



BASEPLATE KIT INSTALLATION INSTRUCTIONS

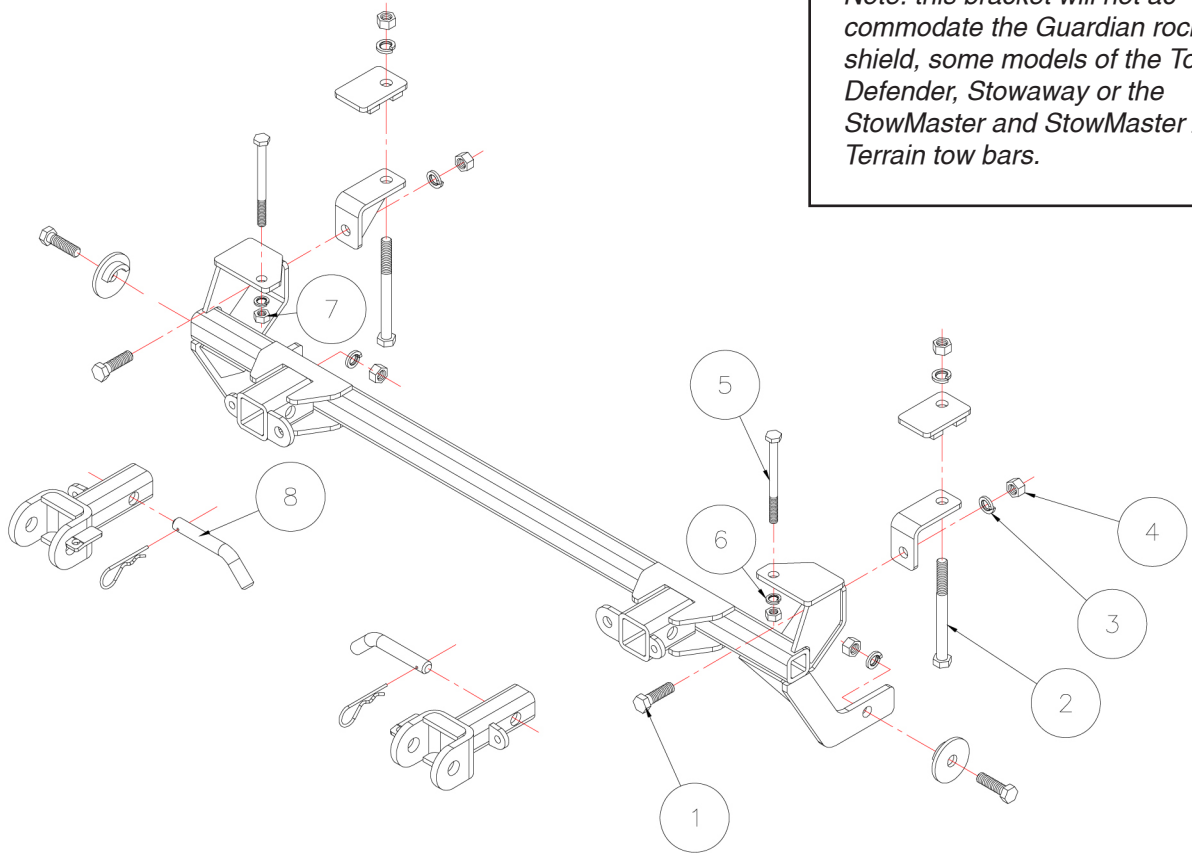
KIT# 1017-3

11/08/11
KS

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Important

Note: this bracket will not accommodate the Guardian rock shield, some models of the Tow Defender, Stowaway or the StowMaster and StowMaster All Terrain tow bars.



ITEM	QTY	Length	Width	HARDWARE	PART NO
1	4	1 3/4"	1/2"	1/2" x 1 3/4" BOLT	350096-00
2	2	5 1/2"	1/2"	1/2" x 5 1/2" BOLT	350108-00
3	6		1/2"	LOCK WASHER	350309-00
4	6		1/2"	NUT	350258-00
5	2	120mm	10mm	M10 x 1.25 x120mm BOLT	356210-00
6	2		10mm	NUT	356220-00
8	2		5/8"	DRAW PIN, SPRING PIN	357035-00

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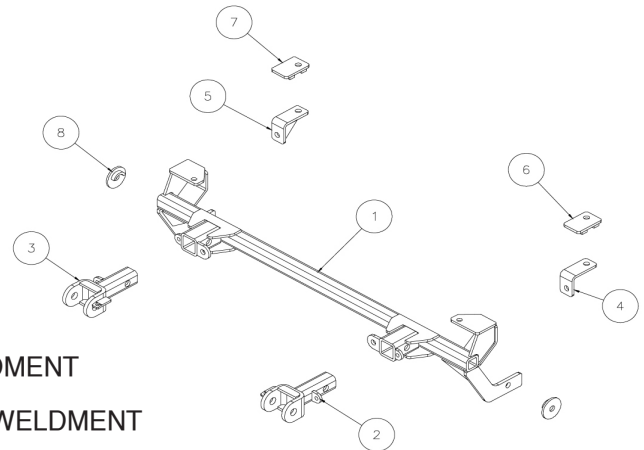
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R O A D M A S T E R , I N C .



ITEM	QTY	PART NO.	ASSEMBLY
1	1	C-000960	MAIN BRACE
2	1	C-000973	DRIVER SIDE ARM WELDMENT
3	1	C-000974	PASSENGER SIDE ARM WELDMENT
4	1	C-000964	DRIVER SIDE LOWER CORE SUPPORT BRACE TO FRAME RAIL
5	1	C-000963	PASSENGER SIDE LOWER CORE SUPPORT BRACE TO FRAME RAIL
6	1	C-000965	DRIVER SIDE BACKING PLATE
7	1	C-000966	PASSENGER SIDE BACKING PLATE
8	2	C-000967	CUSTOM PLATE WASHER

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
- Use lock washers on all fasteners

WARNING

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

- Installation of most baseplates 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.
- 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 mounting points 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 kit 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 baseplate is securely fastened to the vehicle and fitted with the correct hardware to account for these changes. Failure to securely fasten the baseplate 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 baseplate. Do not install the baseplate if any structural frame damage is found. Failure to repair the damage could result in the loss of the towed vehicle.
- 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, resulting in non-warranty damage or personal injury.
- 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 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 kit is designed for use with ROADMASTER tow bars and ROADMASTER adaptors only. Using this kit with other brands, without an approved ROADMASTER adaptor, may result in non-warranty damage or injury.
- Do not use this document for custom fabrication, as it may not show all parts or structural components. Custom fabrication, or any attempt to copy this baseplate design, could result in loss of the towed vehicle.
- Upon final installation, the installer must inspect the baseplate to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc., or non-warranty damage to the towed vehicle will result.
- This baseplate is only warranted for the original installation. Installing a used baseplate on another vehicle is not recommended and will void the warranty.



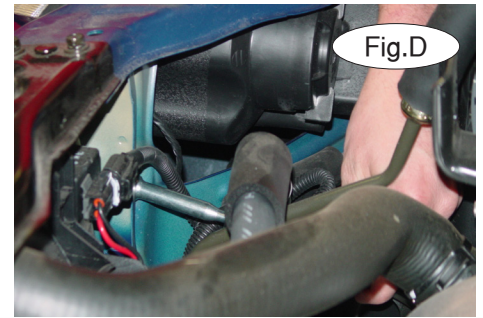
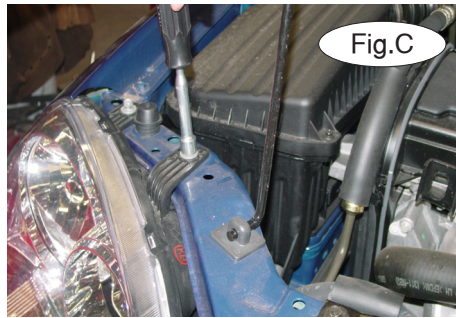
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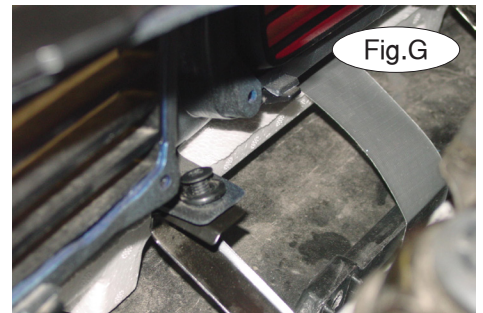
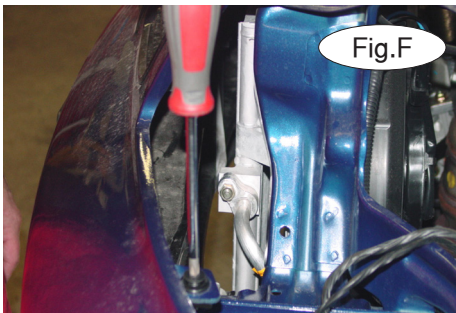
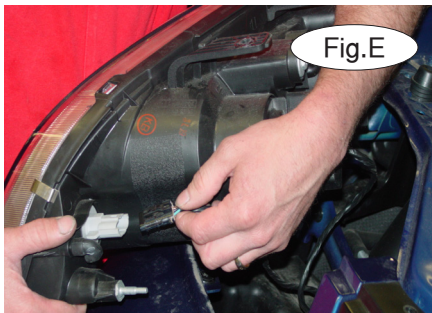
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1. This bracket kit is one of our MX series with removable front braces. The kit consists of a receiver brace which mounts to the side of the front frame tubes, two removable front braces and a hardware packet. Everything but the front arm braces install behind the bumper fascia (Fig. A). The front fascia and grille will have to be removed for the installation. Note: The photo portrays the XL version.
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 by removing four plastic fasteners (phillip head) on the top of the fascia between the headlights (Fig.B).

3. Remove two bolts (10mm head) in the top of each headlight (Fig.C), and one more in the bottom (Fig.D). Disconnect two connections in the back of each headlight (Fig.E) and remove.
4. Remove four plastic fasteners in each headlight opening (Fig.F). two more fasteners behind the grille (Fig.G).



5. Disconnect the side marker lights (Fig.H) then remove four lower (7mm head) fasteners from the lower fascia on each side (Fig.I).
6. Pull the splash panel down to access the fender fascia joint and remove a screw (7mm head) located in the fender joint on each side (Fig.J).



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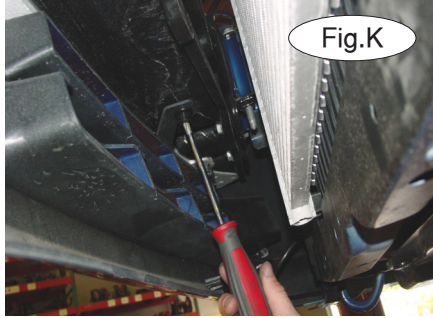


Fig.K



Fig.L



Fig.M

7. Move under the bumper core and remove two plastic fasteners holding the fascia (Fig.K,L).
8. Pull forward to remove the fascia. (Fig.M).

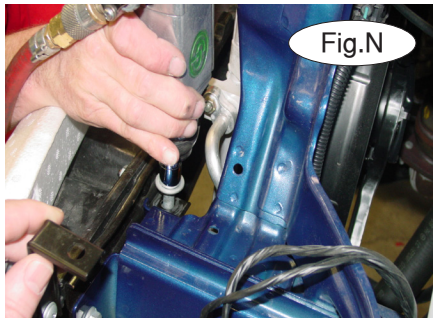


Fig.N

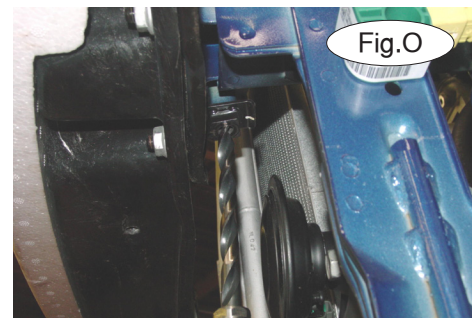


Fig.O



Fig.P

9. Working on the drivers side, remove the large bumper bolt located behind the bumper core (Fig.N).
10. Drill the lower bumper bolt frame nut with a 13/32" drill bit (Fig.O).
11. While in the area remove the horn (Fig.P)(14mm head) bolt and remove two more plastic fasteners from the lower splash panel for access (Fig.Q).



Fig.Q

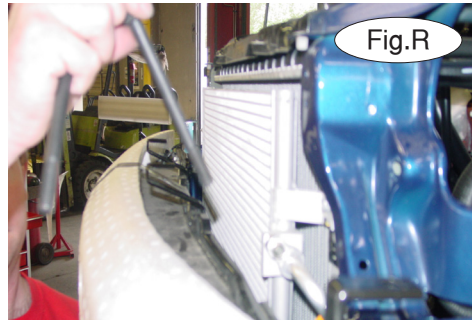


Fig.R

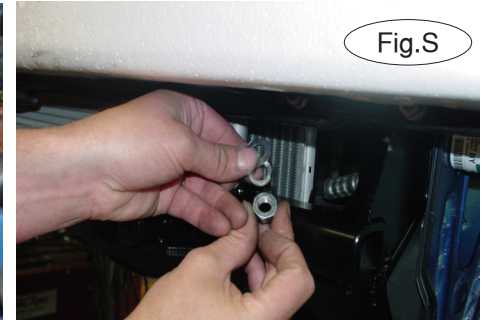


Fig.S

12. Replace the original bumper core bolt with a 10mm x 1.25 x 120mm bolt (Fig.R), then repeat steps 9 through 12 for the passenger side excluding the horn.
13. Hold the main receiver brace under the bumper core with the 10mm bolts through the upper mounts then bolt in place using a fender washer, lock washer and nut on each side (Fig.S,T).

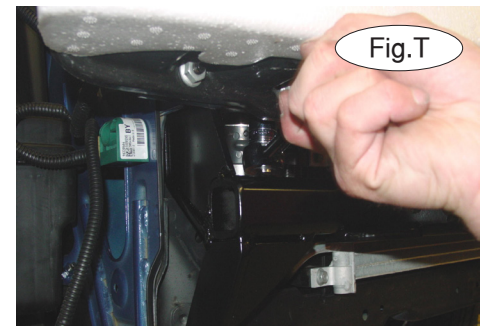


Fig.T



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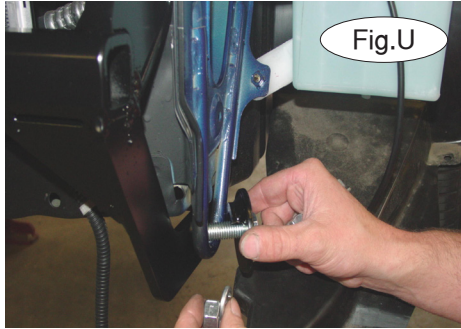


Fig.U



Fig.V

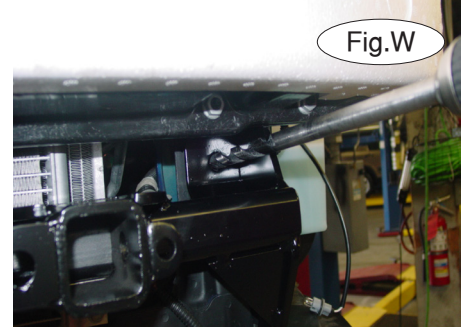


Fig.W

14. Bolt through the lower main receiver brace mounting holes and the vehicles tie down loops with 1/2" x 1 3/4" bolts, welded backing plates, lock washers and nuts on each side (Fig.U,V). Tighten all the mounting bolts installed so far.
15. Drill through the front of the frame on each side using the main receiver brace as a drill guide (Fig.W).

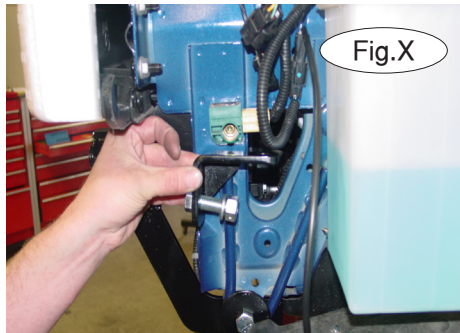


Fig.X

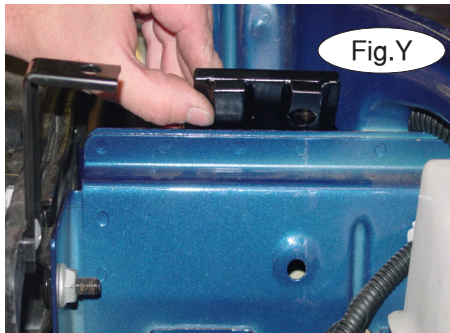


Fig.Y

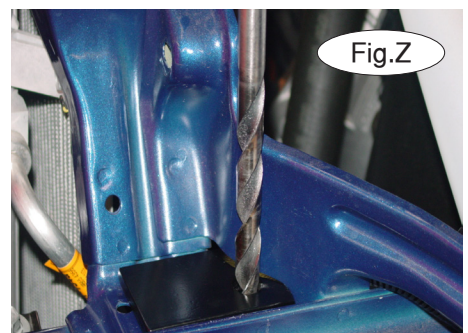


Fig.Z

16. Bolt through these holes mounting holes in the receiver brace, the frame and the rear frame rail braces with 1/2" x 1 3/4" bolts, flat washers and nuts on both sides (Fig.X).
17. Fit the top backing plate to the top frame corrugations and use as a drilling guide for the top hole in the frame on each side (Fig.Y,Z). Continue drilling through the bottom of the frame and the installed frame supports on the bottom of the frames (Fig.AA).

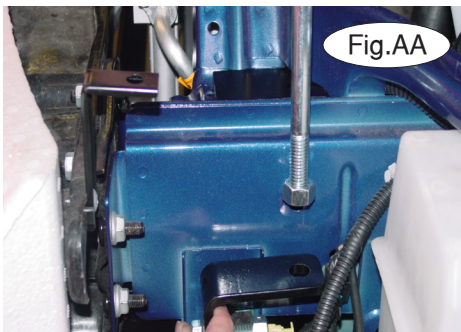


Fig.AA

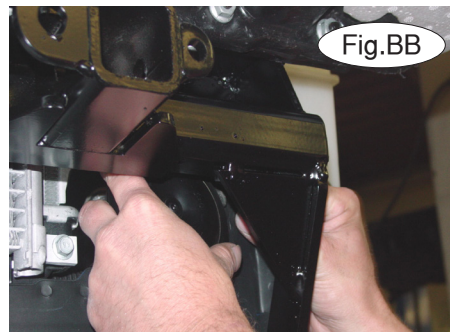


Fig.BB

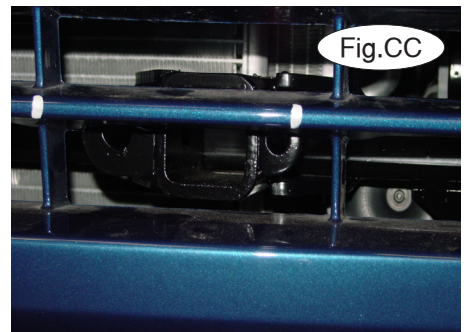


Fig.CC

18. Bolt through the bottom frame support and the top backing plate with 1/2" x 5 1/2" bolts, lock washers and nuts (Fig. AA), then tighten all mounting bolts to the torque specifications below.
19. Refit horn removed in step 11, bend the mount as needed to displace horn away from the main brace. Double check and make sure the horn body or diaphragm doesn't contact anything (Fig.BB).
20. Trial fit the fascia mark, and cut center rib as shown to fit (Fig.CC), then reinstall fascia reversing steps 2 through 7.



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21. Install the front braces in the receiver tubes a pin in place with 5/8" draw pins and 3/16" spring pins.
22. Attach the safety cables to the main receiver brace.
23. Install the tow bar according to the manufacturer's instructions and torque all bolts to the bolt torque requirements 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			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.