



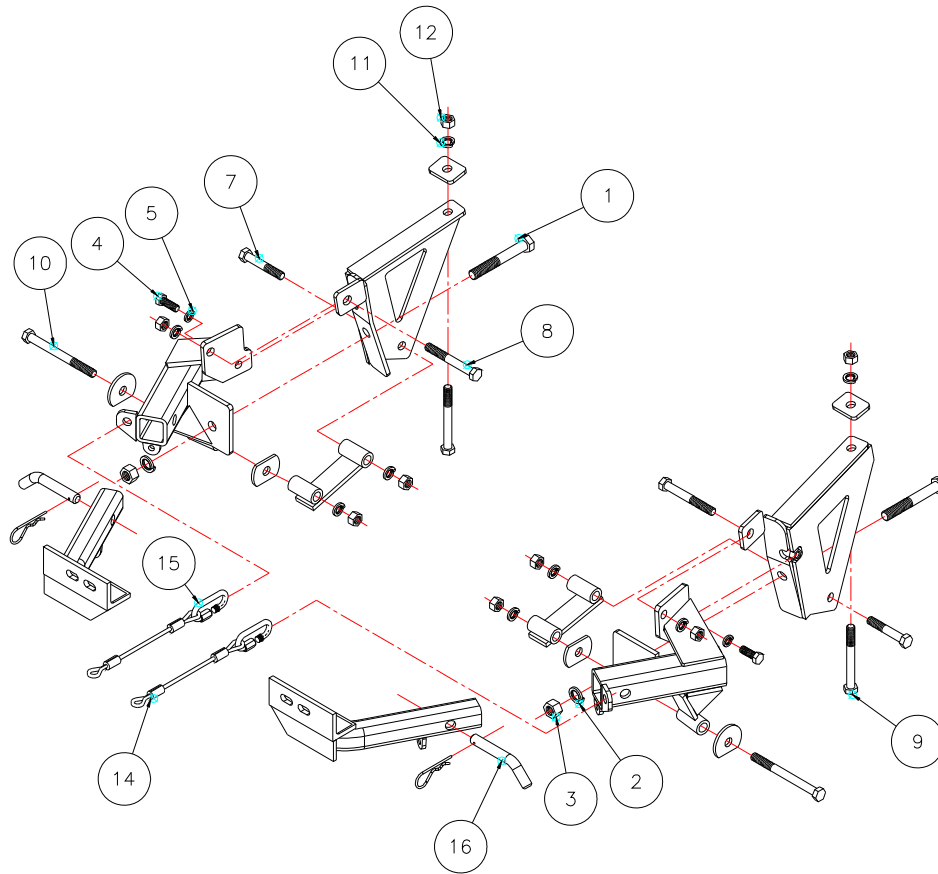
# BASEPLATE KIT INSTALLATION INSTRUCTIONS

**KIT# 3129-1**

01/12/10  
KS

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

ROADMASTER, INC.



Item	Qty	Length	Width	Description
1	2	4 1/2"	5/8"	5/8" x 4 1/2" BOLT
2	2		5/8"	LOCKWASHER
3	2		5/8"	NUT
4	2	1 1/4"	7/16"	7/16" x 1 1/4" BOLT
5	2		7/16"	LOCKWASHER
7	2	3"	1/2"	1/2" x 3" BOLT
8	2	4"	1/2"	1/2" x 4" BOLT
9	2	4 1/2"	1/2"	1/2" x 4 1/2" BOLT
10	2	5 1/2"	1/2"	1/2" x 5 1/2" BOLT
11	8		1/2"	LOCKWASHER
12	8		1/2"	NUT
13	4	7"		BLACK ZIP TIE
15	2	10"		SAFETY CABLE
16	2			CABLE CONNECTOR
17	2		5/8"	DRAW PINS, SPRING PINS

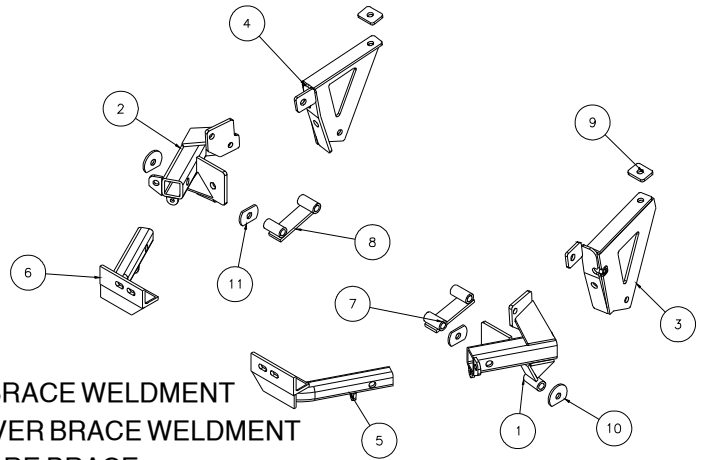


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Item	Qty.	Part #	Description
1	1	C-001074	DRIVER SIDE RECEIVER BRACE WELDMENT
2	1	C-001075	PASSENGER SIDE RECEIVER BRACE WELDMENT
3	1	C-001076	DRIVER SIDE BUMPER CORE BRACE
4	1	C-001077	PASSENGER SIDE BUMPER CORE BRACE
5	1	C-001078	DRIVER SIDE ARM TUBE WELDMENT
6	1	C-001079	PASSENGER SIDE ARM TUBE WELDMENT
7	1	C-001085	DRIVER SIDE THREADED BACKING PLATE
8	1	C-001086	PASSENGER SIDE THREADED BACKING PLATE

**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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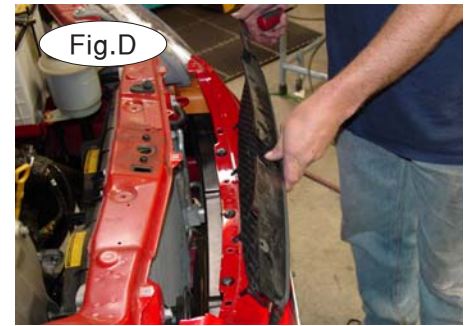
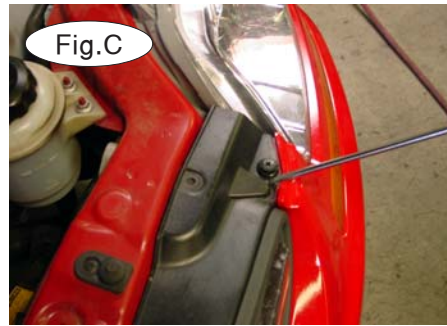
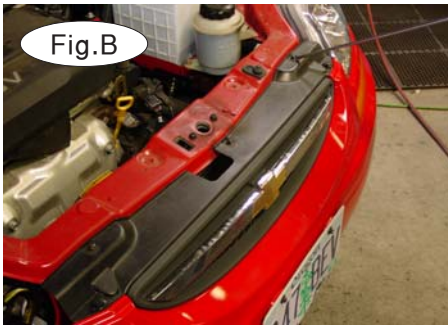
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1. This is one of our XL series brackets, which allows the visible front portion of the bracket to be easily removed from the front of the vehicle (Fig.A). The bracket consists of two front braces, two receiver braces, two rear braces, two lower braces, and a hardware pack. Before starting the installation, lay out the kit components in order, starting with step two. This will give you a visual idea of how the components work, and will also confirm that everything is 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 by removing the three Phillips head screws (Fig.B) and the two plastic fasteners (Fig.C) from the core support cover. Then, remove the core support cover (Fig.D).

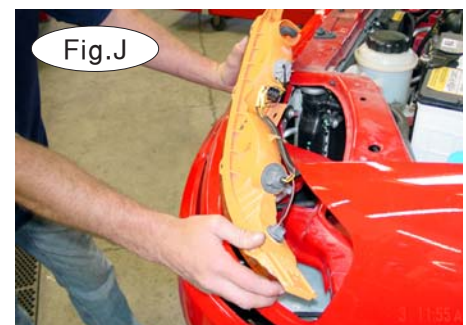
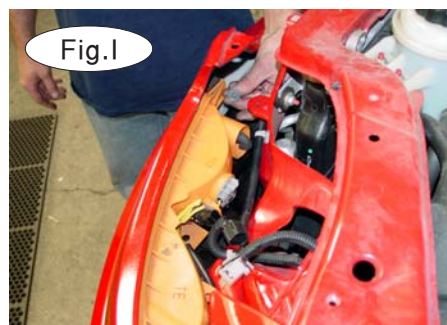


3. Remove three more plastic fasteners from the top of the fascia (Fig.E).

4. Remove the three 10mm bolts from each headlight (Fig.F). Then, pull the headlight forward, unplug the headlight, and remove it (Fig.G).



5. Remove the two 8mm bolts from the marker lights, then the one plastic fastener (Fig.H) from the bottom of the marker lights (Fig.I). Carefully pull the marker lights away, but do not fully remove them (Fig.J).





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6. Remove two more plastic fasteners from each side under the marker lights (Fig.K), and then remove the marker lights.

7. Remove the two 7mm bolts, one from each side (Fig.L).

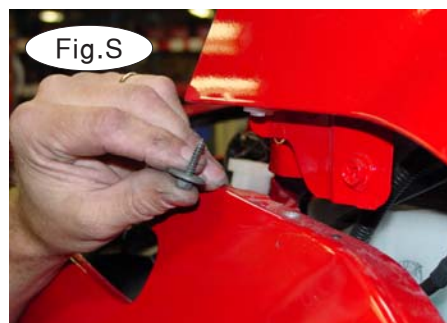
8. Remove the three 10mm nuts and the one 10mm bolt on the passenger side splash panel (Fig.M), then remove the passenger side splash panel (Fig.N).



9. Remove the one 10mm nut on the side of the fender liner on the driver's side (Fig.O).

10. Remove the three Phillips head screws connecting the fascia to the bumper core (Fig.P).

11. Pull the fender liner back (Fig.Q), then remove the two 7mm bolts from both sides of the fascia (Fig.R and Fig.S). Then, remove the fascia (Fig.T).



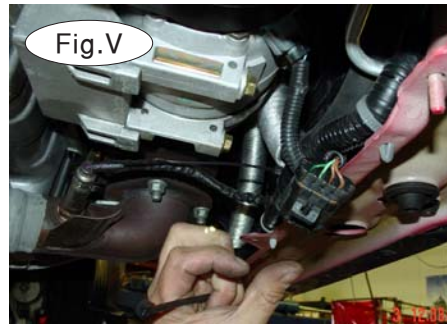


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12. Remove the wiring harness retainers from the radiator (Fig.U).
13. Using the supplied zip ties, pull the wires aside and out of the way, on both sides (Fig.V).
14. Cut off the stud on the passenger side (Fig.W).



15. Insert the rear brace and bolt it into position from the back, with a 5/8" x 4 1/2" bolt (Fig.X). You may have to bend the air conditioning line on the passenger side out of the way (Fig.Y).
16. Position the receiver brace with the front hole aligning to the rear brace bolt, then use a lock washer and nut to secure it in place (Fig.Z and Fig.AA).



17. Using a 21/32" drill bit, enlarge the existing hole using the **top** hole as a template (Fig.BB).
18. Using a 3/8" drill bit, enlarge the existing hole using the **lower** hole as a template (Fig.CC).
19. Bolt through the top hole with a 1/2" x 4" bolt, then secure the bolt with a lock washer and nut.
20. Bolt through the lower hole with a 7/16" x 1 1/4" bolt, then secure the bolt with a lock washer and nut.

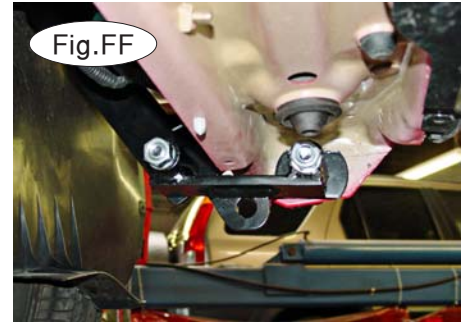


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21. Attach the lower braces by bolting through the receiver brace, plate washer and tow hooks (Fig.DD), then into the brace (Fig.EE), using a 1/2" x 5 1/2" bolt. Secure the bolts with a lock washer and nut.

22. Bolt through the rear hole of the lower brace with a 1/2" x 3" bolt, then secure the bolt with a lock washer and nut (Fig.FF).



23. Using the receiver brace as a template, drill up through the existing hole and then up through the core support (Fig.GG).

24. Bolt from the bottom up through the rear brace (Fig.HH), then through the core support, with a 1/2" x 4" bolt. Secure the 1/4" x 2" x 1 1/2" backing plate to this bolt with a lock washer and nut.

25. Reverse steps 2 through 11 to reinstall the fascia.

26. Install the front braces in the receiver tubes, and pin them in place with 5/8" draw pins and spring pins (Fig.II).

27. Install the safety cables and connectors as shown (Fig.JJ).

28. Install the tow bar according to the manufacturer's instructions, and torque all mounting bolts to the specifications below.



## 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. ROADMASTER, INC. reserves the right to make changes at any time without notice in material, specification and models or to discontinue models.