



MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

ROADMASTER, INC.

5602 N.E. SKYPORT WAY

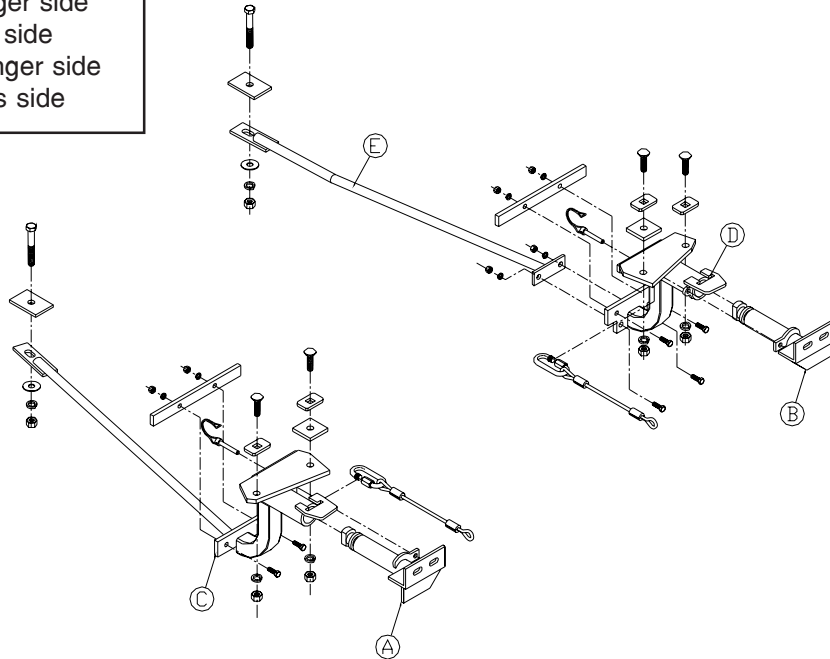
PORTLAND, OR 97218

1-800-669-9690

FAX (503) 288-8900

PARTS LIST:

- 1- REAR RECEIVER (A) - Passenger side
- 1- REAR RECEIVER (B) - Driver's side
- 1- TUBULAR BRACE (C) - Passenger side
- 1- TUBULAR BRACE (D) - Driver's side

KIT NO. 52255-1**07-01-05**
RV

IMPORTANT: All brackets **must** be assembled with all the bolts left loose for final adjustment & 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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KIT NO. 52255-1

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

1. This is one of our EZ lock brackets, which allows the visible front portion of the brackets to be easily removed from the front of the car by rotating the front braces. The bracket kit consists of two rear receiver braces, two tubular main braces and a hardware pack. The rear receiver braces mount to the bottom of the bumper core, the radiator cross member and the suspension sub frame. The tubular main braces are inserted through the front fascia into the rear braces and rotated 90 degrees to lock in place. Before starting the installation, lay out the kit components as it is illustrated. This will give you a visual idea of how the components work and also confirm that everything is present and accounted for. Start by locating and removing nine 10mm head screws securing the lower splash panel to the bottom of the bumper fascia. Remove the fascia to provide access to the bottom of the bumper core.
2. Looking at the bottom of the bumper core locate two small holes next to the ends of the lower fascia air opening on each side. Enlarge these holes to 17/32". These will serve as guide holes for the rest of the installation.
3. Fish wire a 1/2" x 1 1/2" carriage bolt and 1/4" x 1 1/4" x 2" sq. hole backing plate through the rear of the bumper core in to each hole drilled in the previous step.
4. Working on one side at a time, install a receiver brace on the bolt by inserting it behind the bumper fascia and positioning it over the bolt. Secure with a 1/2" nut and lock washer. Now bolt the rear of the brace to the sub frame of the vehicle by bolting through an existing hole through the sub frame with a 1/2" x 3" bolt, 1/4" x 2" x 3" backing plate, lock washer and nut. Be sure to locate the backing plate on the top of the sub frame.
5. Repeat step four for the remaining receiver brace.
6. Once the braces are bolted in place, use the pre-drilled holes in the braces as templates to drill four more 3/8" holes through the bottom front frame u-channel face.
7. Bolt through the front of the u channel with four 3/8" x 1 1/2" bolts, two 1/4" x 1" x 10" backing plates, lock washers and nuts.
8. Once the braces are bolted in place, use the braces as drill templates to drill two more 17/32" holes in the bottom of the bumper.
9. Fish wire two 1/2" x 2" carriage bolts and 1/4" x 1 1/4" x 2" sq. hole backing plates through the rear of the bumper core in to these holes and fasten with 1/2" nuts and lock washers. *Note:* some models will require a 5/16" spacer between the bumper core and brace.

07-01-05
RV

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.



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10. Insert the front tubular braces into the receivers, twist 90 degrees and lock. Install the safety pins on the pins to the tabs on the tubes, lock them into place.
11. Trim the lower fascia removed in step one to fit then reinstall.
12. Mount the tow bar according to the manufacturer's instructions, adjust for free movement and tighten all bolts to the torque specifications below.
13. Attach one end of the included 10" safety cable to the provided hole in the receiver brace with the included cable connectors. Connect the other end to the tow vehicle's safety cables and the tow bar.

HARDWARE LIST:

- | | |
|---|---------------------------------------|
| 6- 3/8" x 1 1/2" bolts | 2- 5/16" x 2" x 2" spacers (optional) |
| 6- 3/8" nuts | 2- 1/2" x 2" carriage bolts |
| 6- 3/8" lock washers | 2- 1/2" flat washers |
| 2- 1/2 x 3" bolts | |
| 2- 1/2 x 1 1/2" carriage bolts | |
| 6- 1/2 lock washers | |
| 6- 1/2 nuts | |
| 4- 1/4" x 1 1/4" x 2" sq. hole backing plates | |
| 2- 3/8" x 1" x 10" two hole backing plates | |
| 2- 10" safety cables | |
| 2- cable connectors | |
| 2- safety pins | |
| 2- 1/4" x 2" x 3" backing plates | |

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