

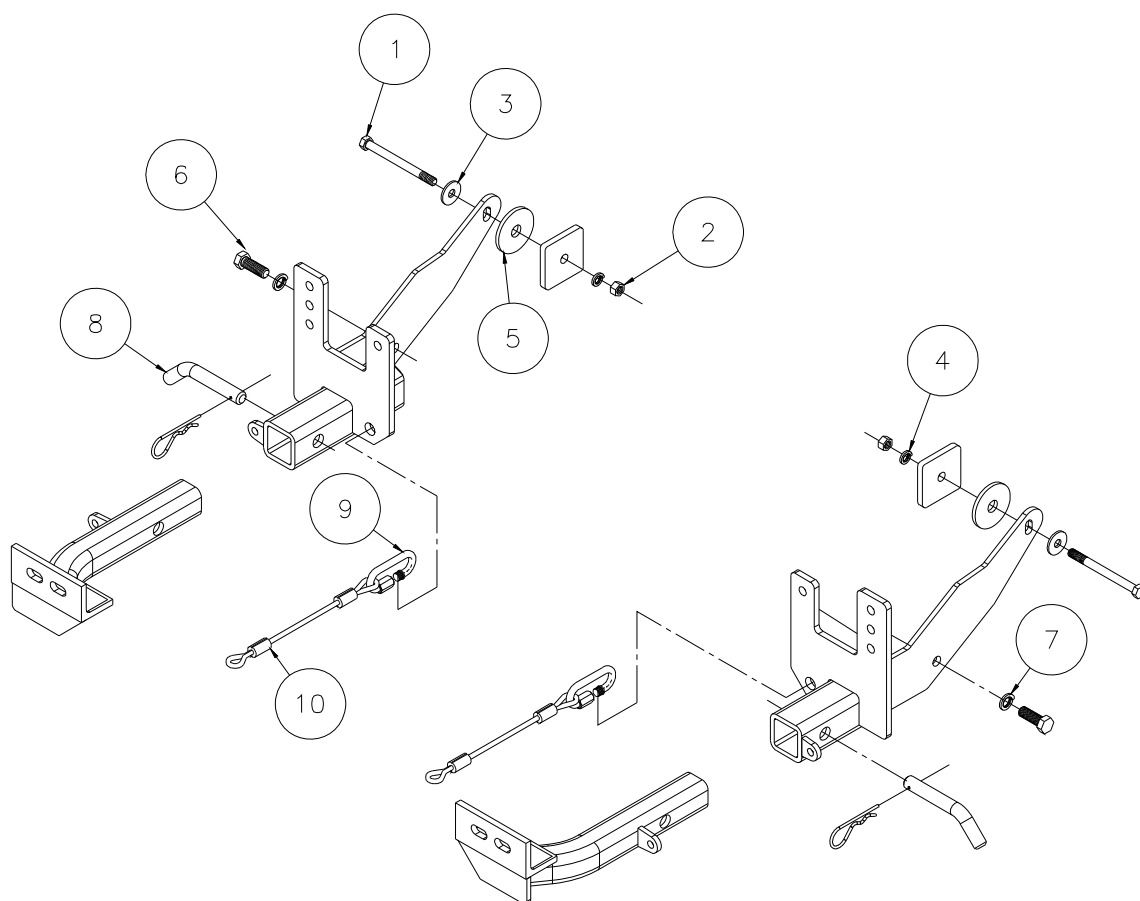


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1168-1

 04/05/05
RV

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



Item	Qty.	Length	Width	Description	Part #
1	2	4"	3/8	BOLT	350067-00
2	2		3/8	NUT	350254-00
3	2		3/8"	FENDER WASHER	350305-10
4	2		3/8"	LOCK WASHER	350305-00
5	2		1/2"	PLATE WASHER	A003086
6	2	35	12	12mm X 1.25 X 35mm BOLT	357002-00
7	2		12	LOCK WASHER	355725-00
8	2			DRAW PIN/SPRING PIN	357035-00
9	2			CONNECTORS	200008-00
10	2	10"		SAFETY CABLES, 8,000-lb. rated ...	650648-10

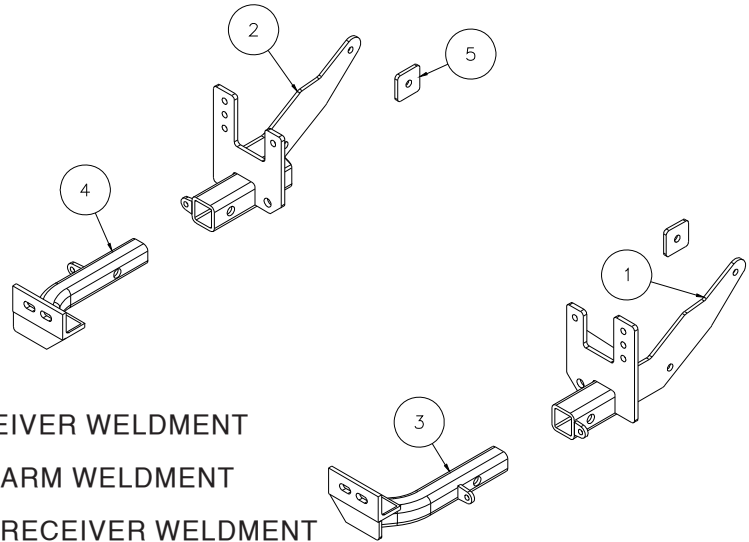


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Item	Qty	Name	Assembly
1	1	C-000616	DRIVER SIDE RECEIVER WELDMENT
4	1	C-000619	PASSENGER SIDE ARM WELDMENT
2	1	C-000617	PASSENGER SIDE RECEIVER WELDMENT
3	1	C-000618	DRIVER SIDE ARM WELDMENT
5	2	A-001066	1/4" x 2" x 2" BACKING PLATE (7/16" hole)

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.



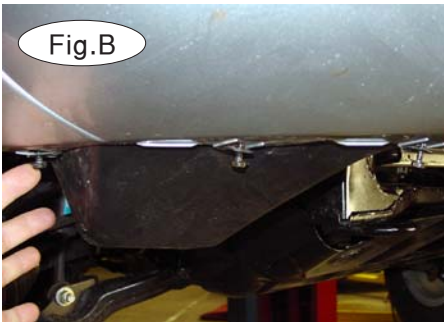
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This bracket kit is one of our XL series brackets, which allows the visible front portion of the brackets to be easily removed from the front of the vehicle. The kit consists of the main receiver braces, two removable front bracket arms, and a hardware pack. The main receiver braces mount behind the front bumper fascia, to the front and side of the frame, and to the side of the radiator support on each side. The removable front bracket arms insert into the receivers on each side (Fig.A). Before starting the installation, lay out the components in order. This will give you a visual idea of how the components work, and will also confirm that everything is present and accounted for.



1. **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. Start by removing three 10mm (head) screws in the bottom of the fascia and one on the bottom of each fender well (Fig. B)
2. Remove a 10mm (head) screw in each fender well (Fig. C).
3. Remove the plastic inserts in the fender wells (Fig.D).



4. Pull back the fender well splash panels for frame hole access (Fig.E and Fig.F).
5. Enlarge the existing frame hole and drill through the frame on each side with a 7/16" drill bit (Fig.G). *Note:* some later model vehicles are equipped with an extra cover over the washer bottle. Trim the corner of the cover to gain clearance to drill the hole (Fig.H).



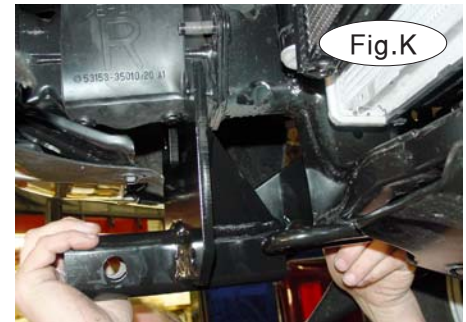
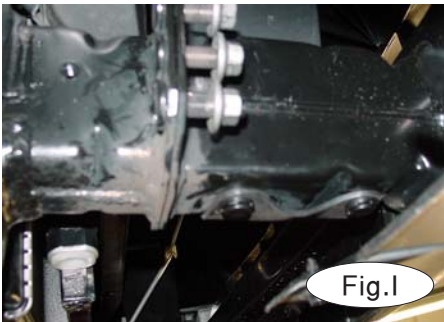


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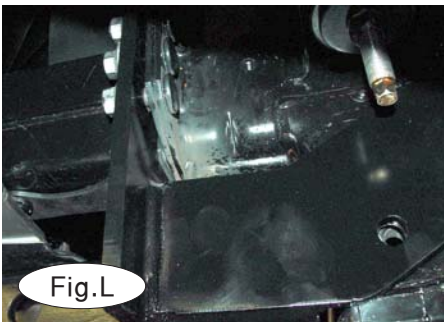
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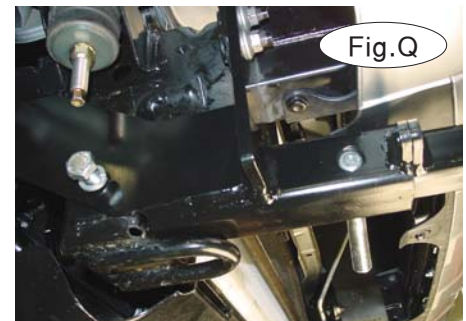
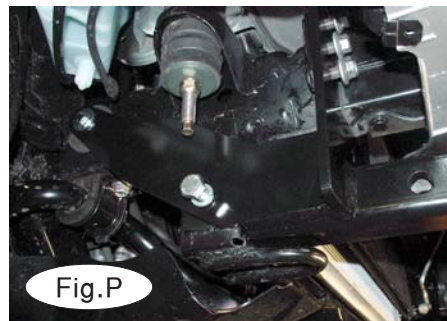


6. Remove three 14mm nuts on the outside of each frame extension, then one more on the inside of each extension (Fig.I and Fig.J).

7. Working on one side at a time, mount the receiver brace over the four studs on the frame and secure with the stock shoulder nuts (Fig.K and Fig.L). Repeat for the remaining side.

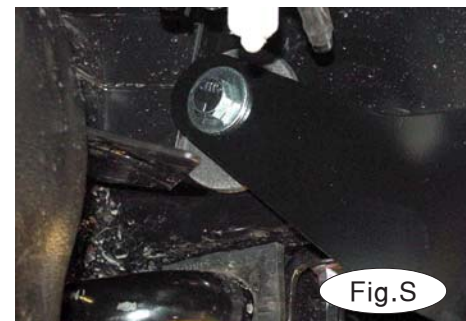


8. Bolt through the rear of a receiver brace and the side of the frame with a 3/8" x 4" bolt, fender washer, and plate washer (which is used as a spacer between the brace and the frame). Refer to Figure M. Finish with a 1/4" x 2" x 2" backing plate (7/16" hole), lock washer and nut (Fig.N and Fig.O). Repeat for the other side.



9. Bolt through the side of the braces into the existing frame nuts with 12mm x 1.25 x 35mm bolts and lock washers (Fig.P).

10. Torque all mounting bolts to the torque specifications found at the end of this document (Figures Q, R and S).





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11. Reinstall the lower fascia and splash panel fasteners, reversing steps 1 through 4 (Fig.T).
12. Fit the front bracket arms into the front receiver braces, and secure them in place with the supplied 5/8" draw pins and spring pins.
13. Attach the 10" safety cables with the cable connectors (Q-Links) to the front of the receiver braces (Fig.U).
14. Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.
15. Install the tow bar to the mounting bracket according to the manufacturer's instructions.



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	5	13 ft./lb.
3/8	5	23 ft./lb.
7/16	5	37 ft./lb.
1/2	5	56 ft./lb.
5/8	5	150 ft./lb.

METRIC BOLTS

Thread Size	Grade	Plated / Unplated
8mm-1.0	8.8	20 ft./lb. 18 ft./lb.
8mm-1.25	8.8	19 ft./lb. 18 ft./lb.
10mm-1.25	8.8	38 ft./lb. 36 ft./lb.
10mm-1.5	8.8	37 ft./lb. 35 ft./lb.

METRIC BOLTS

Thread Size	Grade	Plated / Unplated
12mm-1.25	8.8	70 ft./lb. 65 ft./lb.
12mm-1.5	8.8	66 ft./lb. 61 ft./lb.
12mm-1.75	8.8	65 ft./lb. 60 ft./lb.
14mm-2.0	8.8	104 ft./lb. 97 ft./lb.

All illustrations and specifications contained herein are based on the latest information available at the time of publication approval.
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