



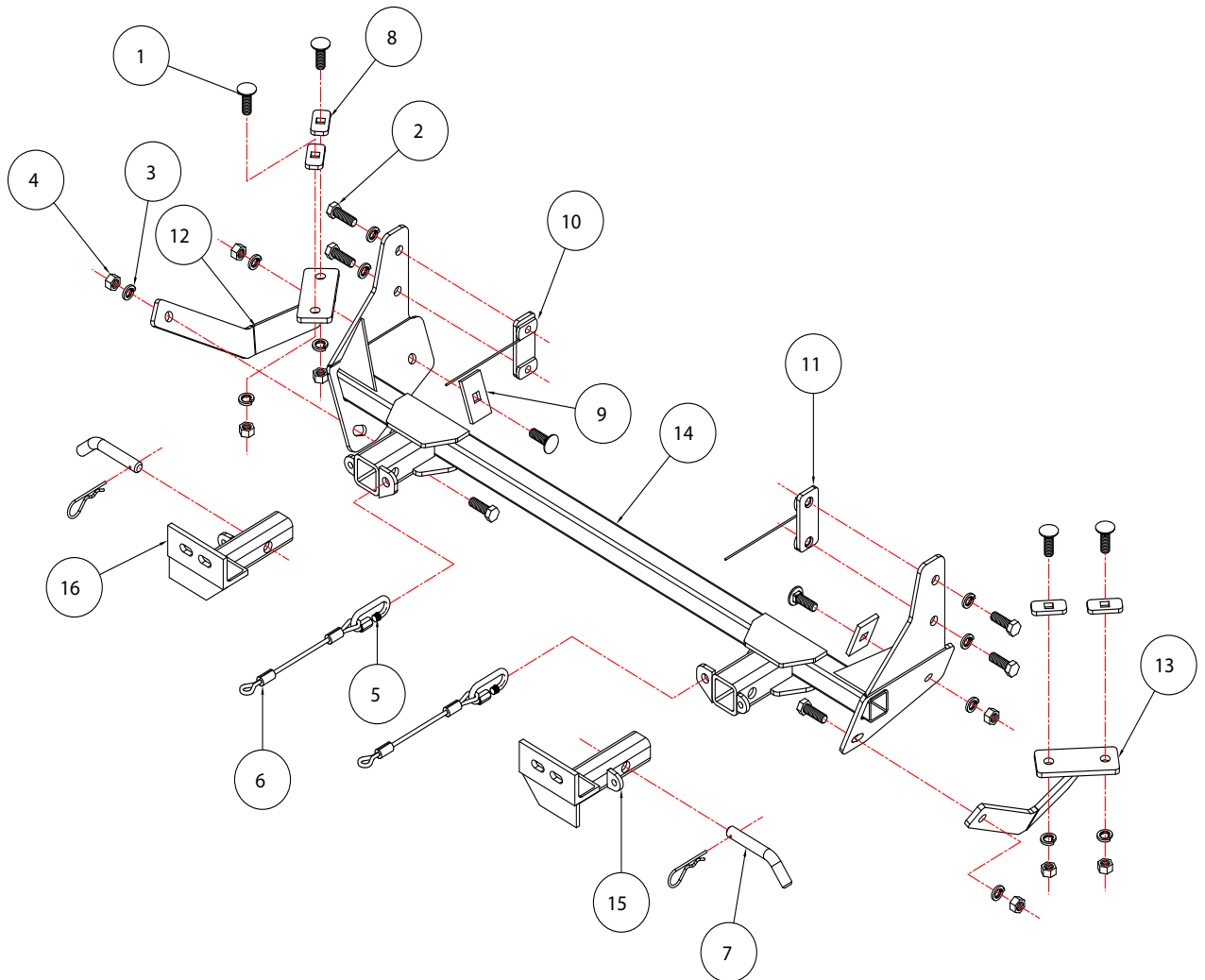
# BASEPLATE KIT INSTALLATION INSTRUCTIONS

**KIT# 1184-1**

09/01/06  
KB

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com

ROADMASTER, INC.



Item	Qty.	Description	Part No.
1.....	6.....	1/2" x 1 1/2" CARRIAGE BOLT .....	350362-00
2.....	6.....	1/2" x 1 1/2" BOLT .....	350095-00
3.....	12.....	1/2" LOCK WASHER.....	350309-00
4.....	8.....	1/2" NUT .....	350258-00
5.....	2.....	CONNECTOR.....	200008-00
6.....	2.....	10" SAFETY CABLE.....	500646-10
7.....	2.....	DRAW PIN/SPRING PIN .....	357035-00
8.....	4.....	1/4" x 1" x 2" BACKING PLATE - SQ. HOLE.....	A-000040
9.....	2.....	1/4" x 1 1/2" x 2 1/2" BACKING PLATE - SQ. HOLE.....	A-000084
10.....	1.....	PASSENGER SIDE BACKING PLATE WELDMENT .....	C-000349
11.....	1.....	DRIVER SIDE BACKING PLATE WELDMENT.....	C-000350
12.....	1.....	PASSENGER SIDE LOWER BRACE WELDMENT .....	C-001450
13.....	2.....	DRIVER SIDE LOWER BRACE WELDMENT .....	C-001451
14.....	1.....	MAIN RECEIVER BRACE WELDMENT .....	C-001452
15.....	1.....	DRIVER SIDE ARM WELDMENT .....	C-001453
16.....	1.....	PASSENGER SIDE ARM WELDMENT .....	C-001454



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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 and Fig.B). The bracket kit consists of a main receiver brace, two lower braces, two removable front braces and a hardware pack. The main receiver brace mounts to the frame rails, lower frame and the lower braces. The lower braces mount to the frame support and the main receiver brace. The removable front braces install in the main receiver brace.

Before starting the installation, lay out the kit components in order, as they will be used. This will give you a visual idea of how the components work, and will also confirm that everything is present and accounted for.



**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.

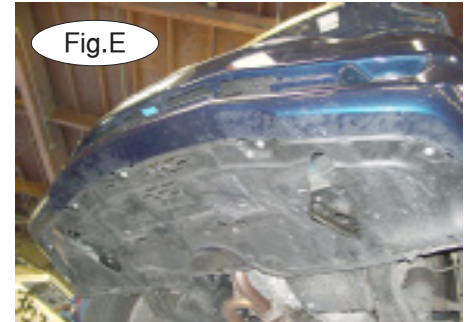
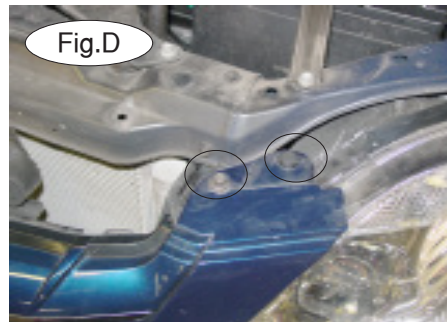


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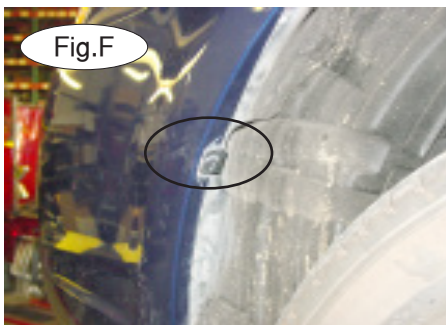
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1. **Important:** please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel. Now, begin the installation by removing the radiator cover. Remove six plastic fasteners by depressing the center button in the plastic fastener (Fig.C)

2. Next, remove three plastic fasteners and two 10mm (head) bolts attaching the top of the fascia to the core support. The plastic fasteners are located on either side next to the headlight (Fig.D) and one in the middle. The bolts are located on either side next to the plastic fasteners (Fig.D).

3. Remove the two lower splash shields by removing five plastic fasteners and nine 10mm (head) screws. The plastic fasteners are located towards the inside middle of the splash shields and the 10mm screws are located on the outside edge of the splash shield (Fig.E).



4. On both sides, remove one plastic fastener attaching the fender liner to the edge of the fascia (Fig.F).

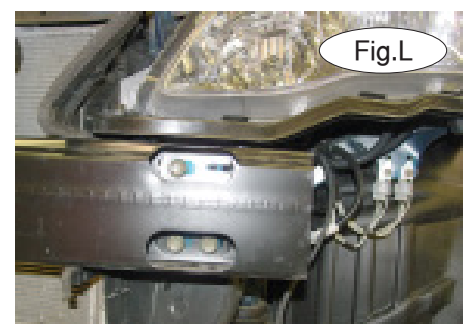
5. On both sides, pull back the fender liner to remove one 10mm screw attaching the corner of the fascia to the fender (Fig.G).

6. Disconnect the fog lights if the vehicle is so equipped (Fig.H).

7. To remove the fascia, pull out and forward on both corners (Fig.I).

8. Now, remove the foam shock absorption pad (Fig.J).

9. First, remove two plastic fastener holding the fog light wiring harness to the bumper core (Fig.K). Next, remove the bumper core by removing three 14mm bolts per side (Fig.L).



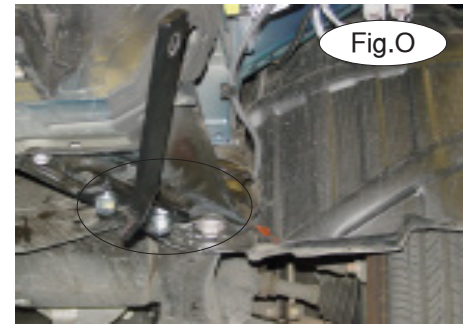
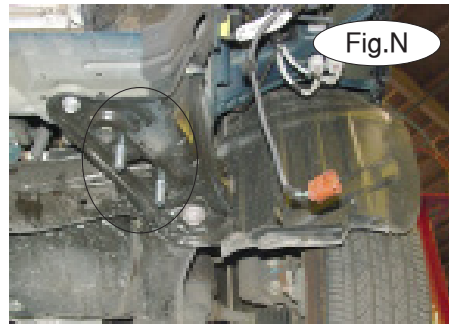
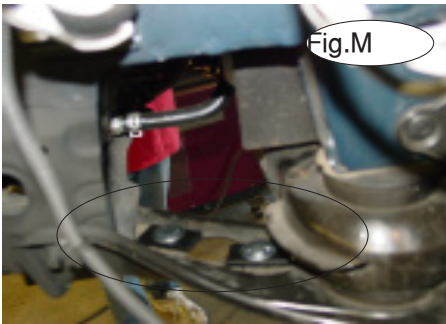


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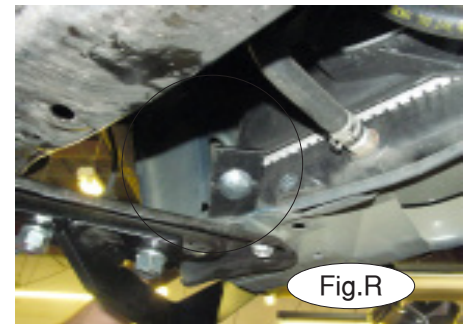
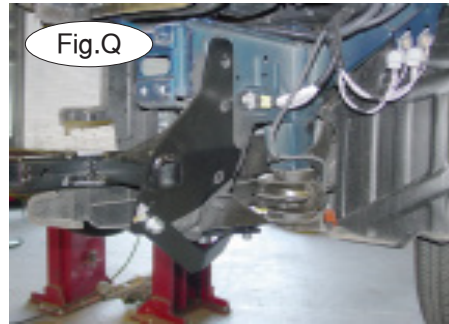
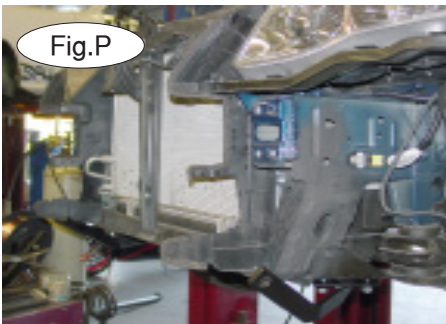
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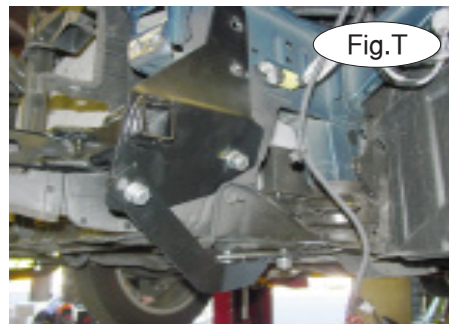
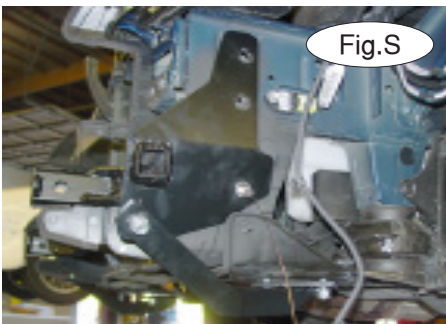
10. Starting on the driver side, place two carriage bolts with backing plates through the existing hole in the core support brace (Fig.M, N). Place the side brace over the two carriage bolts and finish with lock washers and nuts (Fig.O).



11. Trim the air deflector on each side to allow clearance for the main receiver brace (Fig.P).

12. On both sides, bolt the main receiver brace to the lower supports using a 1/2" x 1 1/2" bolt, flat washers, lock washers and nuts (Fig.Q)

13. Now, fish wire a 1/2" x 1 1/2" carriage bolt and 1/4" x 1 1/2" x 2 1/2" backing plate through the opening between the radiator and the radiator support (Fig.R). Next, pull the carriage bolt and backing plate through the opening in the outside of the radiator support and through the main receiver brace (Fig.S, T). Repeat for the other side.





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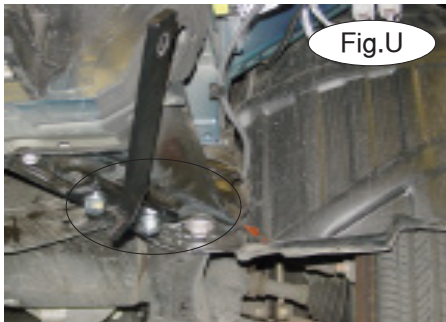


Fig.U

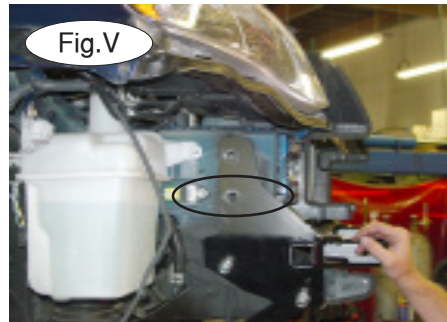


Fig.V



Fig.W

14. On both sides, tighten the two lower brace bolts attaching the lower brace to the core support (Fig.U).
15. Make sure the main receiver brace aligns with the existing center holes in the side of the frame rails (Fig.V).
16. Once the bracket is aligned, make sure the receivers are level (Fig.W).
17. Now, tighten all the remaining bolts to the torque specifications listed at the end of these instructions Start with the bolts you fished wired in step 13.

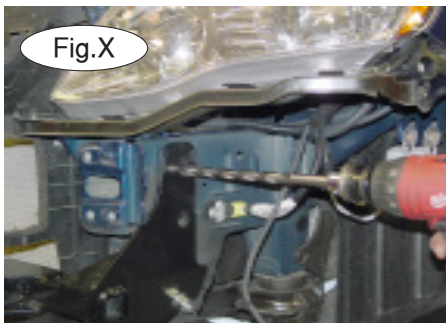


Fig.X



Fig.Y

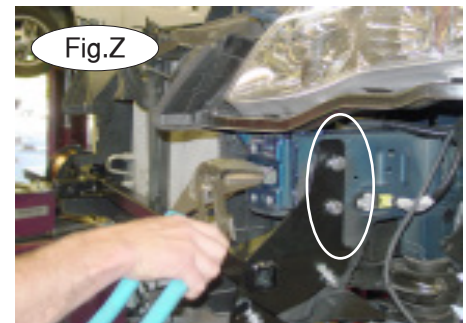


Fig.Z

19. Using the main receiver brace as a template, drill through the upper hole using a 1/2" drill bit (Fig.X). *Note:* the lower hole may need to be enlarged.
20. Now, insert a 1/4" x 1 1/2" x 3 3/4" backing plate with the attached wire through the opening in the front of the frame (Fig.Y). Bolt into place using two 1/2" x 1 1/2" bolts and lock washers (Fig.Z). *Note:* the passenger side opening needs to be slightly enlarge for the backing plate to fit. Repeat for the other side.
21. Use a pair of plyers to twist of the wire attached to the backing plates (Fig.Z).



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22. Now, replace the foam shock absorption pad, bumper core and fog light wiring harness removed in steps 8 and 9.

23. The fascia will need to be trimmed to allow clearance of the main receiver brace. Trim the second center cross brace in from each side of the grille opening. Use Figure as a reference for trimming.

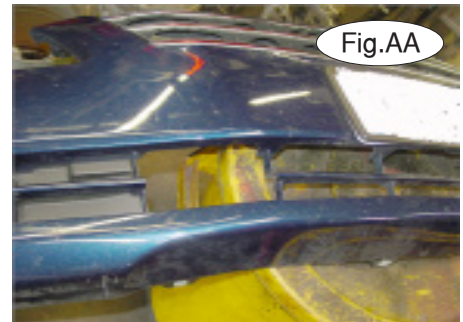


Fig.AA

24. Reinstall the fascia reversing steps 1 through 7.

25. 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.

26. Attach the 10" safety cables with the cable connectors (Q-Links) to the front of the receiver braces (Fig.BB).



Fig.BB

27. Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.

28. 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
5/16-18	5	13 lb-ft
3/8-16	5	23 lb-ft
7/16-14	5	37 lb-ft
1/2-13	5	57 lb-ft
5/8-11	5	112 lb-ft

### METRIC BOLTS

Thread Size	Grade	Torque
6mm-1.0	8.8	6 lb-ft
8mm-1.0	8.8	18 lb-ft
8mm-1.25	8.8	16 lb-ft
10mm-1.25	8.8	36 lb-ft
10mm-1.5	8.8	31 lb-ft

### METRIC BOLTS

Thread Size	Grade	Torque
12mm-1.25	8.8	64 lb-ft
12mm-1.5	8.8	60 lb-ft
12mm-1.75	8.8	55 lb-ft
14mm-2.0	8.8	88 lb-ft

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.