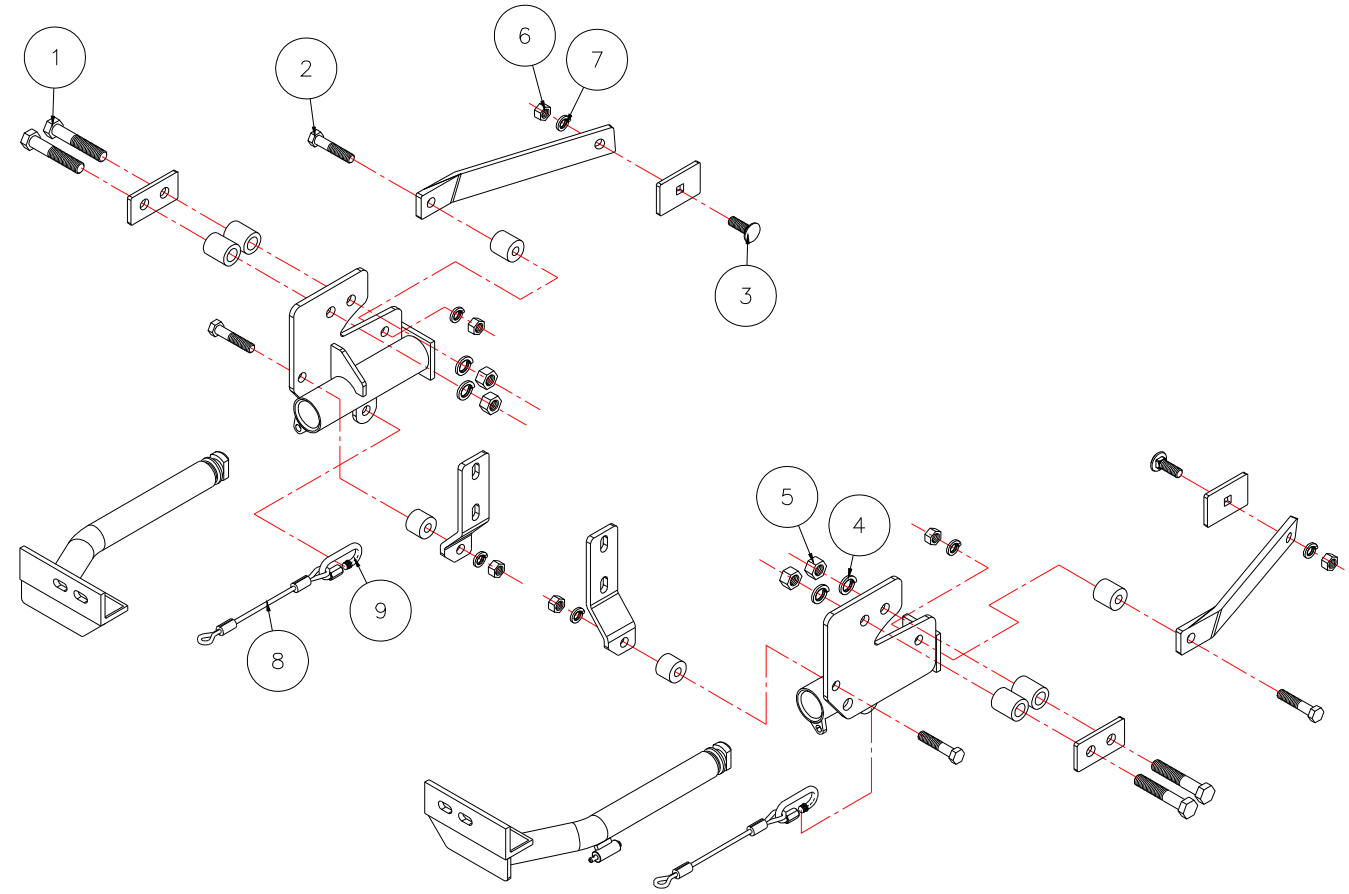
ROADMASTER, INC.

MOUNTING BRACKET KIT
INSTALLATION INSTRUCTIONS

KIT# 52266-5
08/18/08



ITEM	QTY	Length	Width	HARDWARE	PART NO.
1	4	3 1/2"	5/8"	5/8" x 3 1/2" BOLT	350163-00
2	4	2 1/2"	1/2"	1/2" x 2 1/2" BOLT	350099-00
3	2	1 1/2"	1/2"	1/2" x 1 1/2" CARRIAGE BOLT	350362-00
4	4	5/8"		LOCK WASHER	350313-00
5	4	5/8"		NUT	350262-00
6	6	1/2"		NUT	350258-00
7	6	1/2"		LOCK WASHER	350309-00
8	2	13"		SAFETY CABLES, 8,000 lb. rated	650648-13
9	2			CABLE CONNECTORS	200008-00

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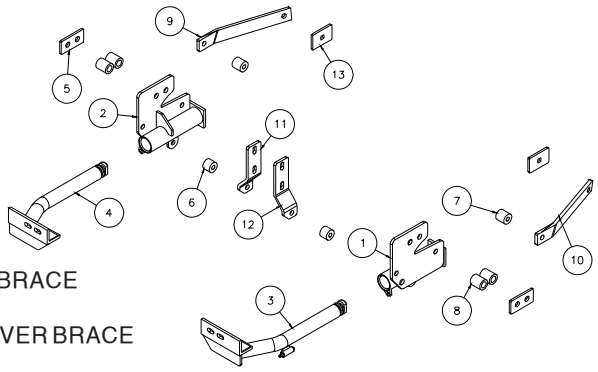
IMPORTANT: All brackets ***must*** be assembled with all the l
(before tightening) unless otherwise instructed. All bolts ***must***
bolt is used per fastening point, the diagram may only show

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



ITEM	QTY	PART NO.	ASSEMBLY
1	1	C-000730	DRIVER SIDE RECEIVER BRACE
2	1	C-000731	PASSENGER SIDE RECEIVER BRACE
3	1	C-000732	DRIVER SIDE ARM BRACE WELDMENT
4	1	C-000733	PASSENGER SIDE ARM BRACE WELDMENT
5	2	A-000968	3 1/2" x 1 3/4" BACKING PLATE
6	2	A-000880	1 1/4" O.D. x 1" TUBE
7	2	A-000856	1 1/4" x 1 1/4" TUBE
8	4	A-000518	1 1/4" O.D. x 1 1/2" ROUND TUBE
9	1	B-000399	PASSENGER SIDE REAR MOUNTING PLATE
10	1	B-000398	DRIVER SIDE REAR MOUNTING PLATE
11	1	B-000397	PASSENGER SIDE BRACE PLATE
12	1	B-000396	DRIVER SIDE BRACE PLATE
13	2	A-000050	2" x 3" SQ. HOLE BACKING PLATE

ROADMASTER Limited Warranty, including One-Year Conditional Warranty Text and Product Registration Card, in Carton.

⚠ WARNING

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

- **Installation of most mounting brackets requires moderate mechanical aptitude and skills.** We strongly recommend professional installation by an experienced installer.
- **The installer must read the instructions and use all bolts and parts supplied.** Failure to do so could result in loss of the towed vehicle.
- **Use Loctite® Red** on all bolts used for mounting this bracket.
- **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.
- **Every 3,000 miles, the owner must inspect the fasteners** for proper torque, according to the bolt torque requirements chart on the last page of these instructions. **The owner must also inspect all mounts and brackets for cracks or other signs of fatigue every 3,000 miles.** 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.
- **If running changes were made** by the vehicle manufacturer after this bracket was designed, some bolts or other fasteners in the 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 could 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 warranteed for the original installation.** Installing a used bracket on another vehicle is not recommended and will void the warranty.

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1. This bracket kit is one of our EZ series with removable front braces. The kit consists of two rear receiver braces which mount inside the front frame tubes, two inner braces, two rear braces and removable front braces (Fig.A). Everything but the front arm braces install behind the bumper fascia. The front bumper will have to be removed for the installation.


Fig.A

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. Disconnect the fog lights if present (Fig.B) then remove four bolts, two on the top of each frame tube (Fig.C). Now, remove two bolts on the bumper side braces on each side. These are located on the sides of the frame tubes.

3. Use two screwdrivers to pop the plastic fasteners loose on the bottom radiator flap, pull free and set aside.

4. Mark the frame where the bumper brackets are located so that the bumper can be repositioned to the same spot. Remove the shoulder nuts inside each frame tube holding the bumper brackets. This is where the new inside braces will be mounted (Fig.D).

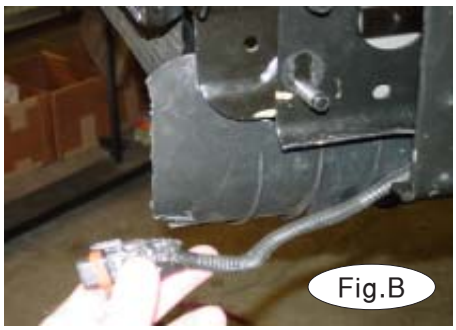
Fig.B

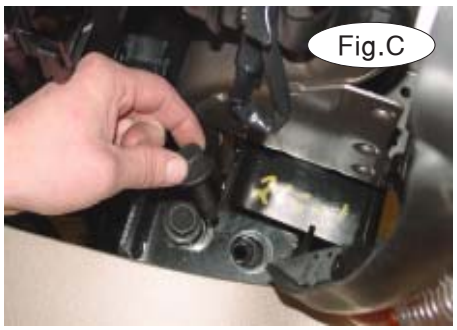
Fig.C

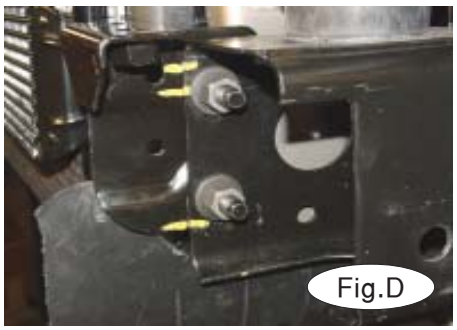
Fig.D

5. Working on one side at a time, look back about a foot from the front of the frame and locate a slotted hole in the side of the frame. Fish wire a ½" x 1½" carriage bolt and ¼" x 2" x 3" backing plate through the front of the frame into the slotted hole (Fig.E,F).

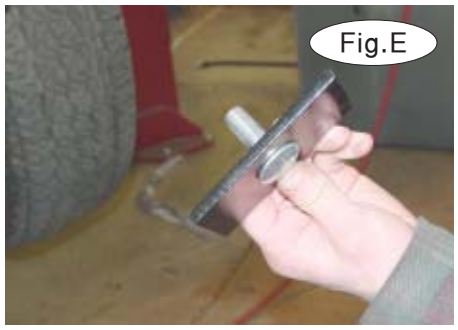
Fig.E


Fig.F

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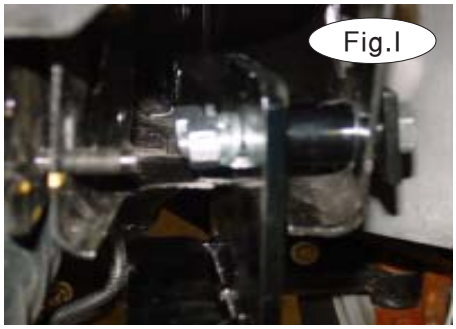


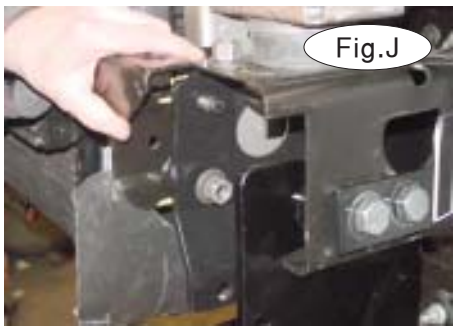
6. Working on one side at a time, look back about a foot from the front of the frame and locate a slotted hole in the side of the frame. Fishwire a ½" x 1½" carriage bolt and ¼" x 2" x 3" backing plate through the front of the frame into the slotted hole (Fig.E,F).

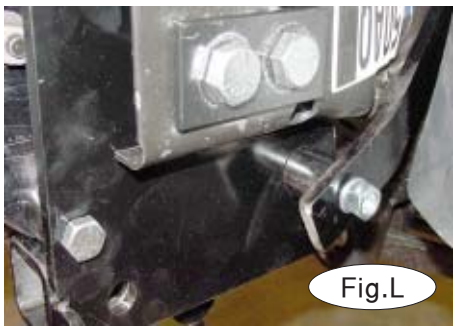
7. Bolt through the rear brace with a ½" nut and lock washer (Fig.G).

8. Enlarge the mounting holes in a bumper side brace then assemble the side brace, two 5/8" x 3½" bolts, and spacers as shown in (Fig.H).

9. Bolt through the receiver brace and frame and finish with ½" nuts and lock washers (Fig.I).

10. Put the inner brace over the bumper bracket bolts and secure with the original shoulder nuts as shown (Fig.J).





11. Bolt through the bottom of the inner brace and receiver brace with a ½" x 2½" bolt, 1¼" spacer, lock washer and nut (Fig.K).

12. Bolt the receiver brace to the rear brace with a ½" x 2½" bolt, 1¼" spacer, flat washers and lock washer and nut (Fig.L).

13. Repeat steps 2 through 11 for the remaining side.

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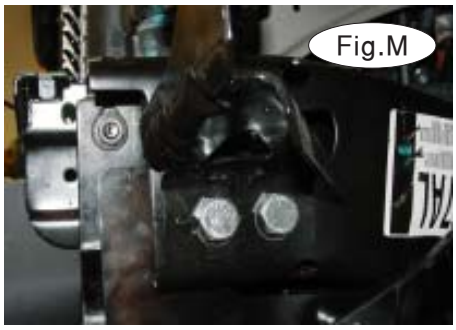

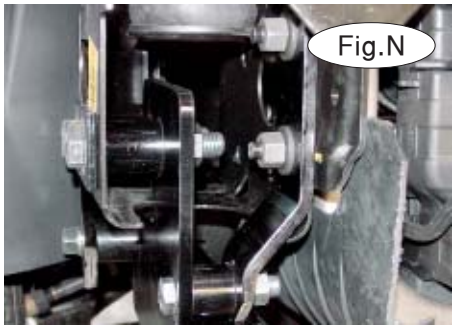

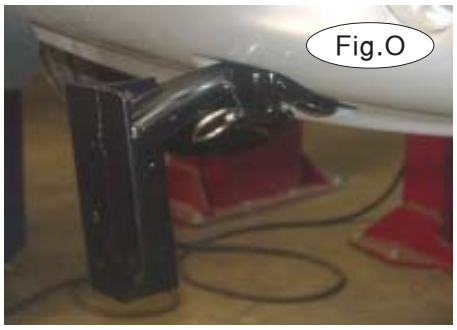

14. Level and align the receiver braces to each other (Fig.M) and tighten two outside frame bolts (Fig.N) on each side.

15. Align the bumper braces to their original marks and tighten the shoulder nuts to hold position (Fig.N).

16. Torque all mounting bolts to the specifications on the next page.

17. Replace the bumper and fascia reversing steps 2 to 3.

18. Insert the front arm braces into the receiver braces at a 90 degree angle (Fig.O) then twist 90 degrees to lock in place (Fig.P).

19. Install the tow bar according to the manufacturer's instructions.

20. Attach one end of the 13" safety cables to the front holes on the receiver braces (Fig.Q) and the other end to the tow vehicle's safety cables and tow bar. *Note:* hole placement on the receivers may vary from what is depicted here on later bracket kits.

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.