



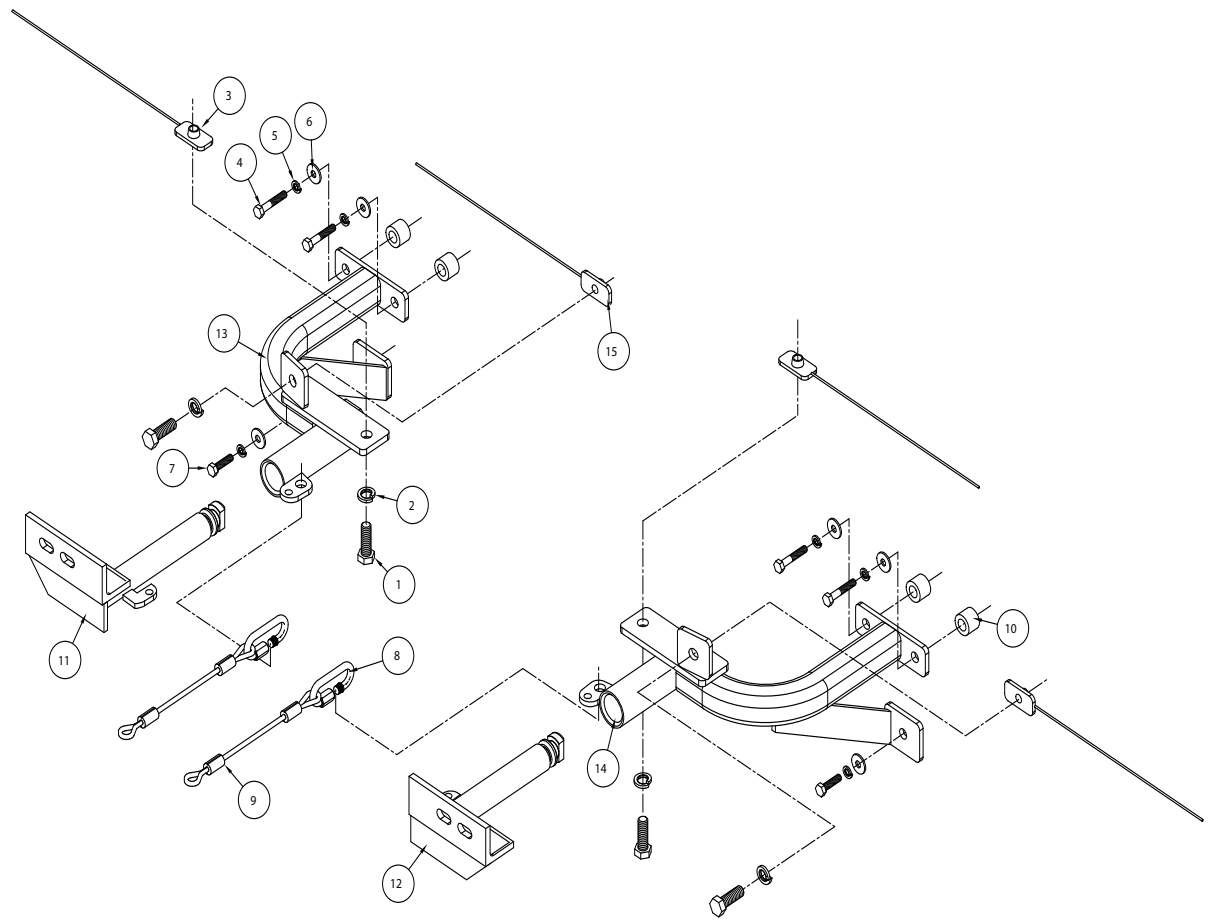
BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 521019-1

04/17/12
KS

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

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ITEM	QTY	NAME	MATERIAL
1.....4.....	4.....	1/2" x 1 1/2" BOLT.....	350095-00
2.....4.....	4.....	1/2" LOCKWASHER.....	350309-00
3.....4.....	4.....	1/2" NUT.....	350258-00
4.....4.....	4.....	8mm X 1.25 X 45 mm BOLT.....	356004-00
5.....6.....	6.....	8mm LOCK WASHER.....	355705-00
6.....6.....	6.....	8mm FENDER WASHER.....	355702-00
7.....2.....	2.....	8mm X 1.25 X 30 mm BOLT.....	356001-00
8.....2.....	2.....	QUICK LINK.....	200008-00
9.....2.....	2.....	SAFETY CABLE.....	650646-08
10.....4.....	4.....	1" RND 0.219 WALL X 3/4" TUBE.....	A-000558
11.....1.....	1.....	PASSENGER SIDE ARM.....	C-001480
12.....1.....	1.....	DRIVER SIDE ARM.....	C-001479
13.....1.....	1.....	PASSENGER SIDE RECEIVER.....	C-001482
14.....1.....	1.....	DRIVER SIDE RECEIVER.....	C-001481
15.....4.....	4.....	1" x 2" THREADED BACKING PLATE W/ HANDLE.....	C-002439



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This is one of our EZ2 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 passenger and driver side main receiver brace, two removable front bracket arms and a hardware pack. The main receiver braces mount to the bumper and the top and bottom of the frame rail. The removable front brackets install in the main receiver braces.

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.

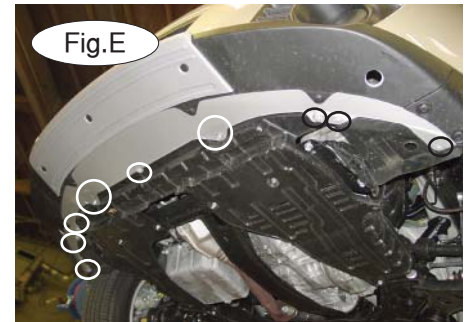
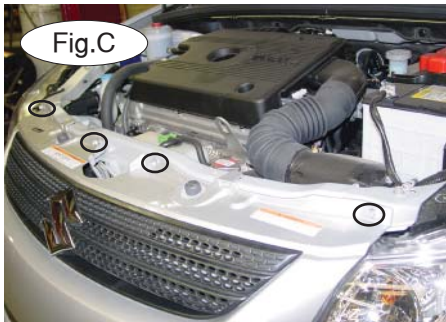


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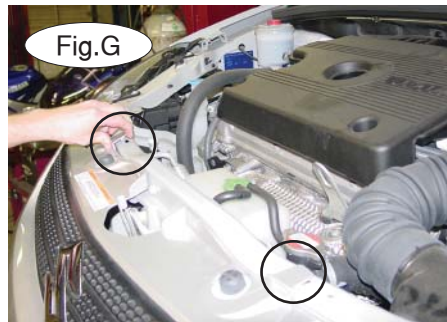
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1. **Important:** please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel. Now, begin the installation by removing four 10mm screws attaching the top of the fascia to the core support (Fig.C).

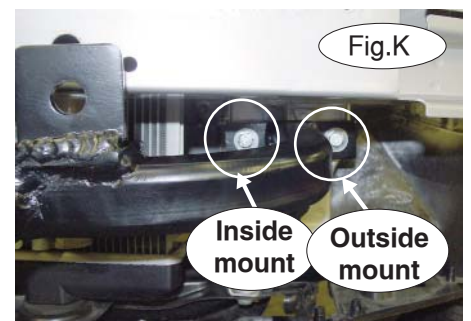
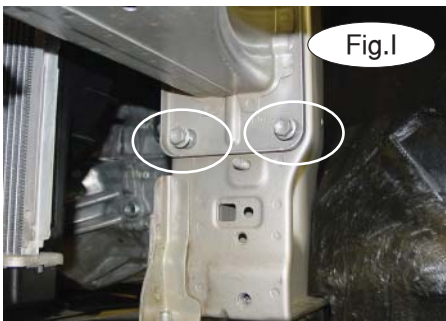
2. Next, remove one Phillips head screw and one plastic fastener attaching the fascia to the corner of the fender and the fender liner. Repeat for the other side (Fig.D).

3. Remove seven Phillips head screws and two 10mm bolts attaching the fascia to the lower splash panel (Fig.E).



4. Now, pull out and forward on both corners of the fascia (Fig.F). Then, pull up on the lock tabs holding the top of the fascia to the core support to remove the fascia (Fig.G).

5. Temporarily remove the shock absorption pad from the bumper core by removing two plastic fasteners, one on each side (Fig.H).



6. Next, remove four 12mm head bolts attaching the bumper core to the frame rail, two per side (Fig.I)

7. Starting with the driver side, place the 1" x $\frac{3}{4}$ " spacer between the main receiver brace and the bumper core, at the outermost mounting point – Fig.K Bolt into place using a 8mm x 1.25 x 45mm bolt, fender washer and lock washer. You will be bolting into the weld nuts that you removed the bumper core bolts from in step 6.

8. Repeat step 7 for the inside mounting point (Fig.K).

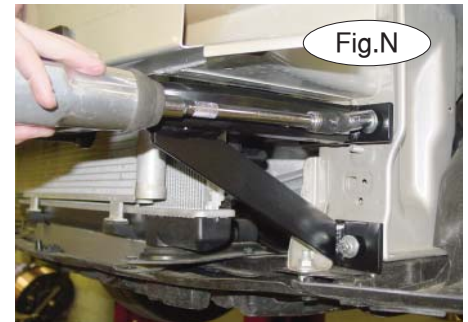
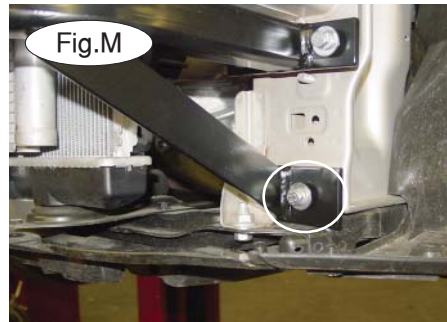
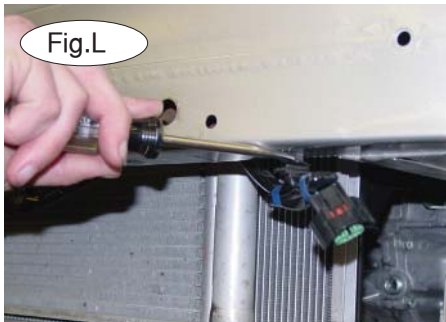


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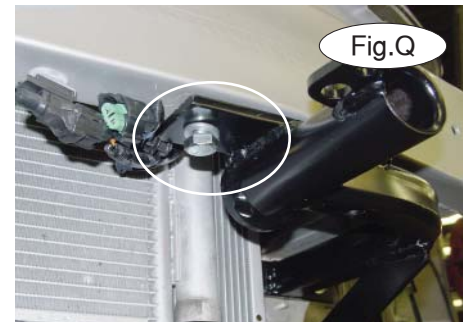
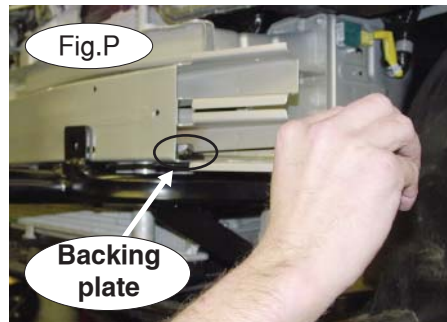
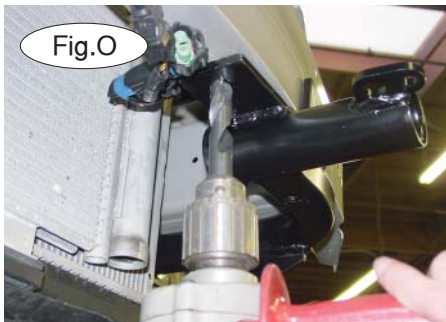
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9. Now, remove the plastic tab attaching the wiring harness to the bumper core, located on the driver side (Fig.L).

10. Bolt through the lower mount in the main receiver brace using the 8mm x 1.5 x 30mm bolt, fender washer and lock washer (Fig.M). *Note:* you will be bolting into the existing weld nut in the frame rail.

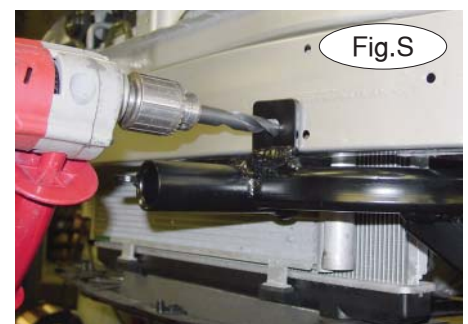
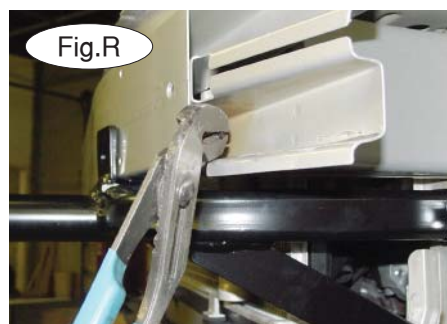
11. Holding the main receiver brace in place, tighten all three bolts to the torque specifications listed at the end of these instructions (Fig.N).



12. Using the main receiver brace as a template, drill through the bottom of the bumper core (Fig.O).

13. Now, insert the 1" x 2" nipped backing plate into the lower opening in the bumper core (Fig.P). Bolt through the main receiver brace, bumper core and into the backing plate using a 1/2" x 1 1/2" bolt and lock washer (Fig.Q). Tighten the bolt to the torque specification listed at the end of these instruction. Using a pair of pliers break off the wire attached to the backing plate (Fig.R).

14. Using the upper front mount in the main receiver brace as a template, drill through the face of the bumper core (Fig.S).



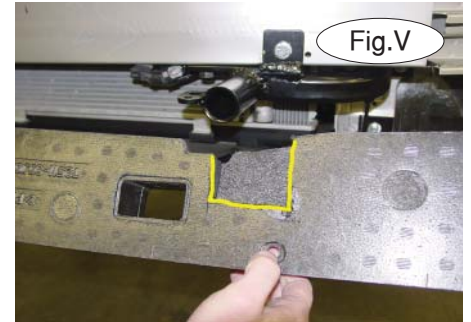
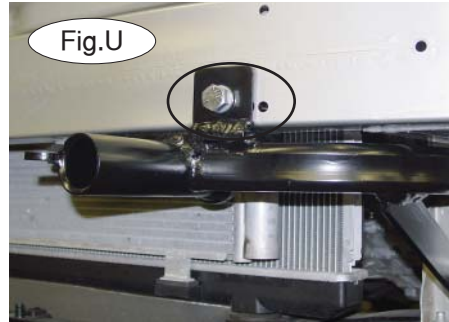
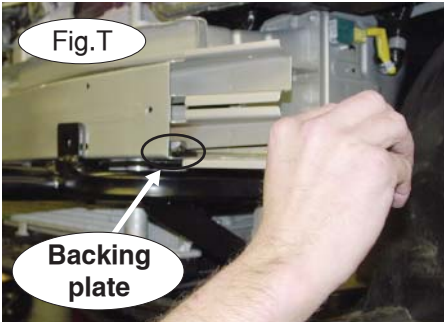


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15. Insert the 1" x 2" nitted backing plate into the lower opening in the bumper core (Fig.T). Bolt into place using a 1/2" x 1 1/2" bolt and lock washer (Fig.U). Now, tighten to the torque specification listed at the end of these instructions.
16. Repeat steps 7 through 15 for the passenger side of the vehicle.
17. The shock absorption pad will need to be trimmed before you reinstall it. Use the yellow marker line in Figure V as a guide for correct trimming.
18. Reinstall the fascia, reversing steps 1 through 3.
19. Insert the tubular front braces into the main receiver brace, and twist 90 degrees to lock (Fig.W).
Note: remove the tubular front braces when not towing, unless a cross bar or tow bar is in place.
- Attach the safety cables with the cable connectors (Q-links) to the front of the tubular front braces (Fig.W). Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.
20. 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.....	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.
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