

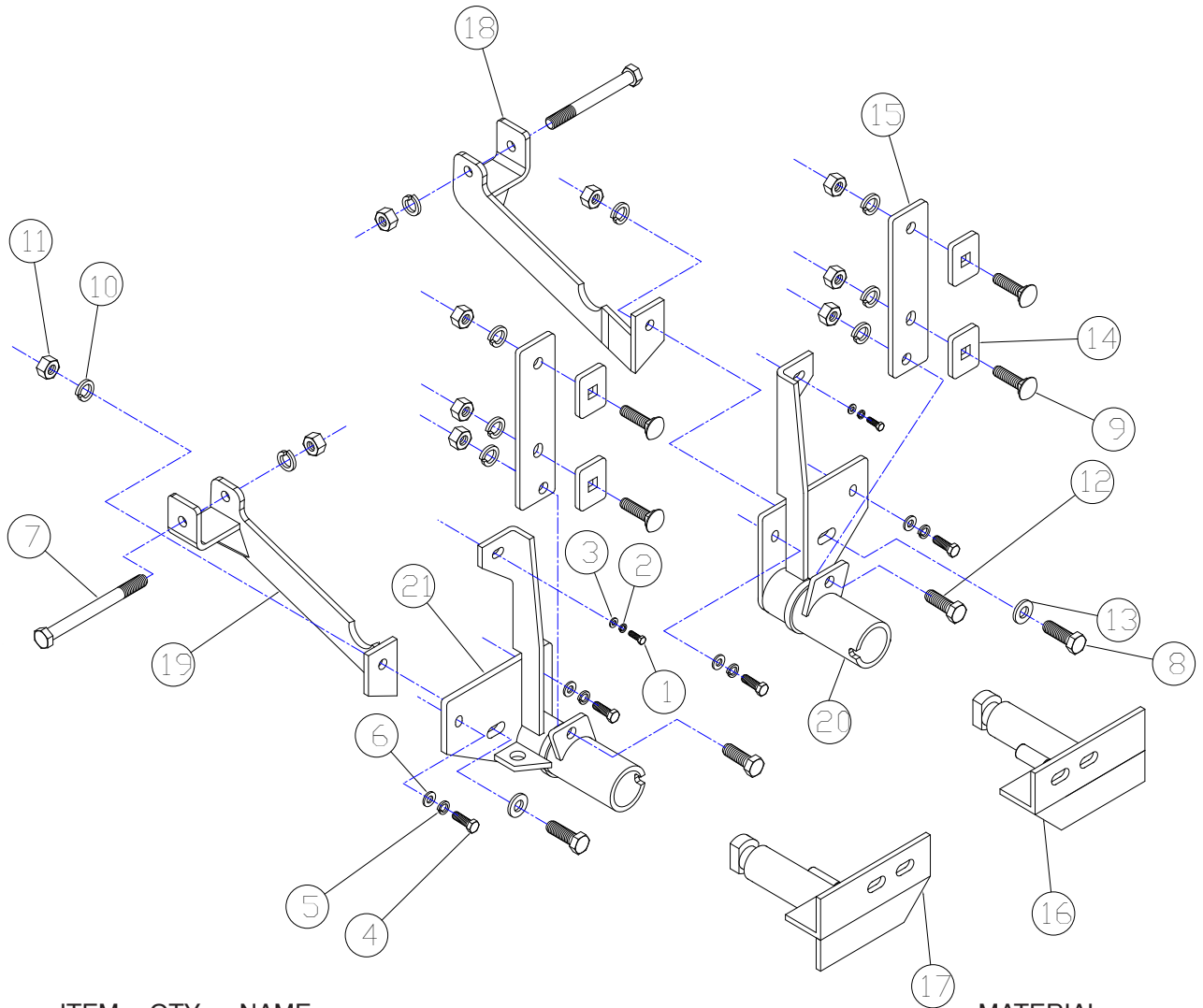


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 521225-1

03/11/20
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.....2.....	2.....	M6 x 1.0 x 35 mm BOLT	355896-00
2.....2.....	2.....	M6 LOCK WASHER	355761-00
3.....2.....	2.....	M6 FENDER WASHER	355755-00
4.....4.....	4.....	M8 x 1.25 x 35 mm BOLT	356002-00
5.....4.....	4.....	M8 LOCK WASHER	355705-00
6.....4.....	4.....	M8 FENDER WASHER	355702-00
7.....2.....	2.....	1/2" x 4" BOLT.....	350105-00
8.....2.....	2.....	1/2" x 1 1/2" BOLT.....	350095-00
9.....4.....	4.....	1/2" x 1 1/2" CARRIAGE BOLT	350362-00
10.....10.....	10.....	1/2" LOCK WASHER	350309-00
11.....10.....	10.....	1/2" HEX NUT	350258-00
12.....2.....	2.....	1/2" x 1 1/4" BOLT.....	350094-00
13.....2.....	2.....	1/2" FLAT WASHER	350308-00
14.....4.....	4.....	1/4" x 1 1/2" x 2" BACKING PLATE	A-000039
15.....2.....	2.....	1/4" x 2" x 7 7/8" BACKING PLATE	A-003864
16.....1.....	1.....	DRIVER SIDE ARM.....	C-002201
17.....1.....	1.....	PASSENGER SIDE ARM	C-002202
18.....1.....	1.....	DRIVER SIDE BRACE	C-002334
19.....1.....	1.....	PASSENGER SIDE BRACE.....	C-002335
20.....1.....	1.....	DRIVER SIDE RECEIVER	C-002336
21.....1.....	1.....	PASSENGER SIDE RECEIVER.....	C-002337



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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 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.



Stock



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.



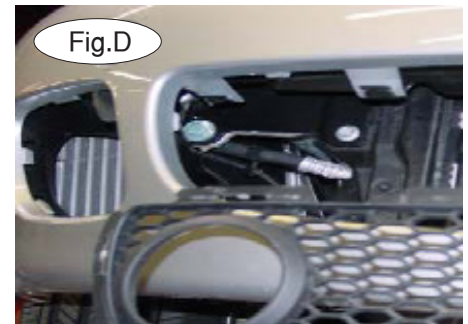
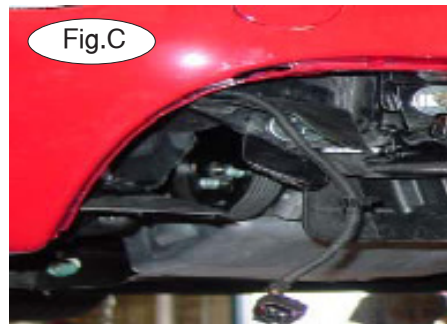
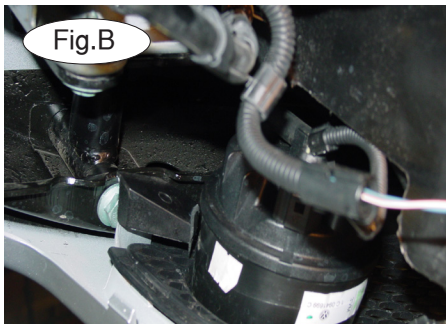
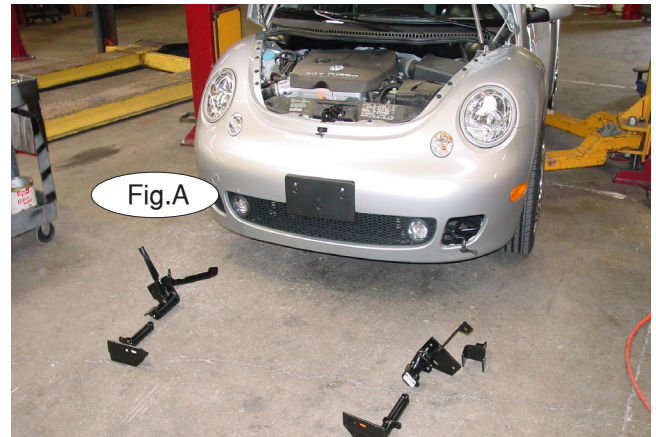
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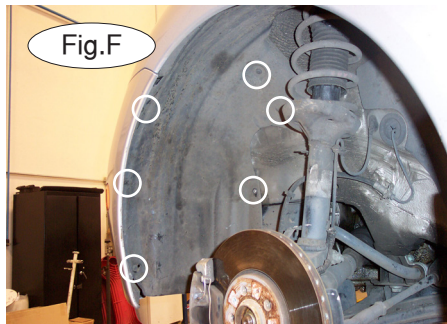
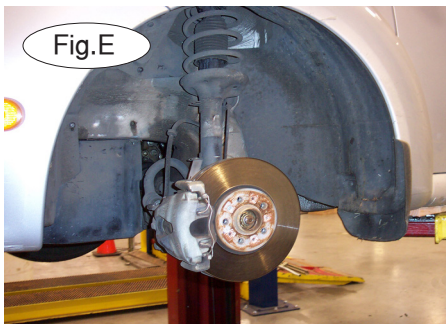
This is one of our EZ lock bracket series which allows the visible front portion of the brackets to be easily removed from the front of the car by rotating the front braces. The bracket kit consists of two rear receiver braces, two rear frame braces, two front bumper braces, two tubular main braces and a hardware pack. The rear receiver braces mount to the frame below the headlights and behind the bumper. The rear frame braces bolt to the rear receiver braces and then to the sides and bottoms of the frame on both sides. The tubular main braces are inserted through the front fascia into the rear braces and rotated 90 degrees to lock in place. Before starting the installation, lay out the kit components as illustrated (Fig. A). This will give you a visual idea of how the components work and also confirm that everything is present and accounted for.



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 locating and removing three plastic rivets securing the lower lip of the grill to the radiator cross frame. *Note:* the plastic rivets can be removed by using a small punch or screwdriver to push the plastic center pin out the back of the rivet. Then, remove the license plate holder.

2. Next, if fog lights are present, remove three screws holding the fog lights behind the bumper fascia.(Fig.B) *Note:* the screws can be either Phillips or Torx 25 and the top two will require pulling the plastic down and forward to access the top screws with a small bit. These screws must be removed. The lights can then be saved for reinstallation at a later date.

3. Now the lower grill can be removed by pulling forward while simultaneously inserting a blade or screw driver between the grill and bumper fascia, pushing into the snap and twisting until it releases. There are 16 snaps in the edge of the grill (Fig.C). *Note:* it is difficult but possible to install the braces by just unsnapping the corners of the grille and pulling forward. *Note:* on turbo/S models (Fig.D) push the three grilles in to unsnap them.



4. On each side, remove the wheel cover and wheel by removing five lugnuts (Fig.E).

5. On each side, remove seven T25 screws attaching the fender liner to the fascia (Fig.F).

6. Remove all of the lower splash shields. Now, on each side, pull down to remove the vertical side shield. *Note:* you may need to pop out the cinch clip to assist in this process (Fig.G).

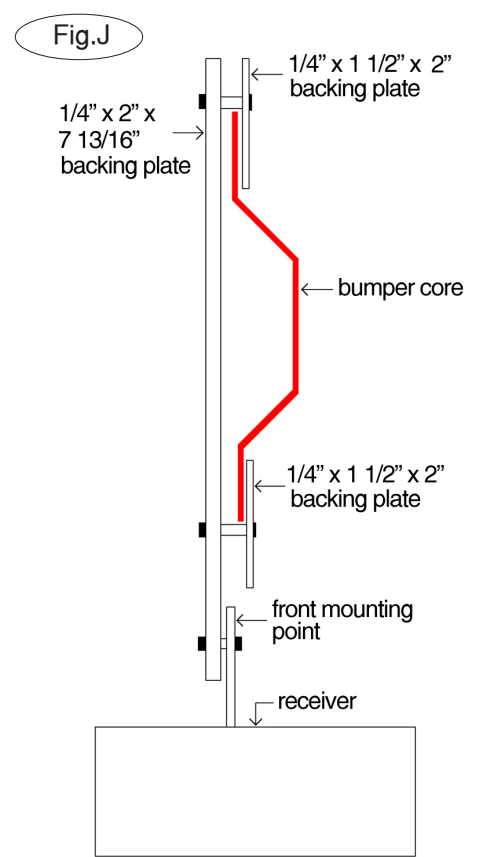
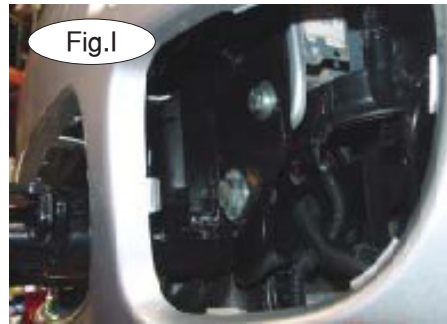
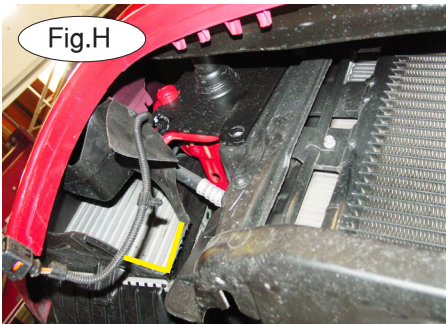


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7. **On Turbo models:** before the bracket can be installed, locate the intercooler in the passenger side fender wall. The inside edge of the air deflector will need to be removed, trimmed, and reinstalled to allow clearance for the passenger side main receiver brace. Use the yellow lines in Figure H as a guide for trimming.

8. Remove two 8mm bolts holding the bumper mounts in place. Also, remove the 8mm bolts holding the radiator support. *Note:* some models may have 6mm bolts.

9. Hold the receiver brace in place and bolt through with the supplied 8mm x 1.25 x 35mm bolts, lock washers and flat washers (Fig.I).

10. Repeat step 5 and 6 on the remaining side.

11. Install the bumper brace plates on the bumper using four 1/2" x 1 1/2" carriage bolts, 1/4" sq. hole backing plates, lock washers and nuts. Then, bolt through the receiver brace using 1/2" x 1 1/4" bolts and washers. *Note:* the 1 1/2" x 2" backing plates should be installed over the top and the bottom lip of the bumper (Fig.J). Do not tighten.



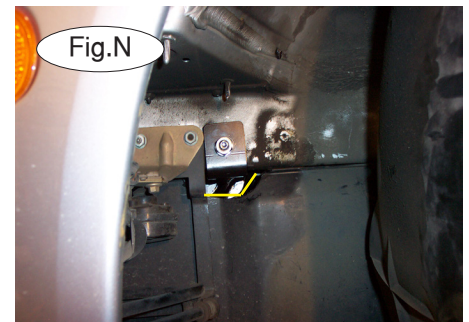
12. Starting with the passenger side, bolt the rear frame brace to the back of the rear receiver brace with a 1/2" x 1 1/2" bolt, flat washers, lock washer and nut. Tighten and align the rear frame brace against the bottom of the frame.

13. Using the pre-drilled holes in the receiver brace as a template (Fig.K), drill through the frame with a 1/2" drill bit. Then, bolt into place using a 1/2" x 4" bolt, lock washer and nut (Fig.L). *Note:* be sure to use a backing plate on the back of the frame when drilling to avoid engine damage.

14. Repeat steps 12 and 13 on the driver's side (Fig.M).

15. Trim the splash shield you removed in step 6, using the yellow trim lines in Figure N as a guide for trimming.

16. Check the brace alignment then torque all mounting bolts to the specifications below.



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.

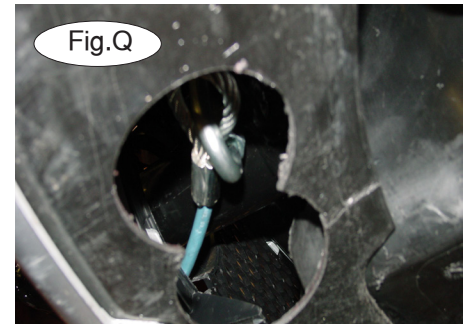
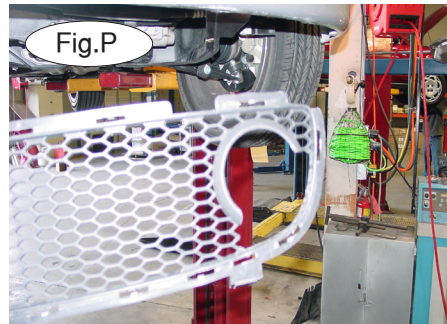


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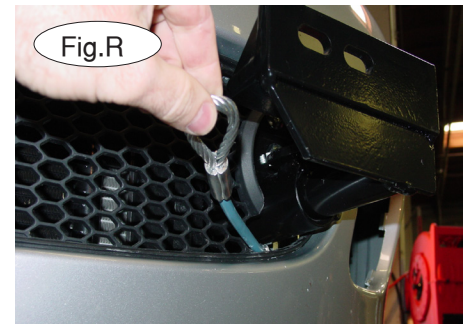


17. Reinstall grille and fascia by reversing steps 1 through 4. The standard grille will fit over the receiver braces without trimming (Fig.O). The turbo/s model grille will require trimming to fit (Fig.P).

18. In addition, access holes for the safety cable attachment will have to be cut in the lower front splash panel on each side (Fig.Q).

19. Insert the front tubular main braces in the rear receiver braces on each side and twist 90 degrees to lock in place. Install safety pins in safety tabs to lock into place (Fig.R). Mount the tow bar according to the manufacturer's instructions.

20. Attach the tow vehicle's safety cables to the front of the receiver with the included supplied cable connectors.



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.

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