the receiver braces and secure them with 5/8" draw pins and 1/8" spring pins.
- Using the drawing on the first page as a reference, measure between the two front braces, ensuring that the distance is still 28 1/2" +/- 1/2".
- Tighten all bolts to the torque specifications below. If optional skid plate and fascia fasteners were removed in steps 2 and 4, replace them at this time. Recheck the measurements, to make certain this distance is still 28 1/2" +/- 1/2".
- Install the tow bar according to the manufacturer's instructions.
- Attach one end of the included 10" safety cables to the lower front hole in the side mounting plate on each side of the receiver brace with the included cable connectors. Attach to the tow vehicle's tow bar and safety cables.

Hardware List

- | | |
|-------------------------------|-------------------------------------|
| 4- 1/2" x 5" bolts | 1- 3/16" x 2" x 3" backing plate |
| 1- 7/16" x 3 1/2" bolt | 2- 3/8" x 1 1/2" x 4 1/2" top strap |
| 1- 7/16" nut | 1- 1/4" x 2" x 6" attachment plate |
| 1- 7/16" flat washer | 6- 1/2" lock washers |
| 1- 7/16" lock washer | 1- 1/2" x 1 3/4" bolt |
| 2- 12mm flat washers | 1- 1/2" flat washer |
| 2- 12mm x 1.25 x 100 mm bolts | 2- 5/8" draw pins |
| 2- 12mm lock washers | 2- cable connectors |
| 1- 1/2" x 1 1/4" bolt | 2- 10" safety cables |
| 6- 1/2" nuts | 2- 1/8" spring pins |
| | 1- clipped plate washer |

04-01-13

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
5/16-18	5	13 ft./lb.
3/8-16	5	23 ft./lb.
7/16-14	5	37 ft./lb.
1/2-13	5	57 ft./lb.
5/8-11	5	112 ft./lb.

METRIC BOLTS

Thread Size	Grade	Torque
6mm-1.0	8.8	6 ft./lb.
8mm-1.0	8.8	18 ft./lb.
8mm-1.25	8.8	16 ft./lb.
10mm-1.25	8.8	36 ft./lb.
10mm-1.5	8.8	31 ft./lb.

METRIC BOLTS

Thread Size	Grade	Torque
12mm-1.25	8.8	64 ft./lb.
12mm-1.5	8.8	60 ft./lb.
12mm-1.75	8.8	55 ft./lb.
14mm-2.0	8.8	88 ft./lb.