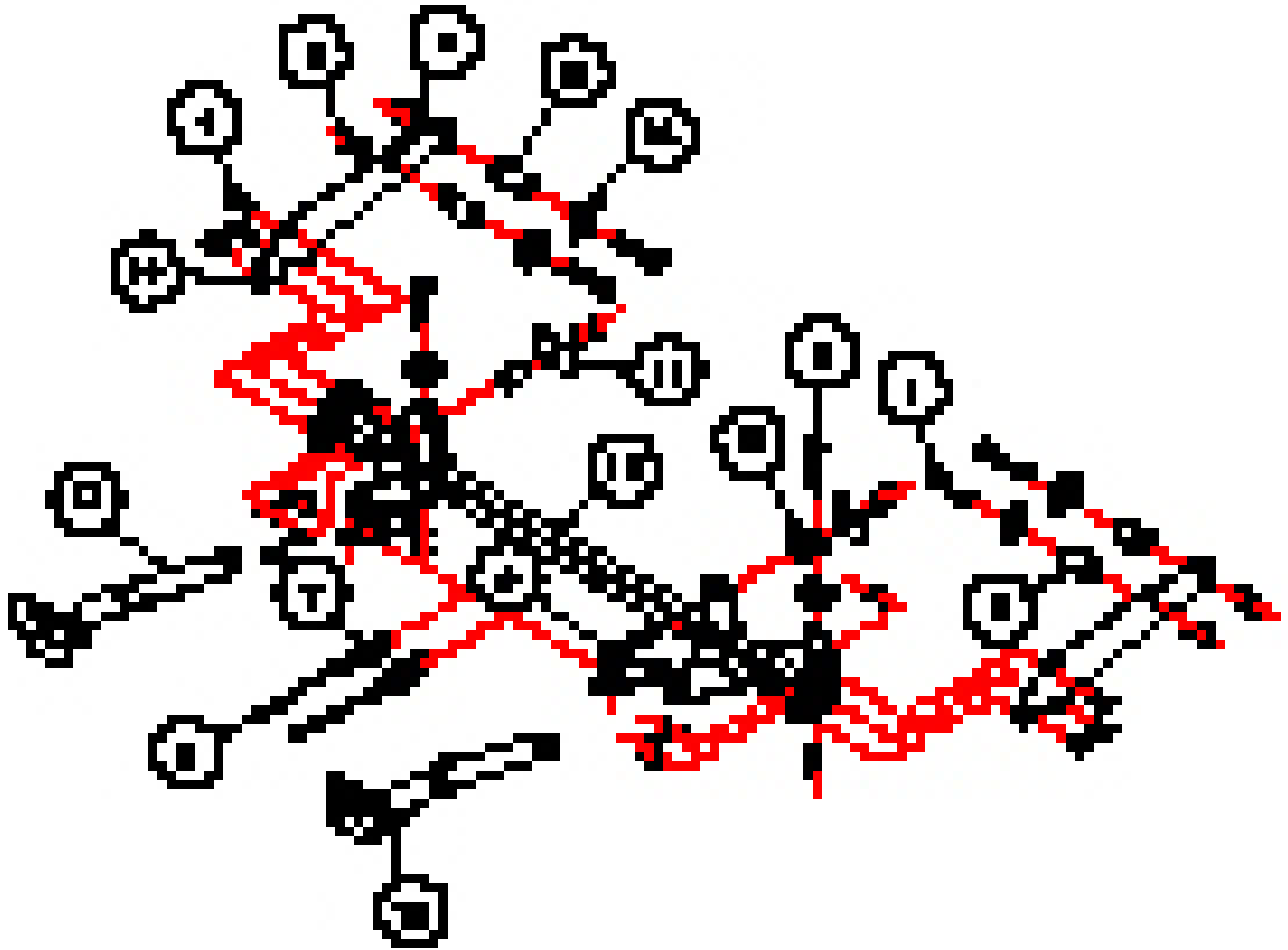




MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9590 fax 360-735-9300 www.roadmasterinc.com



| Item | Qty. | Description | Part No. |
|---------|---------|--|-----------|
| 1..... | 4..... | 1/2" x 4" CARRIAGE BOLT | 350124-00 |
| 2..... | 2..... | 1/2" x 3" CARRIAGE BOLT | 350123-00 |
| 3..... | 2..... | 1/2" x 3 1/2" BOLT | 350103-00 |
| 4..... | 6..... | 1/2" x 1 1/2" BOLT | 350095-00 |
| 5..... | 14..... | 1/2" NUT | 350258-00 |
| 6..... | 14..... | 1/2" LOCK WASHER..... | 350309-00 |
| 7..... | 2..... | CONNECTOR..... | 200008-00 |
| 8..... | 2..... | 8" SAFETY CABLE..... | 500646-08 |
| 9..... | 2..... | 1 1/4" ROUND x .250 WALL x 2 1/4" TUBE | A-001460 |
| 10..... | 2..... | 1 1/4" ROUND x .250 WALL x 1 1/2" TUBE | A-001596 |
| 11..... | 2..... | 1/4" x 2" x 3" BACKING PLATE..... | A-000147 |
| 12..... | 6..... | 1/4" x 2" x 2" BACKING PLATE..... | A-000189 |
| 13..... | 2..... | 1 1/4" ROUND x .250 WALL x 2 3/4" TUBE | A-001494 |
| 14..... | 2..... | SIDE MOUNTING PLATE..... | A-001492 |
| 15..... | 1..... | MAIN RECEIVER BRACE WELDMENT | C-001422 |
| 16..... | 1..... | DRIVER SIDE ARM WELDMENT | C-001423 |
| 17..... | 1..... | PASSENGER SIDE ARM WELDMENT..... | C-001424 |

ROADMASTER, INC.



MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-736-9300 www.roadmasterinc.com

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

This is one of our EZ bracket series, 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, front braces, side braces and a hardware pack. The side receiver braces mount to the bottom and side of the frame and protrude through the lower grill below the bumper core. The front braces insert into the side braces and then rotate 90 degrees to lock in place. Before starting the installation, lay out the kit components as illustrated. This will give you a visual idea of how the components work and also confirm that everything is present and accounted for.



Fig.A



Fig.B

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

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.

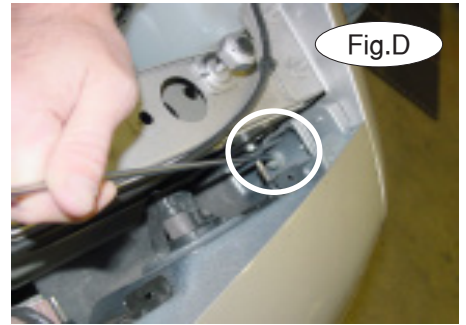
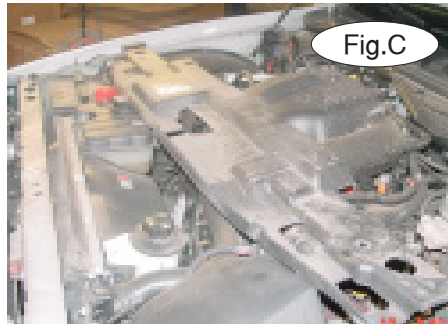
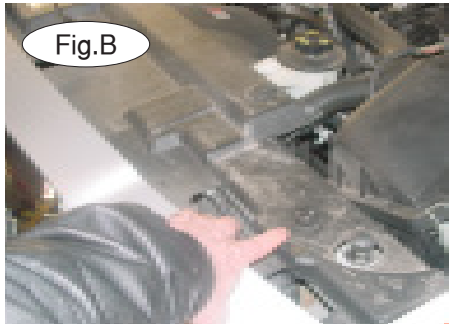
- Installation of most mounting brackets requires moderate mechanical aptitude and skills. We strongly recommend professional installation by an experienced installer.
- The installer must read the instructions and use all bolts and parts supplied. Failure to do so could result in loss of the towed vehicle.
- 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 you 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.



MO MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-736-9300 www.roadmasterinc.com



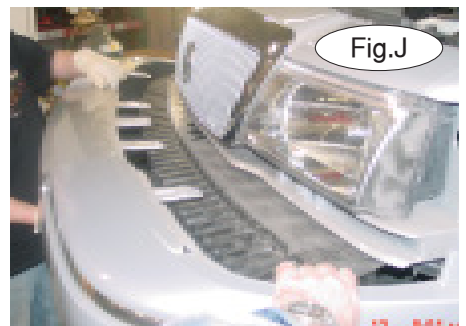
1. **Important:** please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel. Now, begin the installation. Remove three plastic fasteners in the top of radiator between the headlights (Fig.B), then set aside (Fig.C).

2. Remove one nut (7/16") and one screw on each side holding the corner light assemblies (Fig.D).



3. Pull the marker light assemblies loose, disconnect and set aside (Fig.E).

4. Remove two exposed bolts in the fender fascia joint (7/32" side and 5/16" top) (Fig.F), then remove three plastic fasteners in each fender well (Fig.G).



5. Go to the bottom of the fascia and remove six fasteners (5/16" head) (Fig.H), then pull out on each side (Fig.I) and pull forward to remove the fascia and set aside (Fig.J).



ROADMASTER, INC. MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-736-9300 www.roadmasterinc.com

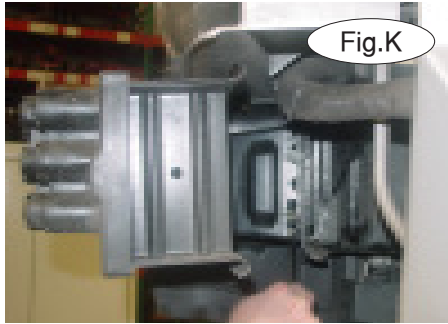


Fig.K

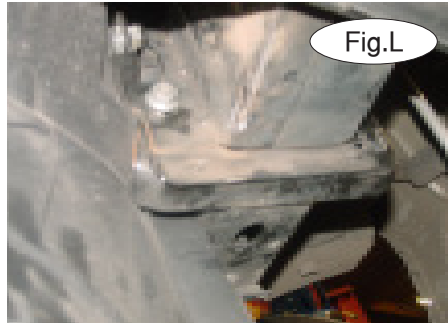


Fig.L



Fig.M

6. Next, remove the steel bumper core, (four 1/2" nuts/per side) (Fig.K,L).

7. Remove the lower plastic fasteners in the side of the radiator air deflectors in preparation for trimming later (Fig.M).



Fig.N

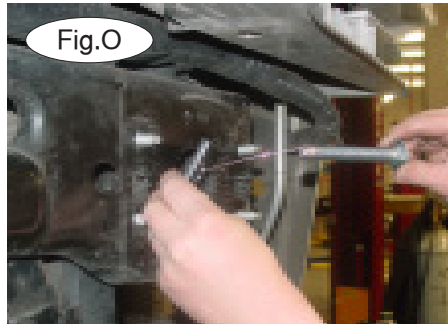


Fig.O

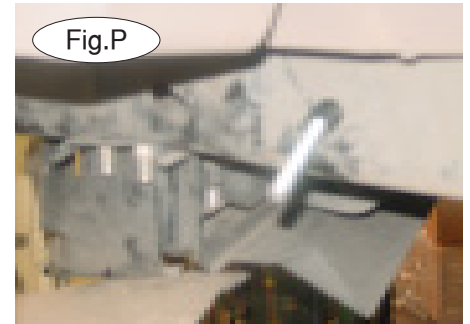


Fig.P

8. The next steps are preparation for mounting the side plates to the side of the frame rails, collect four 1/2" x 4" carriage bolts, four 2" x 2" backing plates, two 2 1/4" spacers (drivers side), two 2 3/4" spacers (passenger side) lock washers and nuts (Fig.N).

9. Fish wire the 1/2" x 4" carriage bolts and backing plates through the front of the frame into the two existing slotted holes in the side of the frame rail on each side (Fig.O,P).



Fig.Q

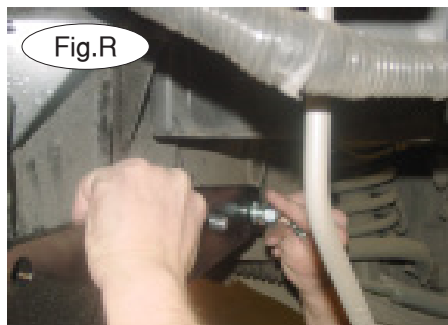


Fig.R

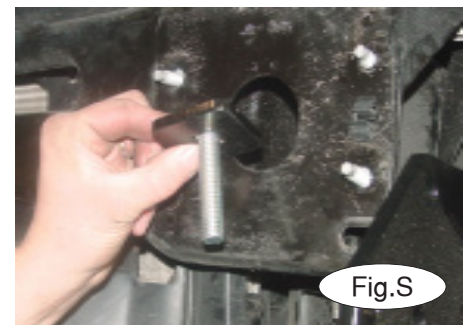


Fig.S

10. On the drivers side, assemble two 2 1/4" spacers on the bolts as shown (Fig.Q), then repeat for the passenger side using 2 3/4" spacers.

11. Put a side plate over the spacers on the bolts and bolt in place using 1/2" lock washers and nuts (Fig.R).

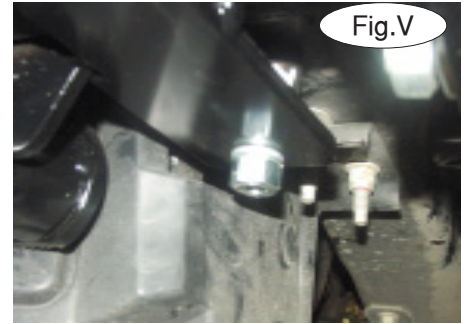
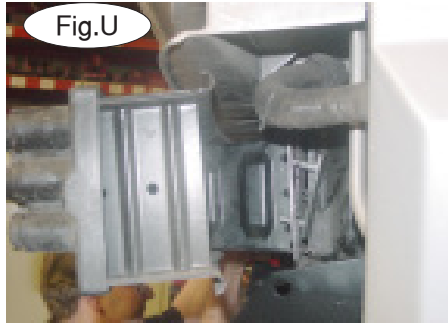
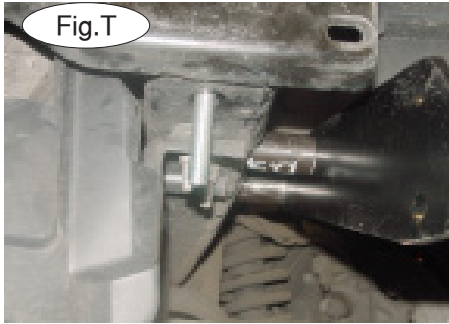
12. Find an existing bottom hole in the frame close to the front opening on each side and insert a 1/2" x 3" carriage bolt, 2" x 2" backing plate through the front of the frame and into the bottom hole on each side (Fig.S,T). Note that the hole may have a slug attached which should be broken off.



MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

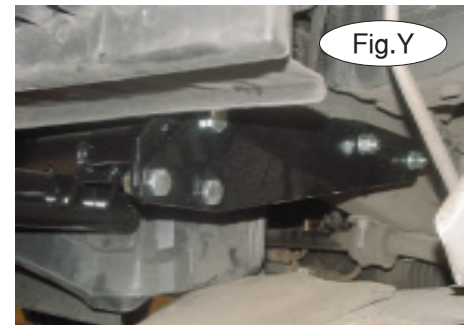
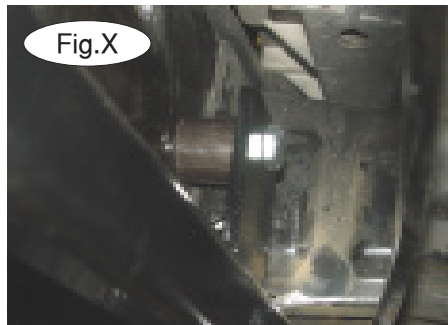
07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-668-9690 fax 360-736-9300 www.roadmasterinc.com



13. Now reinstall the bumper core reversing step 6 (Fig.U).

14. Once the bumper core is installed, hold the main receiver brace to the bottom of the frame between the side plates on each side and bolt in place using 1/2" nuts and lock washers on the carriage bolts installed in step 12 (Fig.V).



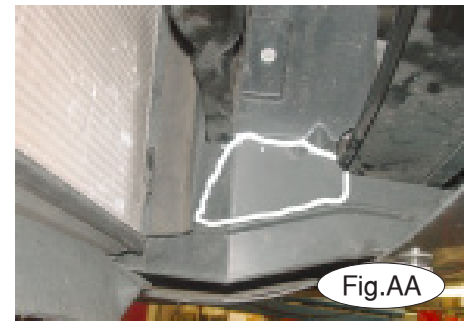
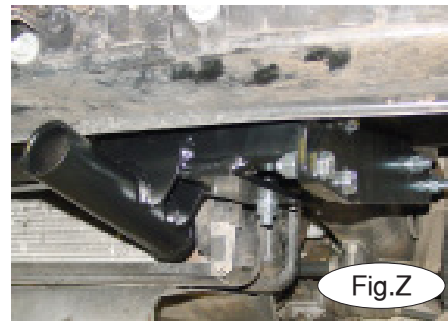
15. Bolt through the top receiver brace mounts and the radiator cross member with two 1/2" x 3 1/2" bolts, using 1 1/2" spacers and 2" x 3" backing plates. Finish with 1/2" lock washers and nuts (Fig.W,X).

16. Now bolt the side plates and the main receiver brace together on each side with three 1/2" x 1 1/2" bolts, lock washers and nuts (Fig.Y).

17. Tighten all mounting bolts to the torque specifications listed at the end of these instructions (Fig.Z).

18. Trim the radiator air deflectors to fit around the receiver brace (Fig. AA).

19. Replace the fascia, lights and radiator cover reversing steps 1 through 5.



ROADMASTER, INC.



MOUNTING BRACKET KIT INSTALLATION INSTRUCTIONS

07/12/06

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 1-800-669-9690 fax 360-736-9300 www.roadmasterinc.com

20. Install the front braces in the receivers, then turn 90 degrees to lock in place (Fig.BB).

21. Connect the 8" safety cables to the cable tabs located on the side of the receivers with the included cable connectors (Fig.BB). Connect the other end to the TOW VEHICLES safety cables.

22. Mount the tow bar according to the manufacturer's instructions.



ROADMASTER, INC.

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.