

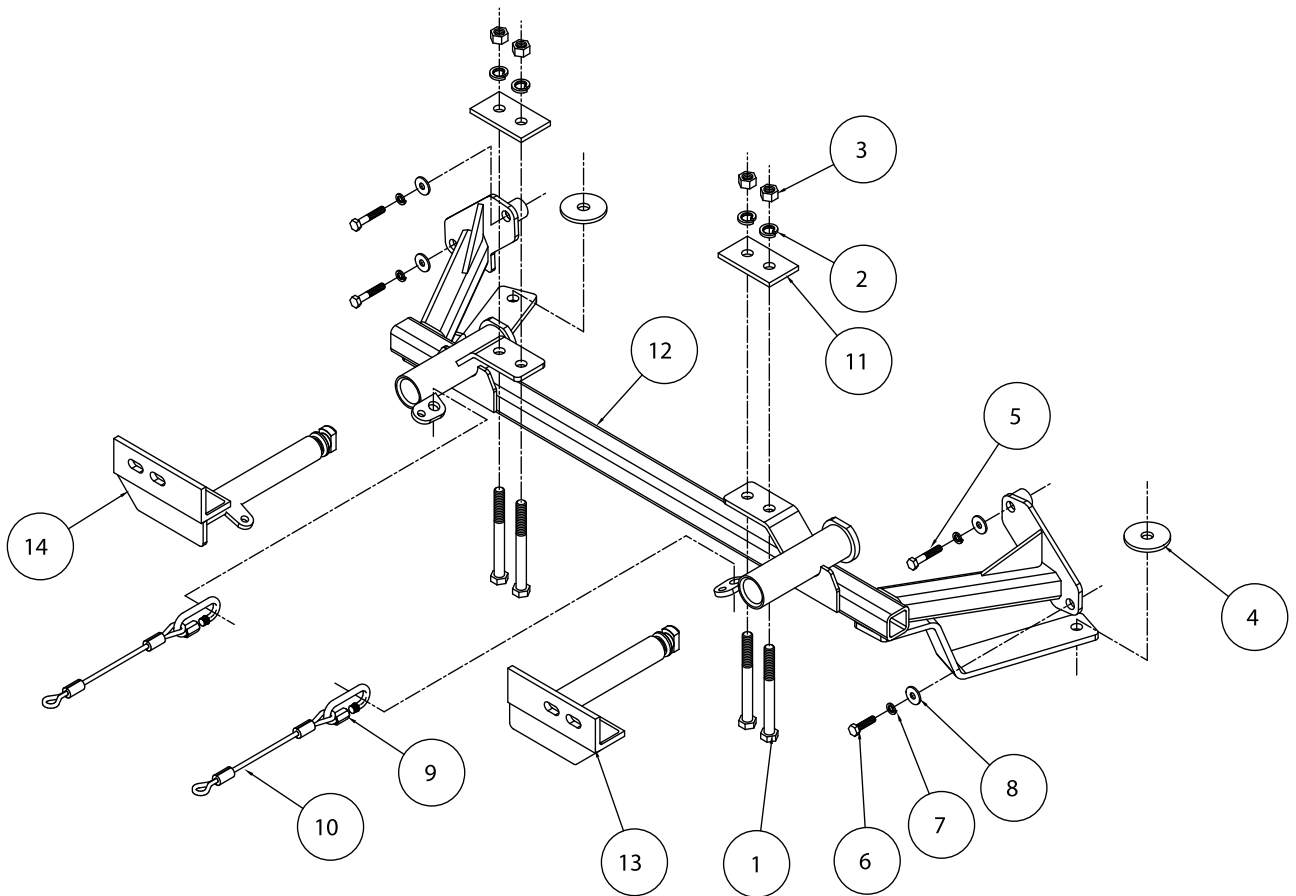


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52349-1

01/20/11
KS

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



ITEM	QTY	NAME	MATERIAL
1.....	4.....	1/2" x 5" BOLT.....	350107-00
2.....	4.....	1/2" LOCK WASHER.....	350309-00
3.....	4.....	1/2" HEX NUT.....	350258-00
4.....	2.....	1/2" PLATE WASHER.....	A-003086
5.....	2.....	8mm x 1.25 x 50 mm BOLT.....	56005-00
6.....	2.....	8mm x 1.25 x 30 mm BOLT.....	356001-00
7.....	4.....	8mm LOCK WASHER.....	355705-00
8.....	4.....	8mm FENDER WASHER.....	355702-00
9.....	2.....	QUICK LINK.....	200008-00
10.....	2.....	8" SAFETY CABLES.....	500646-08
11.....	2.....	1/4" x 2" x 3 1/2" 2 HOLE BACKING PLATE.....	A-000686
12.....	1.....	MAIN RECEIVER.....	C-001616
13.....	1.....	DRIVER SIDE ARM.....	C-001617
14.....	1.....	PASSENGER SIDE ARM.....	C-001618



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This is one of our EZ 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 consists of a main receiver brace, two removable front braces and a hardware pack.

The main receiver brace mounts to the frame rails and the bumper core. 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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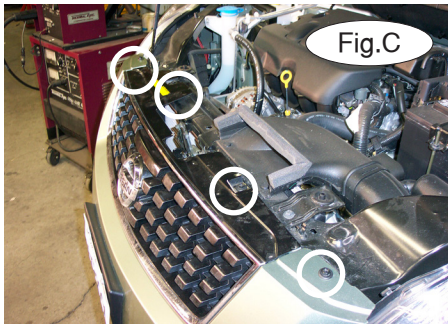


Fig.C



Fig.D

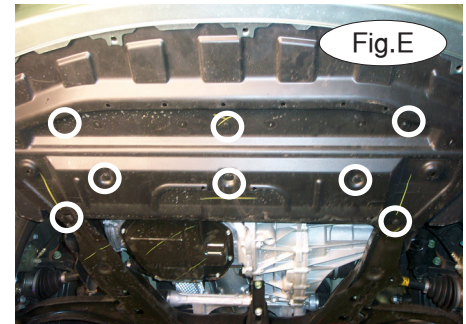


Fig.E

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 four 10mm (head) plastic fasteners attaching the top of the fascia to the core support (Fig.C).

2. Remove five plastic fasteners and six Phillips screws attaching the splash shields to the bottom of the fascia. The fasteners are located in the middle and the screws are on the outside. *Note:* the driver's side is shown in Figure D.

3. Remove eight more plastic fasteners attaching the center splash shield to the subframe. They are located toward the rear half of the splash shield (Fig.E).

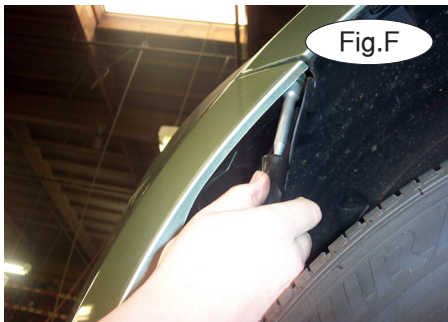


Fig.F



Fig.G

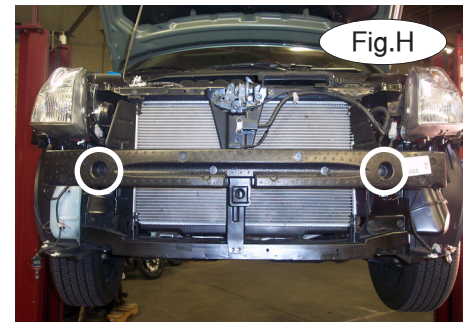


Fig.H

4. On each side, pull back the fender liner and remove a 10mm (head) bolt attaching the corner of the fascia to the fender (Fig.F). *Note:* Figure F shows the driver's side.

5. Disconnect the fog lights, if the vehicle is so equipped.

6. Pull out and forward on the corners of the fascia to remove it (Fig.G).

7. Temporarily remove the foam shock absorption pad by removing two plastic push fasteners (Fig.H).



Fig.I

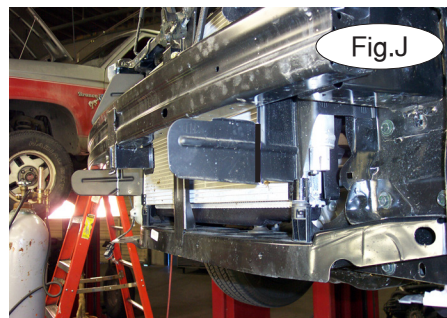


Fig.J



Fig.K

8. On each side, remove two 13mm (head) bolts from the front of the core support (Fig.I). *Note:* the driver's side is shown.

9. Trim the air deflectors to allow for clearance of the main receiver brace. Use the black line in Figure J as a guide for trimming.

10. Support the subframe and, on each side, remove one 18mm subframe bolt (Fig.K).



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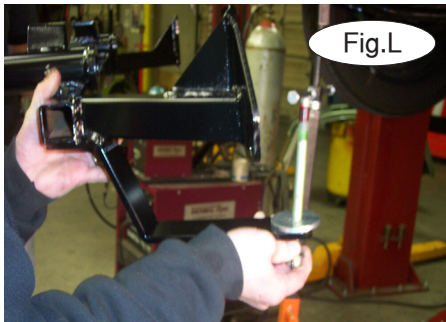


Fig.L

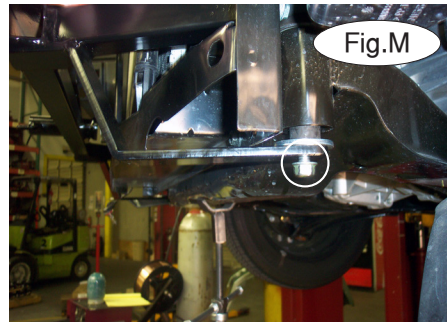


Fig.M

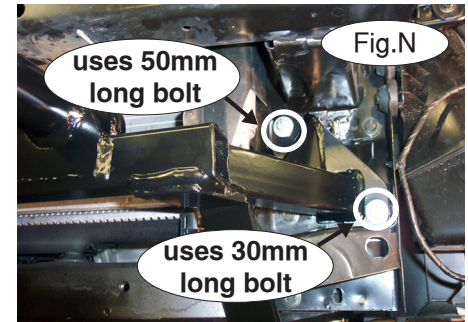


Fig.N

11. Place the factory subframe bolts through the rear mounting points on the main receiver brace. Place the ½" plate washers and factory subframe washers over the factory subframe bolts. *Note:* use thread lock on the bolts (Fig.L).

Place the main receiver brace over the end of the frame rail and bolt the subframe bolts into place (Fig.M).

12. Bolt through the upper inside hole of the main receiver brace and into the frame rail using the 8mm x 1.5 x 50mm bolt, lock washer and fender washer. The lower hole will use the supplied 8mm x 1.5 x 30mm bolt, lock washer and fender washer (Fig.N – driver's side).

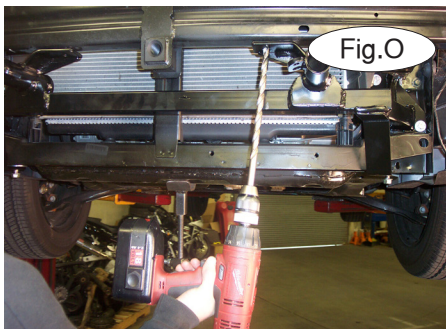


Fig.O

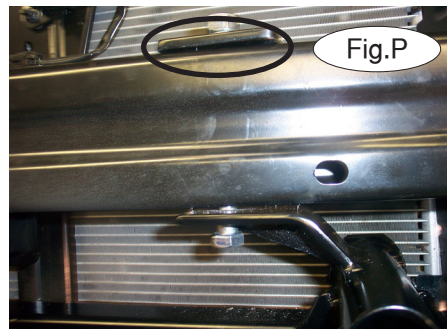


Fig.P

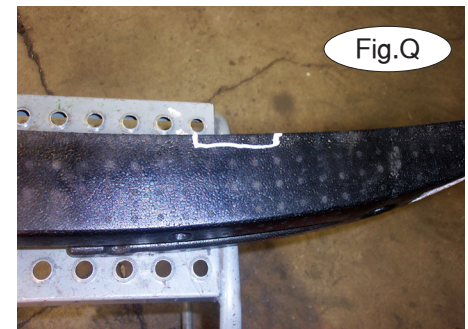


Fig.Q

13. On both sides, using the front mounting points of the main receiver brace as a template, drill two holes from the bottom and through the top of the bumper core (Fig.O).

14. Bolt through the main receiver brace and bumper core on both sides using the supplied ½" x 5" bolts, lock washers, nuts and 2" x 3½" backing plates. *Note:* place the backing plate on the top of the bumper core (Fig.P).

15. Tighten all the bolts to the bolt torque requirements found at the end of this document. Start with the subframe bolts, then the main receiver brace-to-bumper core bolts, then finish with the frame rail bolts.

16. Hold the foam shock absorption pad in place over the bumper core and mark it for trimming to allow for clearance of the backing plates you installed in step 14. Use the white lines in Figure Q as a guide for trimming.

17. Reinstall the fascia, reversing steps 1 through 6.

18. Before reinstalling it, trim the center splash shield using the white lines in Figure R as a guide. Figure S shows the trimmed splash shield.

19. Tighten the front and rear bolts to the bolt torque requirements found at the end of this document.

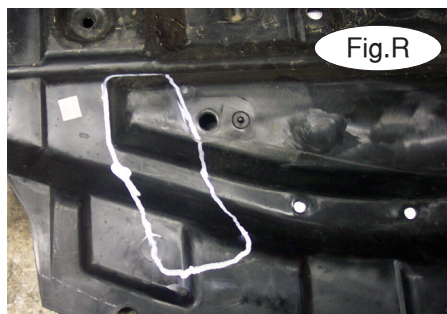


Fig.R

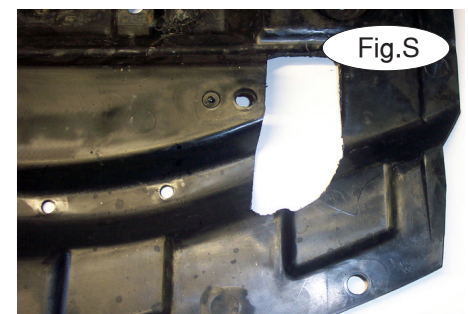


Fig.S



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20. Using the included cable connectors (Quick Links), attach one end of the 8" safety cables to the front holes on the receiver cross bar on each side of the receiver brace. Connect the other end to the tow vehicle's safety cables and the tow bar.



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.