



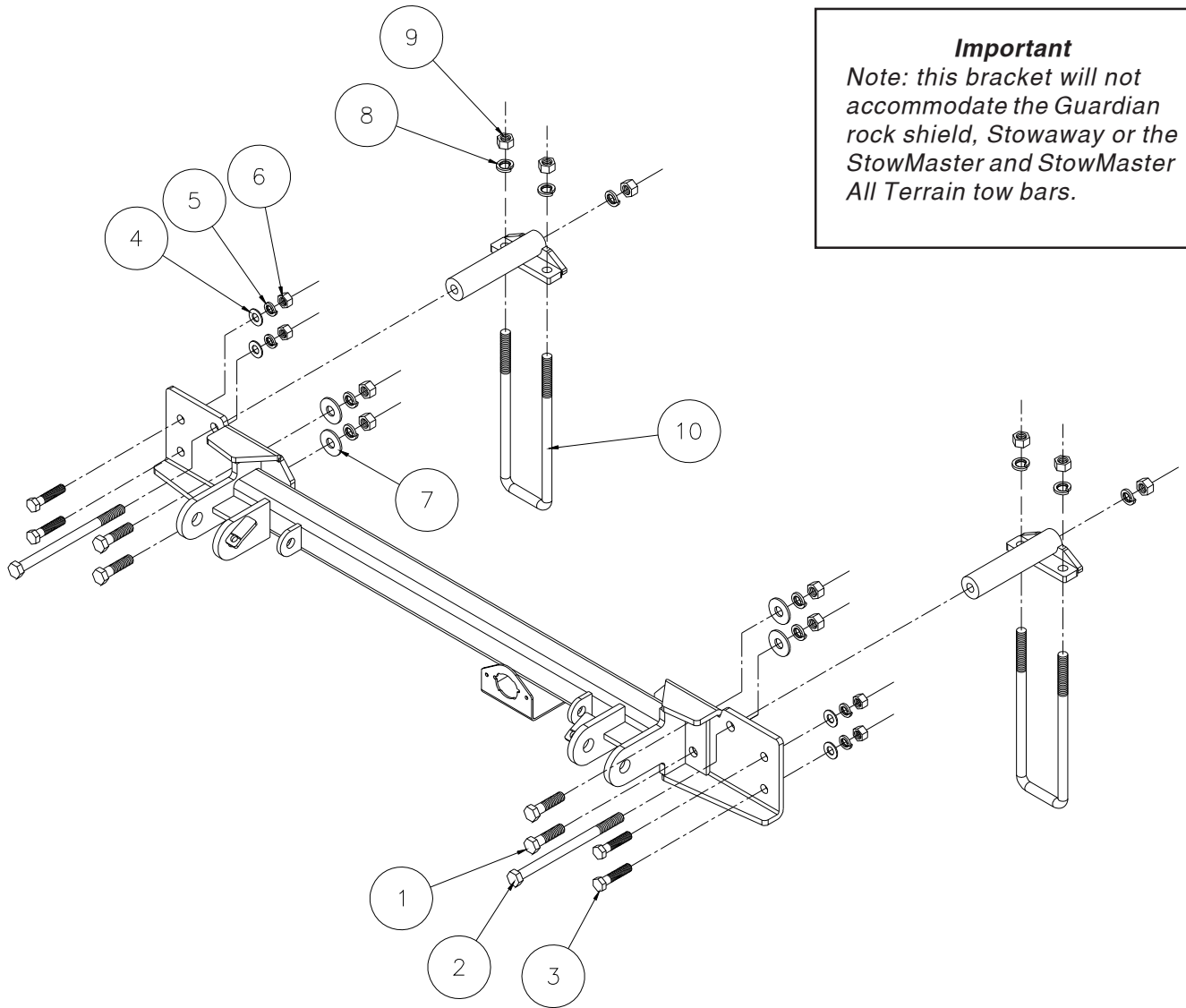
# BASEPLATE KIT INSTALLATION INSTRUCTIONS

**KIT# 264-1**

02/15/06

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

ROADMASTER, INC.



**Important**  
Note: this bracket will not accommodate the Guardian rock shield, Stowaway or the StowMaster and StowMaster All Terrain tow bars.

Item	Qty	Length	Width	Name	Material
1	4	2"	1/2"	BOLT	350097-00
2	2	7 1/2"	1/2"	BOLT	350112-00
3	4	1 1/2"	7/16"	BOLT	350074-00
4	4		7/16"	FLAT WASHER	350306-00
5	4		7/16"	LOCKWASHER	350307-00
6	4		7/16"	NUT	350256-00
7	4		1/2"	FLAT WASHER	350308-00
8	10		1/2"	LOCKWASHER	350309-00
9	10		1/2"	NUT	350258-00
10	2	9 1/2"	3"	1/2" x 3" O.C. x 9 1/2" U-BOLT	357301-00



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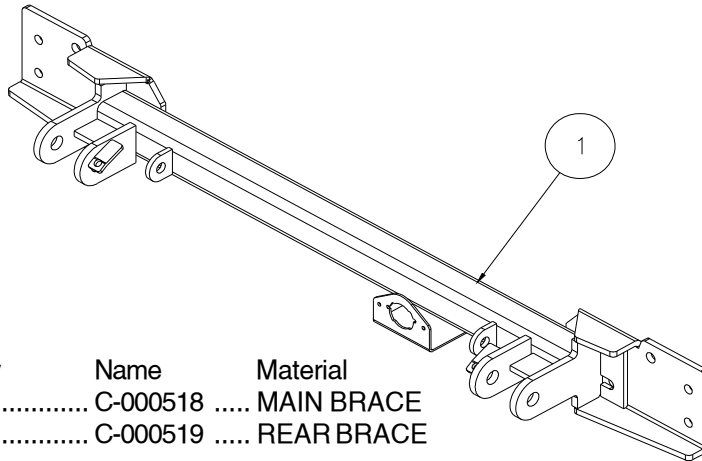
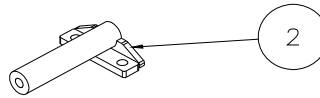
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**IMPORTANT:** All brackets **must** be assembled with all the bolts left loose for final adjustment & positioning (before tightening) unless otherwise instructed. All bolts **must** be torqued for proper strength. If more than one bolt is used per fastening point, the diagram may only show one.

- Use flat washers over all slotted holes
- Use lock washers on all fasteners



Item	Qty	Name	Material
1	1	C-000518	MAIN BRACE
2	2	C-000519	REAR BRACE

**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

## WARNING

- Do not use this document for custom fabrication, as it may not show all parts or structural components. Custom fabrication or an attempt to copy this bracket design could result in loss of the towed vehicle.
- 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 bolt torque requirements chart on the last page. Failure to do so could result in loss of the towed vehicle.
- 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.
- The installer must read the instructions and use all bolts and parts supplied. Failure to securely fasten the bracket could result in loss of the towed vehicle.
- If running changes were made by the vehicle manufacturer after this bracket was designed, some bolts or other fasteners in the included hardware pack may no longer be the correct size. It is the installer's responsibility to verify that the bracket is securely fastened to the vehicle, and fitted with the correct hardware, to account for these changes. Failure to securely fasten the bracket 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 bracket. Do not install the bracket if any structural frame damage is found. Failure to repair the damage may result in the loss of the towed vehicle.

- Some motorhome chassis have such a tight turning radius that you can damage your motorhome, towed vehicle, tow bar or bracket 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 bracket is designed for use with ROADMASTER tow bars and ROADMASTER adaptors only. Using this bracket with other brands, without an approved ROADMASTER adaptor, may result in non-warranty damage or injury.
- Upon final installation, the installer must inspect the bracket to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc., or non-warranty damage to the towed vehicle will result.
- This bracket is only warranted for the original installation. Installing a used bracket on another vehicle is not recommended and will void the warranty.

## WARNING

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

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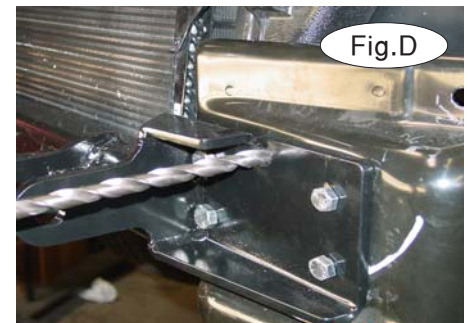
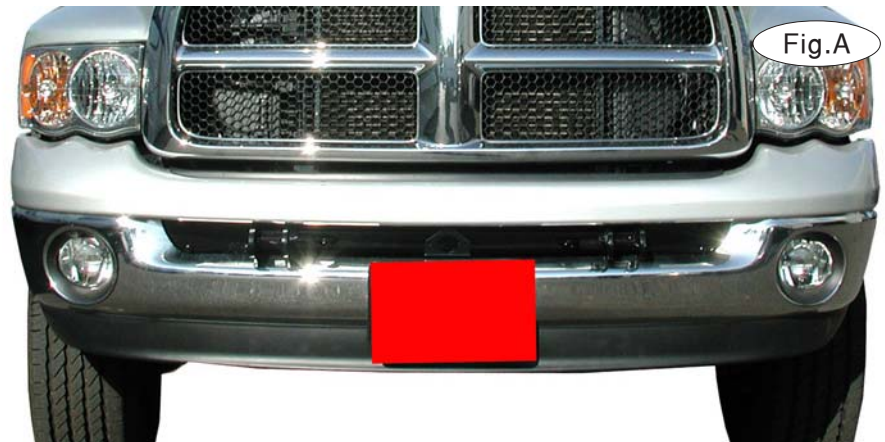
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R O A D M A S T E R, I N C.

This bracket kit is one of our MS series, which is designed for use with our motorhome mounted tow bars. The kit consists of two main braces and a hardware pack. The main braces mount behind the front bumper facia to the front frame tubes and take the place of the existing tow loops (Fig.A). Start by laying the kit out according to the illustration. This will give you a visual idea of how the kit installs and also confirm that the kit components are present and accounted for.



- 2. 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. To begin the installation, you must first remove the front bumper. There are a total of 6 bolts attaching the bumper to the vehicle, 2 on the top and 4 on the bottom. The wires for the fog lamps will need to be unplugged.
3. The next step is to remove the tow hooks on each side. This is done by removing the four bolts that attach the tow hook to the end of the frame (Fig.B).
4. Once the tow hooks are removed, hold the main brace portion of the bracket against the end of the frame, matching the holes in the bracket with those left from the removal of the tow hooks. The inner most holes will require  $\frac{1}{2}$ " x 2" bolts while the outer most holes take  $\frac{7}{16}$ " x  $1\frac{1}{2}$ " bolts. Bolt in place using the supplied washers and nuts, do this on both sides of the vehicle and tighten to proper specification. Figure C shows driver's side bolts installed.
5. Once the brace is in position, use the remaining hole as a drill template on each side and drill through the end of the frame using a  $\frac{17}{32}$ " drill bit (Fig.D).



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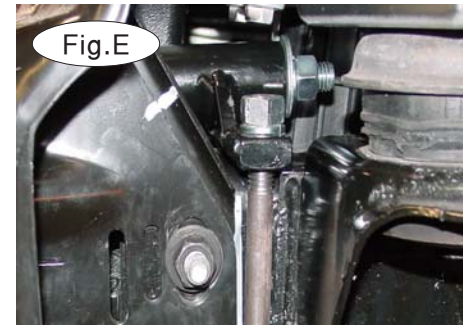
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6. Locate one of the rear braces found in the kit and place it behind the hole drilled in step 5 with the mounting plate resting on top of the frame tube as shown in the illustrations. Working on both sides, bolt through the drilled hole in to the end of the round tube of the rear brace with a 1/2" x 7 1/2" bolts with lock washers and nuts. Leave loose for now (Fig.E).
7. Take the large u-bolts in the hardware kit and install them pointing upwards under the frame tube on each side as illustrated. Bolt through the mounting plate on the rear braces with lock washers and nuts (Fig.E). Once the u-bolts are in position, tighten the 7 1/2" bolt first, then tighten u-bolts to specified torque as well.
8. The bumper insert will either need to be removed or trimmed to allow clearance for the quick link hooks and the light plugs (Fig.F).
9. Re-attach bumper by reversing step 2.
10. Attach the tow bar according to the manufacturer's instructions.
11. Attach the tow vehicle's safety cables to the safety cable mounting plates.



## 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.