

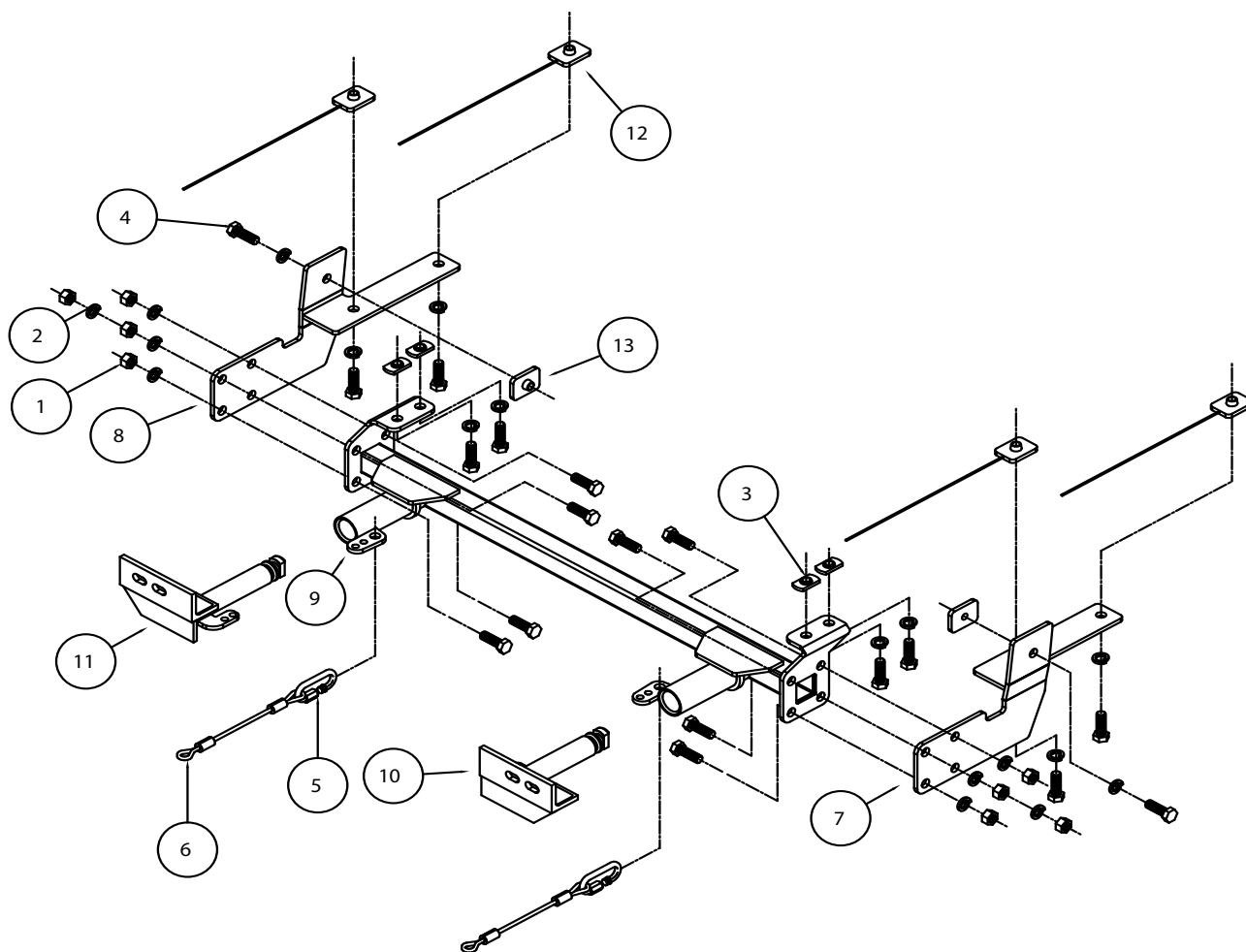


# BASEPLATE KIT INSTALLATION INSTRUCTIONS

**KIT# 52728-1**

 10/11/11  
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.....8	.....	1/2" HEX NUT.....	350258-00
2.....18	.....	1/2" LOCK WASHER.....	350309-00
3.....4	.....	1/2" TAB WELD NUT.....	350270-00
4.....18	.....	1/2" x 1 1/2" BOLT.....	350095-00
5.....2	.....	QUICK LINK.....	200008-00
6.....2	.....	.8" SAFETY CABLE.....	650646-08
7.....1	.....	DRIVER SIDE MOUNT.....	C-001433
8.....1	.....	PASSENGER SIDE MOUNT.....	C-001434
9.....1	.....	MAIN RECEIVER.....	C-001435
10.....1	.....	DRIVER SIDE ARM.....	C-001436
11.....1	.....	PASSENGER SIDE ARM.....	C-001437
12.....4	.....	3/16" x 1 1/2" x 2" THREADED BACKING PLATE W/ ROD.....	C-001438
13.....2	.....	3/16" x 1 1/2" x 2" THREADED BACKING PLATE.....	A-003077



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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 by from the front of the car by rotating the front braces (Fig.A and Fig.B). The bracket kit consists of a main receiver brace, two side braces, two removable front braces and a hardware pack. The main receiver brace mounts to the bumper core and side braces. The side braces mount to the frame rails. 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.

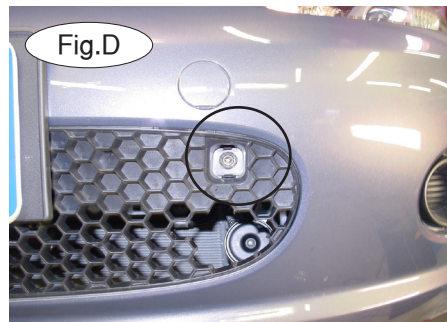
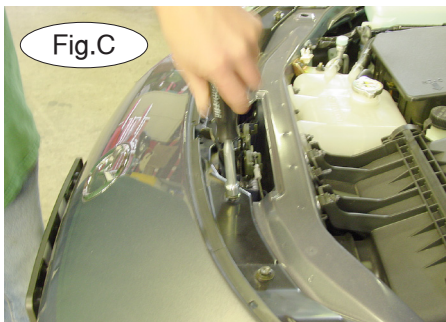


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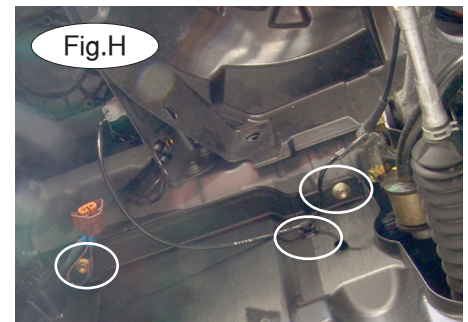
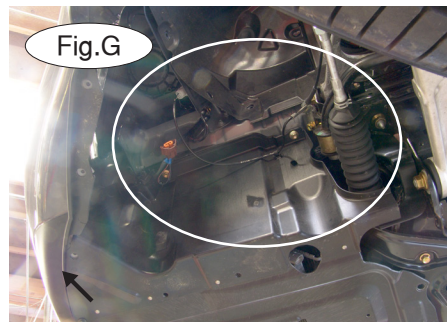
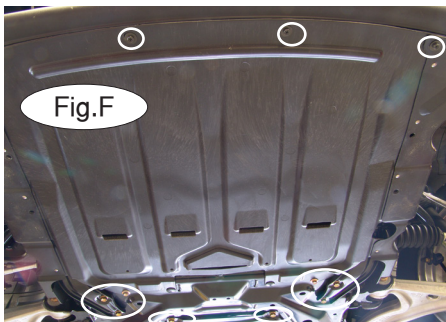
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1. **Important:** please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel. Now, begin the installation. Start by removing eight 10mm (head) bolts attaching the fascia to the core support (Fig.C). *Note:* due to manufacturing variances, newer models may have a different number of fasteners.

2. Next, remove the two plastic inserts in the grille. Then remove the two 10mm head bolts in the grille (Fig.D).

3. Remove seven plastic fasteners and three 8mm (head) screws attaching the lower fender liner to the fascia. The 8mm (head) screws are located on the bottom of the fender liner (Fig.E).



4. Remove the center splash shield by removing five 8mm (head) bolts, two plastic fasteners and two 10mm (head) bolts. The 8mm (head) bolts are in the front. The plastic fasteners and the 10mm bolts are in the rear of the splash shield. Next, remove two more 10mm (head) bolts per side, and one plastic fastener (Fig.F,G).

5. Now, remove the plastic fastener on the splash shield that holds the anti-lock brake cable in place (Fig.H).

6. Remove the three plastic fasteners attaching the upper fender liner to the fender well (Fig.I).

7. Pull back the fender liner and remove one 10mm (head) bolt and two 10mm nuts (Fig.J).

8. Next, unplug the marker lights. Also unplug the fog lights if the vehicle is so equipped.







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Fig.K

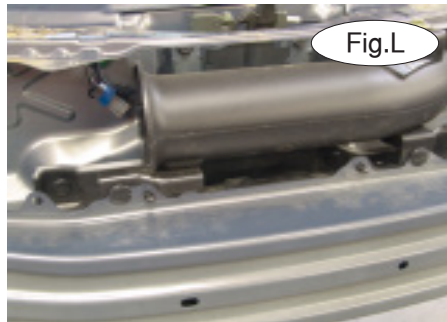


Fig.L

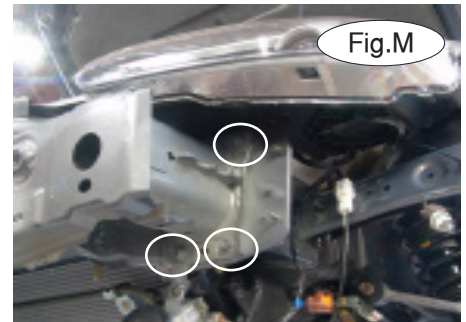


Fig.M

9. Pull forward to remove the fascia (Fig.K).

10. Remove the bumper core by first removing the four plastic fasteners holding the air ducting to the core support (Fig.L). On both sides, remove the four 12mm bolts attaching the bumper core to the support (Fig.M, N).



Fig.N



Fig.O

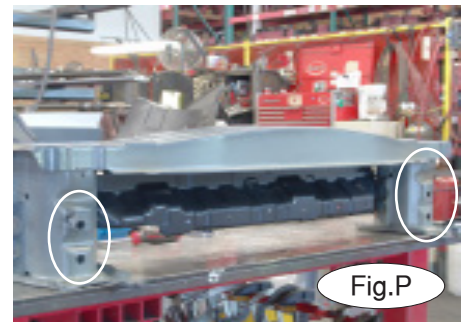


Fig.P

11. Now, unplug the horn (Fig.O).

12. Drill out the four existing holes on the underside of the bumper core to a 1/2" (Fig.P).

13. Bolt the main receiver brace to the bumper core using the four supplied 1/2" x 1 1/2" bolts, lock washers and T-nuts (Fig.N).

14. On both sides, insert two 1/4" x 1 1/2" x 2 backing plates with attached wires into the openings of the frame (Fig.O).

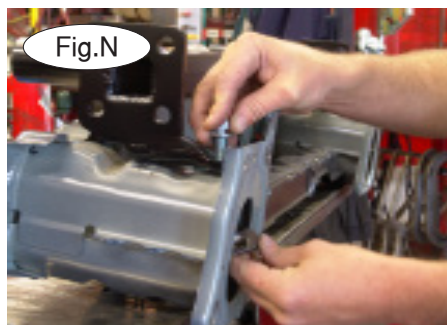


Fig.N



Fig.O

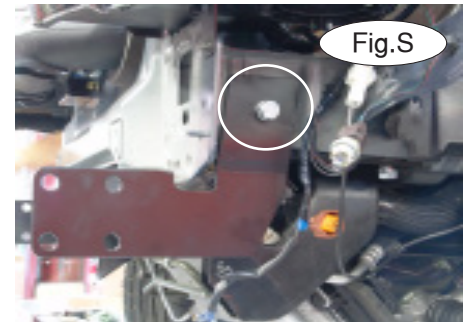
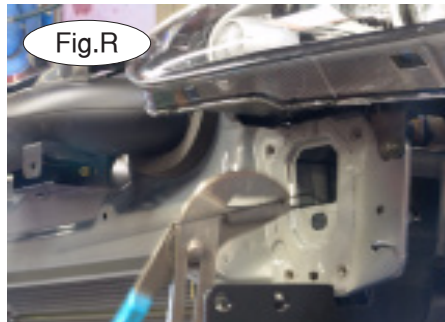
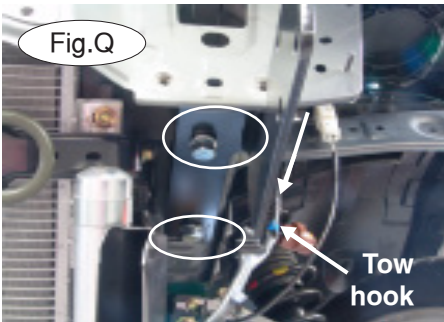


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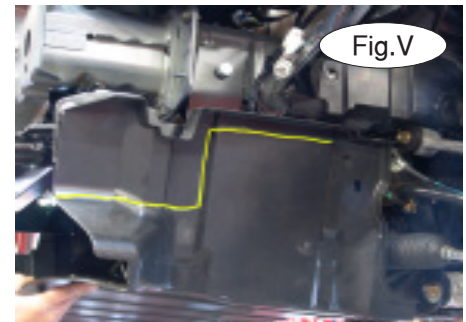
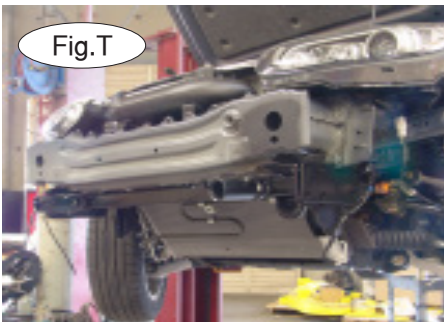
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15. On both sides, bolt the side brace into place using two  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " bolts and lock washers. Bolt through the existing holes in the frame rail (Fig.Q).

16. Using a pair of pliers break off the wires attached to the backing plates (Fig.R).

17. On both sides, Insert the  $\frac{1}{4}$ " x  $1\frac{1}{2}$ " x 2 backing plate into the end of the frame rail. Bolt through the side brace with a  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " bolt and lock washer (Fig. S).



18. Now, bolt the bumper core back into place (Fig.T), reversing step 10.

19. On both sides, bolt the main receiver brace to the side brace using eight  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " bolts, lock washers and nuts (Fig.U).

20. Tighten all the bolts to the torque specifications listed at the end of these instructions.

21. Mark and trim the splash shield to allow clearance of the side braces (Fig.V).

22. Hold the fascia over the main receiver brace and mark for trimming (Fig.W).





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23. Insert the front braces in the receiver braces and turn 90 degrees to lock.

24. Install the safety cables and connectors .

25. Attach the ends of the 8" safety cables to the front holes in the cable mounting tabs located on the inside of the receiver braces with the included cable connectors (Fig.X). Connect the other end to the tow vehicle's safety cables and tow bar.

26. Install the tow bar according to the manufacturer's instructions and torque all mounting bolts to the specifications below.



## 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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