

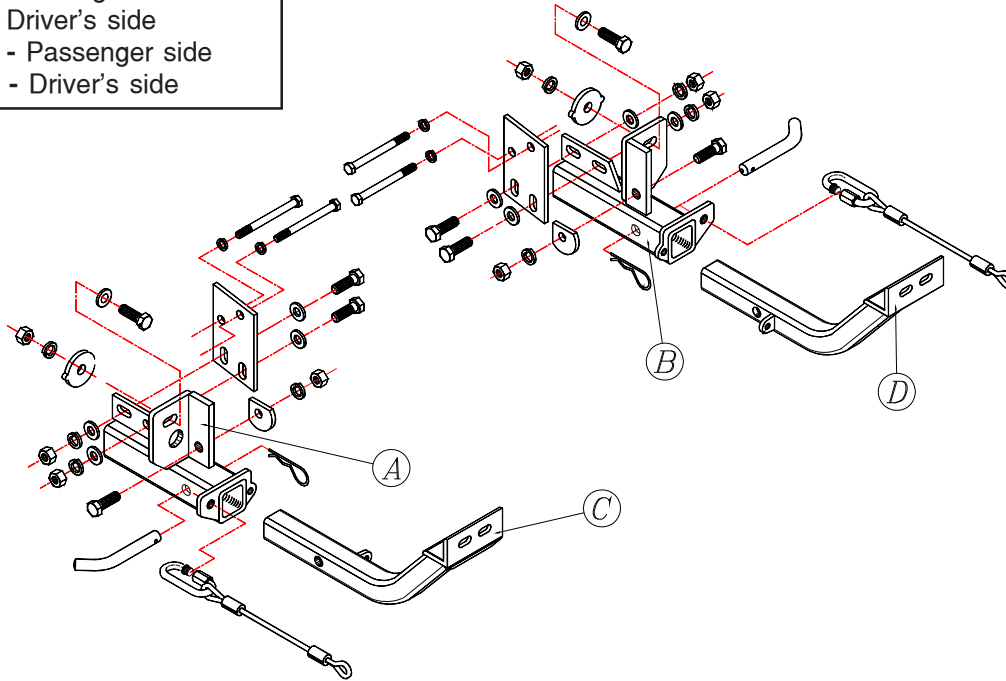
MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

ROADMASTER, INC. 5602 N.E. SKYPORT WAY PORTLAND, OR 97218 1-800-669-9690 FAX (503) 288-8900

PARTS LIST:

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

KIT NO. 607-15



12-01-03

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

- Do not use this document for custom fabrication as it may not show all parts or structural components.
- ROADMASTER will not be responsible for any damage or injury resulting from any modification or alteration.
- The owner must inspect all mounts and brackets before each use for cracks or other signs of fatigue. Also, inspect the fasteners for proper torque, according to the torque chart.
- The owner must check the 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.
- The installer must read the instructions and use all bolts and parts supplied.
- If the towed vehicle has been in an accident, it must be properly repaired before attaching the brackets. Do not install the brackets if any structural frame damage is found. Failure to repair the damage may result in loss of your towed vehicle.
- Some motorhome chassis have such a tight turning radius that you can damage your motorhome, towed vehicle or tow bar while turn-

ing sharply. Before getting on the road, test your turning radius in an empty parking lot. Damage that results from turning too sharply is not covered by warranty.

- The driver must not back up the motorhome with the towed vehicle attached or non-warranty damage will occur to your towing system or towed vehicle.
- The safety cables must connect the towing vehicle to the towed vehicle frame to frame, with the cables crossed. Refer to the cable instructions for proper routing.
- Make sure there is enough slack in the safety cables at the motorhome to allow for sharp turns.
- Use caution when handling the tow bar – if your hands, fingers or any part of your body are caught between moving components, they can be pinched, cut or otherwise injured.
- This bracket is designed for use with ROADMASTER tow bars and ROADMASTER adaptors. Using this bracket with other brands, without an approved ROADMASTER adaptor, may result in non-warranty damage or injury.
- Important! This bracket is only warranted for the original installation. Installing a used bracket on another vehicle is not recommended and will void the warranty.
- Upon final installation, the installer must inspect the bracket to ensure adequate clearance, particularly around hoses, AC lines, radiators, etc., or non-warranty damage will result.

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



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1. This bracket kit is one of our XL Series, which is designed to be partly removable. The kit consists of two front braces, two lower receiver braces, two rear mounting plates and the hardware kit. It utilizes the frame bumper mounting, a box-like structure located behind the bumper on each side and frame as mounting points. Some vehicles may have a tow hook located on the passenger side of the frame which will have to be removed to gain access to the inside bolt which has to be installed. The rear of the receiver braces also used two steering unit bolts on each side as mounting points.
2. Starting with the driver's side, remove the two steering unit bolts behind the bumper attachment box. Bolt a 1/4" x 3" x 5 3/8" rear mounting plate to the frame as illustrated using the two supplied 10mm x 1.25 x 110mm bolts, lock washers and nuts.
3. Repeat step 2 for the passenger side.
4. Return to the drivers side and hold the driver side receiver brace so that the slotted rear mounting holes correspond with the holes in the rear mounting plate and the front mounting plates fit inside the box-like structure surrounding the tie down loop. Bolt through the top slotted hole in the brace and the frame with a 1/2" x 1 3/4" bolt, flat washer, plate washer, lock washer and nut. Now, bolt through the side tie down hole with a 1/2" x 1 3/4" bolt, shaped plate washer, lock washer and nut.
5. Now, bolt the rear of the lower receiver brace to the flat mounting plate using two 1/2" x 1 1/2" bolts, flat washers, lock washers and nuts.
6. Repeat steps 4 and 5 for the passenger side.
7. Insert the front braces into the receivers and secure using the supplied 5/8" draw pins and 1/8" spring pins.
8. Mount the tow bar according to the manufacturers instructions, then align and tighten all bolts to the torque specifications below.
9. Using the supplied cable connectors, attach one end of the 15" safety cables to the lower receivers and one end to the tow vehicle's safety cables.

HARDWARE LIST:

- 2-1/4" x 3" x 5 3/8" MOUNTING PLATES
- 4-10MM X 1.25 X 110MM BOLTS
- 4-10MM LOCK WASHERS
- 4-1/2" X 1 1/2" BOLTS
- 4-1/2" X 1 3/4" BOLTS
- 8-1/2" NUTS
- 8-1/2" LOCK WASHERS
- 10-1/2" FLAT WASHERS
- 2-1/2" PLATE WASHERS
- 2-1/2" SHAPED PLATE WASHERS
- 2-5/8" DRAW PINS
- 2-1/8" SPRING PINS
- 2-CABLE CONNECTORS
- 2-15" SAFETY CABLES

12-01-03

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.						

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