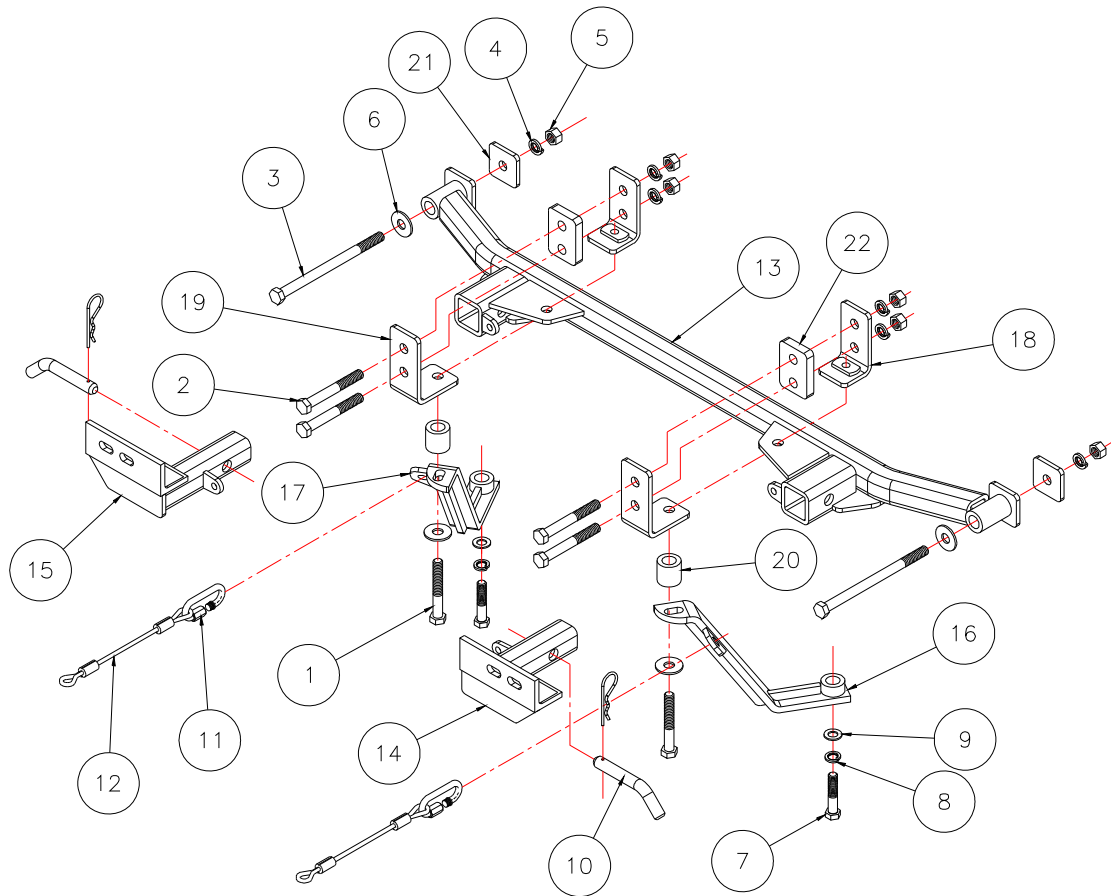




BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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



Item	Qty.	Length	Width	Description	Part#
1	2	3"	1/2"	BOLT	350101-00
2	4	4"	1/2"	BOLT	350105-00
3	2	7 1/2"	1/2"	BOLT	350112-00
4	8		1/2"	LOCK WASHER	350309-00
5	6		1/2"	NUT	350258-00
6	4		1/2"	FLAT WASHER	350308-00
7	2	60mm	12mm	12mm x 1.25 x 60mm BOLT	357007-00
8	2		12mm	12mm LOCK WASHER	355725-00
9	2		12mm	12mm FLAT WASHER	355720-00
10	2			DRAW PIN / SPRING PIN	357035-00
11	2			CONNECTOR	200008-00
12	2	8"		8" SAFETY CABLE	500646-08
13	1			MAIN BRACE WELDMENT	C-001845
14	1			DRIVER SIDE ARM WELDMENT	C-000504
15	1			PASSENGER SIDE ARM WELDMENT	C-000505
16	1			DRIVER SIDE LOWER BRACE WELDMENT	C-000506
17	1			PASSENGER SIDE LOWER BRACE WELDMENT	C-000507
18	2			THREADED MOUNTING PLATE	C-001335
19	2			1/4" x 2" x 6 7/8" PLATE	B-000899
20	2			1 1/4" O.D. x 1 1/4" x .250 WALL TUBE	A-000964
21	2			2" x 2" BACKING PLATE	A-001066
22	2			1/2" x 2" x 2 7/8" PLATE	A-002143



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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

This is one of our XL 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 main receiver brace, two lower braces, two front bumper braces, two rear bumper braces, two removable front braces and a hard-ware pack. The main receiver brace mounts to the bumper core and core support. The two lower braces mount to the core support. 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.



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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



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 10 plastic fasteners that hold the radiator cover in place. Then, remove the cover (Fig.C).
2. On both sides, remove two Phillips screws that attach the corner of the fascia to the fender (Fig.D).
3. Remove six plastic fasteners that hold the lower fascia to the core support (Fig.E).



4. On each side, remove two 10mm (head) bolts holding the lower fender liner to the fascia (Fig. F).
5. Now, slightly pry up on the lock tabs to release the upper inside corner of the fascia (Fig.G). The lock tabs are located between the grille and the headlight. Repeat for the other side.
6. Next, pull out and forward on the corners of the fascia to release the lock strips, and remove the fascia (Fig.H).

7. Remove the foam shock absorption pad.

8. Remove two 10mm bolts to remove the air box (Fig.I).

9. At the end of each frame rail below the bumper core, center drill through the existing hole and through the back side of the frame rail (Fig.J). *Note:* it is important that the holes are on center and drilled straight.





BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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



Fig.K



Fig.L



Fig.M

10. Place the supplied $\frac{1}{2}$ " x $7\frac{1}{2}$ " bolts, $\frac{1}{2}$ " lock washers and flat washers through the pipe spacers on the ends of the main receiver brace (Fig.K). Insert the bolts through the holes you drilled in step 9.

11. Bolt the main receiver brace into place using the $\frac{1}{4}$ " x 2" x 2" backing plates, $\frac{1}{2}$ " lock washers and nuts (Fig.L). Tighten to lift the main receiver brace into place.

12. Starting on one side, remove the 17mm bolt attaching the core support brace to the core support (Fig.M).



Fig.N

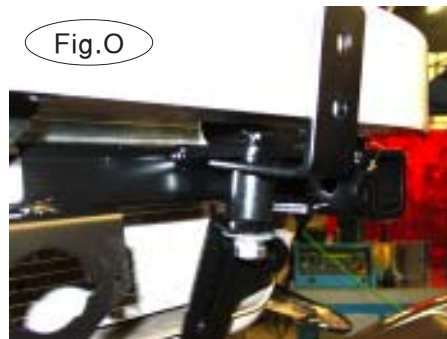


Fig.O

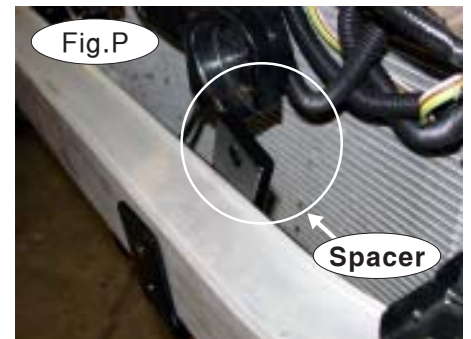


Fig.P

Spacer

13. Using the supplied 12mm x 1.25 x 16mm bolt, bolt one of the lower braces to the core support (Fig.N).

14. Using the supplied $1\frac{1}{4}$ " x $1\frac{1}{4}$ " x .250 pipe spacer, bolt through the top of the lower brace, pipe spacer, front bumper brace and main receiver brace using the supplied $\frac{1}{2}$ " x 3" bolt. Thread the bolt into the rear bumper brace. Note: the rear bumper brace goes above the main receiver brace; the front bumper brace goes below the main receiver brace (Fig.O).

15. Now, repeat steps 12 through 14 for the other side.

16. On both sides, before you tighten the upper and lower bolts, place the $\frac{1}{2}$ " x 2" x 2-13/16" spacers between the bumper core and the rear bumper braces (Fig.P). This will keep the main receiver brace aligned while tightening the bolts.

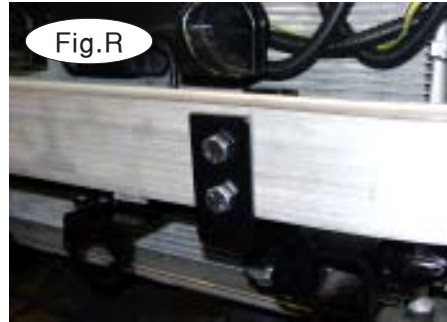
17. Now, tighten the upper and lower bolts to the torque specifications listed at the end of these instructions.



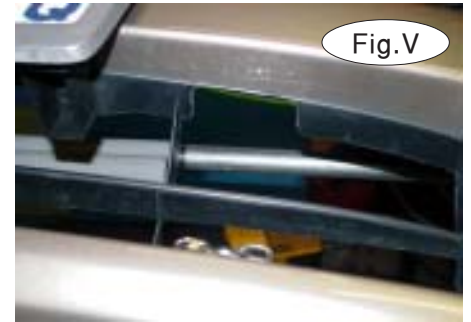
BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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



18. Working on one side at a time, temporarily remove the ½" spacer (step 16). Using the existing holes in the front bumper brace as a template, drill two holes through the bumper core (Fig.Q).
19. Replace the ½" spacer. Using the supplied ½" x 4" bolts, bolt through the front bumper brace, bumper core, spacer and the rear bumper brace. Finish with the lock washers and nuts (Fig.R).
20. Repeat steps 18 and 19 for the other side.
21. Replace the air box you removed in step 8.
22. Now, trim the foam shock absorption pad to allow access for the bumper core braces (Fig.S).



23. Trim the fascia in three spots on each side to allow for clearance of the lower braces and bumper core braces (Fig. T, U, V). The fascia can be held in place and marked, if needed, for proper trimming.
24. Reassemble the foam shock absorption pad, fascia and the radiator cover by reversing steps 1 through 7.



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1545-5
03/06/06
KB

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

- 25. Fit the front bracket arms into the front receiver braces, and secure them in place with the supplied 5/8" draw pins and spring pins.
- 26. Attach the 8" safety cables with the cable connectors (Q-Links) to the front of the receiver braces (Fig.W).
- 27. Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.
- 28. Install the tow bar to the mounting bracket according to the manufacturer's instructions.



Fig.W

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.