



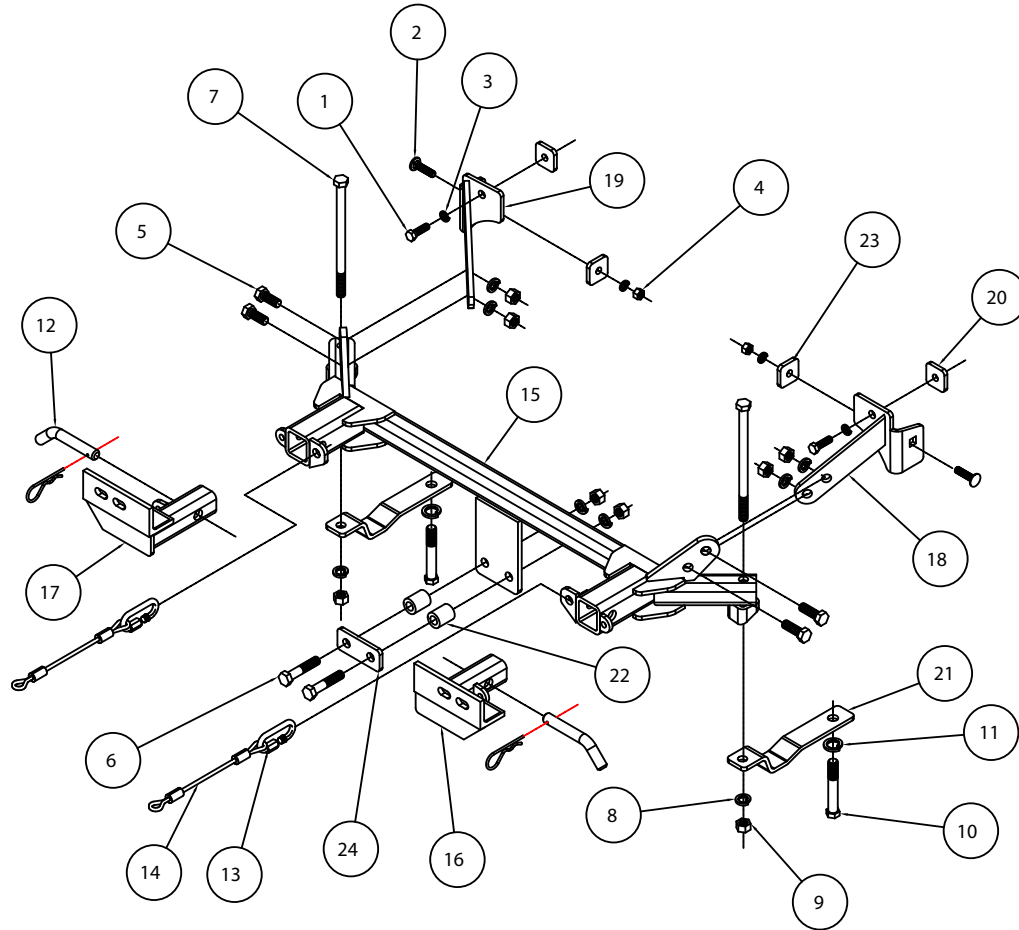
BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com

ROADMASTER, INC.



Item	Qty.	Length	Width	Description	Part#
1.....2.....	2	1 1/4"	3/8"	3/8" x 1 1/4" BOLT	350056-00
2.....2.....	2	1 1/2"	3/8"	3/8" x 1 1/2" CARRIAGE BOLT	350360-00
3.....4.....	4	3/8"	3/8"	LOCK WASHER	350305-00
4.....2.....	2	3/8"	3/8"	HEX NUT	350254-00
5.....4.....	4	1 1/2"	1/2"	1/2" x 1 1/2" BOLT	350095-00
6.....2.....	2	2 1/2"	1/2"	1/2" x 2 1/2" BOLT	350099-00
7.....2.....	2	8"	1/2"	1/2" x 8" BOLT	350113-00
8.....8.....	8	1/2"	1/2"	LOCK WASHER	350309-00
9.....8.....	8	1/2"	1/2"	HEX NUT	350258-00
10.....2.....	2	80mm	14mm	14mm x 1.5 x 80mm BOLT	357045-00
11.....2.....	2	14mm	14mm	LOCK WASHER	355740-00
12.....		5/8"		DRAW PINS, SPRING PINS	357035-00
13.....2.....	2			CABLE CONNECTOR	200008-00
14.....2.....	2	8"		SAFETY CABLE	500646-08
15.....1.....	1			MAIN RECEIVER BRACE WELDMENT	C-001318
16.....1.....	1			DRIVER SIDE ARM WELDMENT	C-001319
17.....1.....	1			PASSENGER SIDE ARM WELDMENT	C-001320
18.....1.....	1			DRIVER SIDE UPPER BRACE	C-001321
19.....1.....	1			PASSENGER SIDE UPPER BRACE	C-001322
20.....2.....	2			THREADED BACKING PLATE WITH 3/8" NUT	C-001323
21.....2.....	2			REAR BRACE	B-000892
22.....2.....	2	1"	1 1/4"	0.219 WALL, SPACER	A-000679
23.....2.....	2	1/4"	1 1/2"	1 1/2" PLATE	A-002116
24.....1.....	1	1/4"	1 1/2"	3 1/2" PLATE	A-002119



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 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, rear braces, center brace, upper braces, two removable front braces and a hardware pack. The main receiver brace mounts to the frame rails, subframe 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.



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# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 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 eight plastic fasteners that hold the top of the fascia to the core support (Fig.C).

2. Now, remove the grille by pulling up and forward (Fig.D).

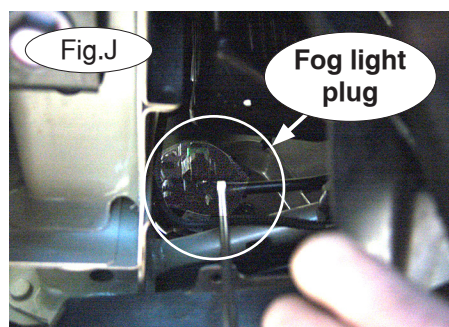
3. Remove two 10mm (head) bolts located behind the grille (Fig.E).



4. Remove one 10mm (head) screw attaching the corner of the fascia to the fender (Fig.F). Repeat for the other side.

5. On each side, remove the plastic fasteners that attach the fender liner to the fascia and the side of the frame rails (Fig.G).

6. Remove five more plastic fasteners that attach the splash shields to the lower edge of the fascia (Fig.H).



7. Remove two 10mm (head) screws in the lower front of the fascia that attach the lower fascia to the bumper core (Fig.I).

8. Pull back the fender liner and disconnect the fog lights, if the vehicle is so equipped (Fig.J).

9. Remove the fascia by pulling out and forward on each side (Fig. K).

10. Now, unplug the ambient air sensor.

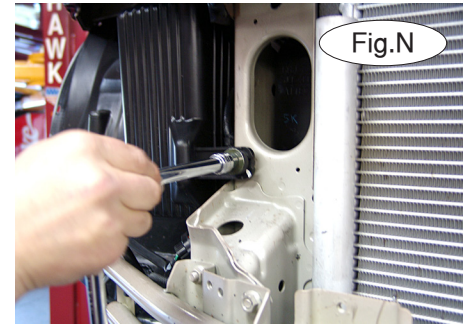
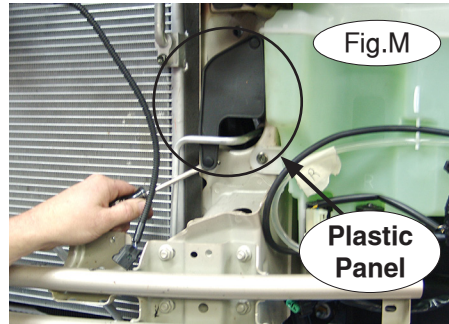
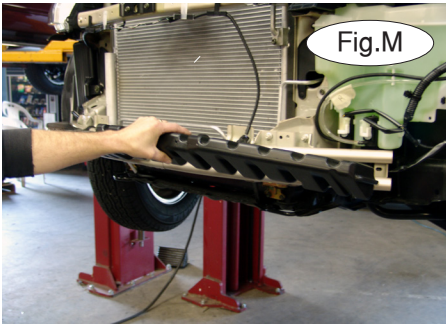


BASEPLATE KIT INSTALLATION INSTRUCTIONS

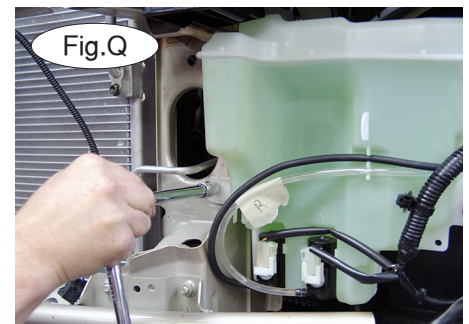
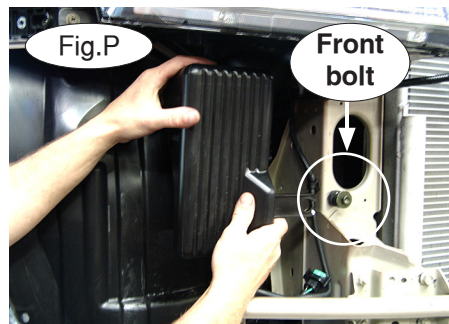
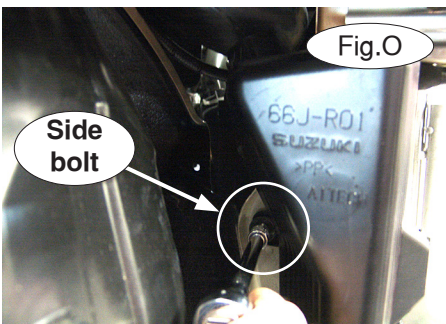
KIT# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com

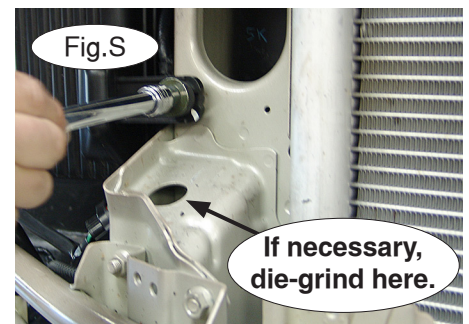
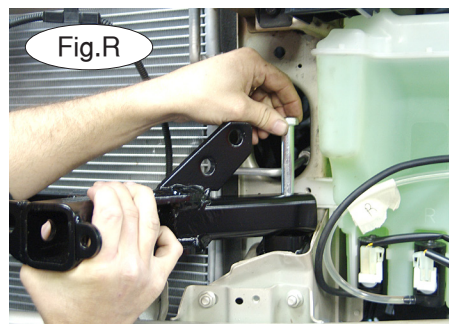


11. Lift up and pull forward to remove the two plastic shock absorption pads (Fig.L).
12. Remove the plastic panels that cover the ends of the frame rails (Fig.M). These will not be reinstalled.
13. On the passenger's side, remove the air expansion chamber: Start by loosening the front 10mm bolt (Fig.N). *Note:* do not remove this bolt. If it is removed, you will not be able to replace it once the bracket is in place. Now, remove the 10mm side bolt (Fig.O). Next, remove the air expansion chamber by pulling it to the side and slipping it off the loosened front bolt (Fig. P).
14. Now, remove two 10mm (head) bolts that attach the washer bottle to the frame rail (Fig.Q). This will allow access to the side of the frame rail. Do not remove the washer bottle – you will only be moving it slightly to the side.



15. Set the main receiver brace over the existing holes in the end of the frame rail. On both sides, slide the 1/2" x 8" bolt through the main receiver brace and the frame rail (Fig.R). Do not bolt yet.

Note: due to manufacturing variances, the 8" bolt may not line up with the lower hole. If this is the case, die-grind the upper hole towards the inside of the frame, as shown in Figure S.



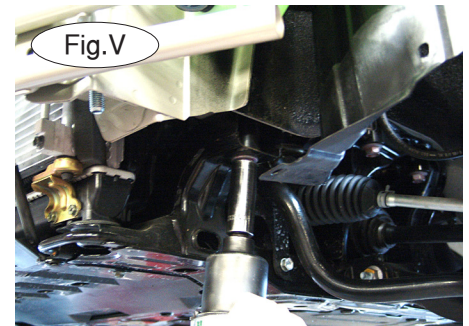
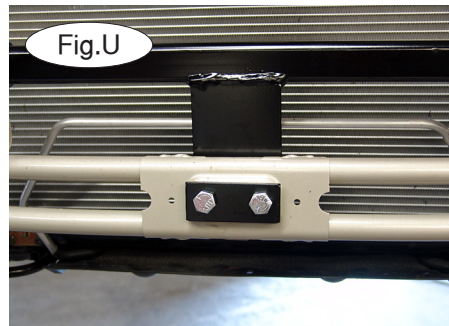
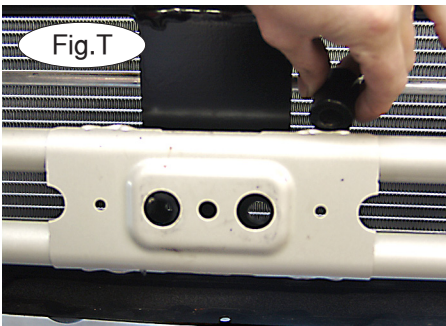


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1018-1

10/23/12
KS

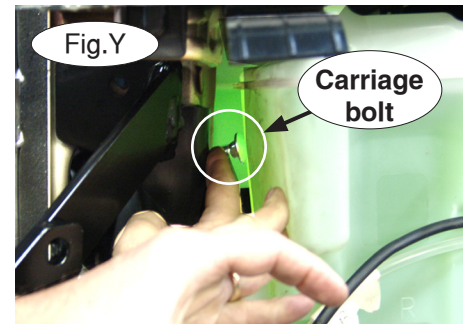
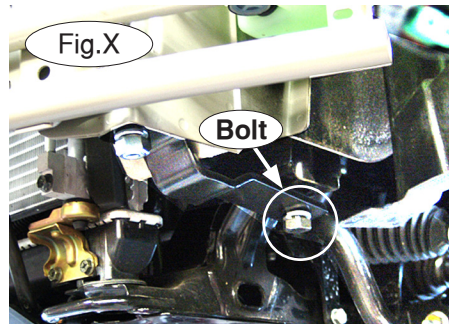
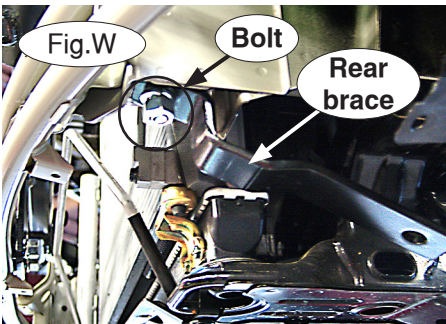
ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com



16. Next, insert two 1" x 1 1/4" pipe spacers in the center of the bumper core (Fig.T). The spacers should align with the existing holes in the bumper core and the main brace.

17. Using the supplied 1/4" x 1 1/2" x 3 1/2" backing plate (with two 9/16" holes) and two 1/2" x 2 1/2" bolts, bolt through the bumper core, spacers and the center brace. Finish with the lock washers and nuts (Fig.U).

18. On both sides, remove the 19mm front subframe bolts (Fig.V).

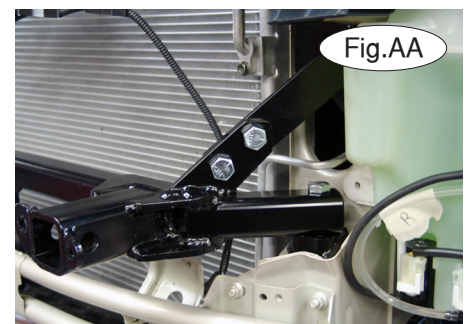
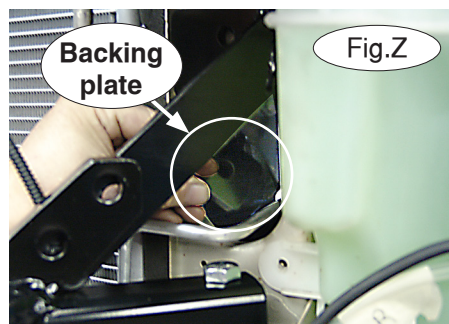


19. Slide the rear brace over the 1/2" x 8" bolt that was placed through the frame rail in step 16. Bolt into place using the 1/2" lock washer and nut. Repeat for the other side (Fig.W).

20. Using the supplied 14mm x 1.5 x 80mm bolt and lock washer, bolt through the rear brace into the subframe (Fig.X). Repeat for the other side.

21. Starting with the driver's side upper brace, hold the brace in place. Pull the washer bottle off to the side and insert the 3/8" x 1 1/2" carriage bolt through the upper brace and into the existing hole in the side of the frame rail (Fig.Y). Repeat for the other side.

22. Insert the supplied 1/4" x 1 1/2" x 1 1/2" backing plate through the opening in the front of the frame rail and over the carriage bolt (Fig.Z). Finish with the lock washer and nut. Repeat for the other side.



23. Now, bolt the upper brace to the main brace using the 2 supplied 1/2" x 1 1/2" bolts, lock washers and nuts (Fig.AA). Repeat for the other side.

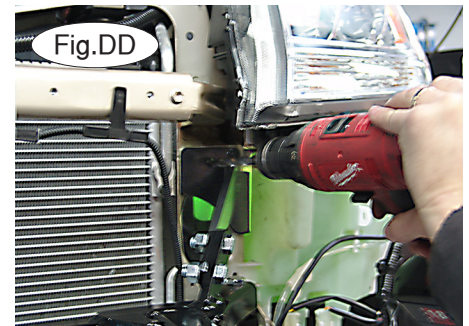
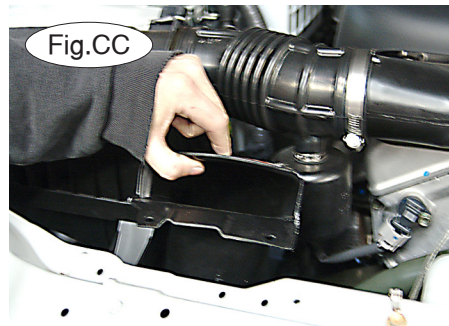
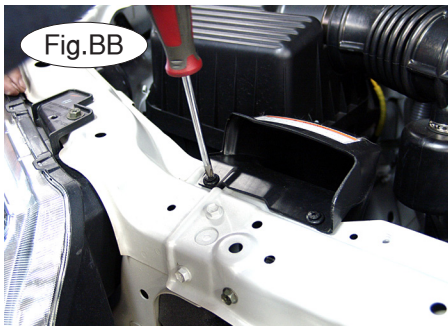


BASEPLATE KIT INSTALLATION INSTRUCTIONS

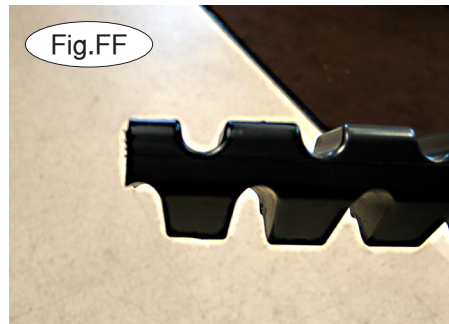
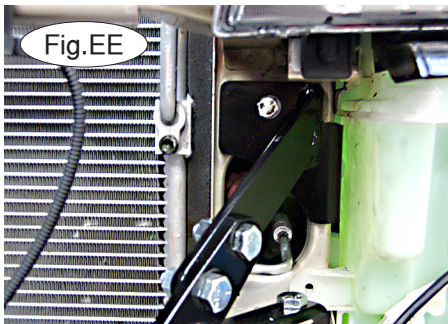
KIT# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com



24. Tighten all bolts to the torque specifications listed at the end of these instructions. Start with the $\frac{1}{2}$ " x 8" bolt going through the frame rail.
25. The inside upper brace bolts must be tightened from the inside of the engine compartment. On the passenger's side of the car, remove two plastic fasteners that hold the air intake duct in place (Fig.BB-CC). This will allow enough clearance to tighten the nut inside the engine compartment.
26. Using the hole in the bracket as a template, drill a $\frac{3}{8}$ " hole through the front of the frame rail (Fig.DD). Repeat for the other side.



27. Insert the $\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " nutted backing plate through the engine compartment. Place the backing plate against the rear frame rail. Bolt into place using a $\frac{3}{8}$ " x $1\frac{1}{4}$ " bolt and lock washer (Fig.EE). Repeat for the other side.
28. Next, trim off approximately 2" of the inside edge of each shock absorption pad (Fig.FF).
29. Hold the fascia in place over the main receiver brace. Trim the grille inserts to allow for clearance of the main receiver brace (Fig.GG).
30. Reverse steps 1 through 14 to reinstall the washer bottle, air expansion chamber, shock absorption pads and fascia.
31. Fit the front bracket arms into the front receiver braces, and secure them in place with the supplied $\frac{5}{8}$ " draw pins and spring pins.
32. Attach the 8" safety cables with the cable connectors (Q-Links) to the front of the receiver braces (Fig.HH).
33. Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.
34. Install the tow bar to the mounting bracket according to the manufacturer's instructions.





BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1018-1

10/23/12
KS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 fax 360-735-9300 www.roadmasterinc.com

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.