

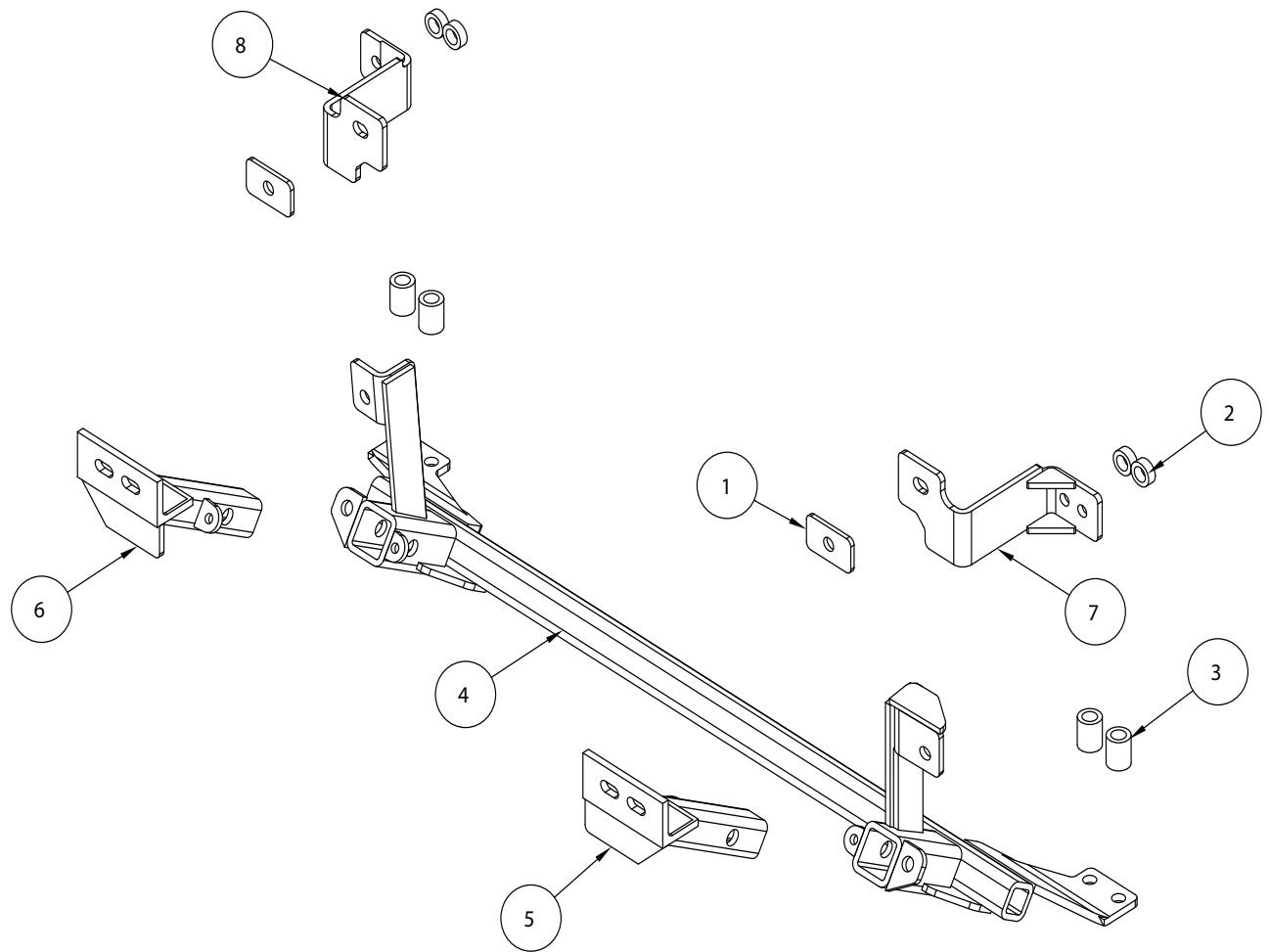


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 1182-1A

10/25/18
KS

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



ITEM	QTY	DESCRIPTION	MATERIAL
1.....	2	QUICK LINK	200008-00
2.....	2	1/2" x 2 1/2" BOLT	350099-00
3.....	2	1/2" HEX NUT.....	350258-00
4.....	2	1/2" LOCK WASHER.....	350309-00
5.....	4	M10 FLAT WASHER	355710-00
6.....	4	M10 LOCK WASHER	355715-00
7.....	4	M12 FLAT WASHER	355720-00
8.....	4	M12 LOCK WASHER.....	355725-00
9.....	4	M10 x 1.25 x 40 mm BOLT.....	356203-00
10.....	2	DRAW PIN/SPRING PIN.....	357035-00
11.....	4	M12 x 1.25 x 80mm BOLT.....	357111-00
12.....	2	8" SAFETY CABLE.....	350646-08
13.....	2	3/16" x 1 1/2" x 2 1/2" BACKING PLATE.....	A-000134
14.....	4	1" O.D. x 0.188" WALL x 3/8" TUBE SPACER	A-000187
15.....	4	1" O.D. x 0.188 WALL x 1 1/4" TUBE SPACER	A-001055
16.....	1	MAIN RECEIVER	C-001425
17.....	1	DRIVER SIDE ARM	C-001426
18.....	1	PASSENGER SIDE ARM.....	C-001427
18.....	1	DRIVER SIDE BRACE	C-003376
19.....	1	PASSENGER SIDE BRACE	C-003377



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This is one of our crossbar-style baseplates, which allows the visible front portion to be easily removed from the front of the vehicle (Fig.A and Fig.B). The kit consists of a main receiver brace, two removable front braces and a hardware pack.

The main receiver braces mount to the 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
- Use lock washers on all fasteners

WARNING

Failure to follow the below warnings and the installation instructions may result in voiding your warranty, property damage, the loss of your towed vehicle, 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.
- Use Loctite® Red on all bolts used for mounting this baseplate.
- 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.
- 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.
- Do not weld. This baseplate is designed to be bolted to the vehicle. Welding will void the warranty.
- Do not use this document for custom fabrication, as it may not show all parts or structural components 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.
- 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 this kit is securely fastened to the vehicle and fitted with the correct hardware to account for these changes.
- 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 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 adapters only. Using this kit with other brands, without an approved ROADMASTER adapter, may result in non-warranty damage or injury.
- Upon final installation, the installer must inspect the baseplate to ensure adequate clearance, particularly around hoses, air conditioner lines, radiators, etc.
- This baseplate is only warranted for the original installation. Installing a used baseplate on another vehicle is not recommended and will void the warranty.

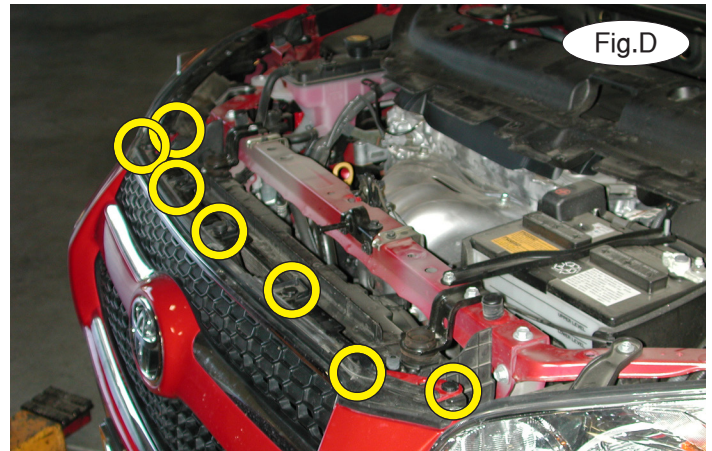


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1. **Important:** please use all supplied bolts and parts and read all instructions carefully before beginning this installation. The majority of questions you may have can be answered within the text, and proper installation will ensure safe and secure travel. Now, begin the installation by removing nine plastic fasteners attaching the radiator cover to the core support (Fig.C). (Push down to unlock the fasteners).

2. Next, remove three plastic fasteners and two screws attaching the grille to the core support and one plastic fastener at the corner of each headlight (Fig.D).



3. On both sides, remove one plastic fastener attaching the fender liner to the fascia. *Note:* it is located on the inside edge of the fascia. **For '09 and later models:** leave the fastener and remove the two Phillips screws (Fig.E).

4. Remove ten 10mm (head) bolts attaching the splash shield to the fascia: three are located on each side (Fig.F) and four are in the front (Fig.G).



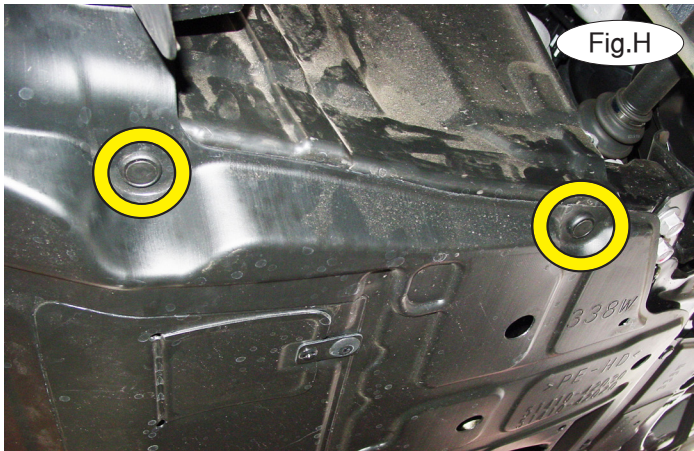


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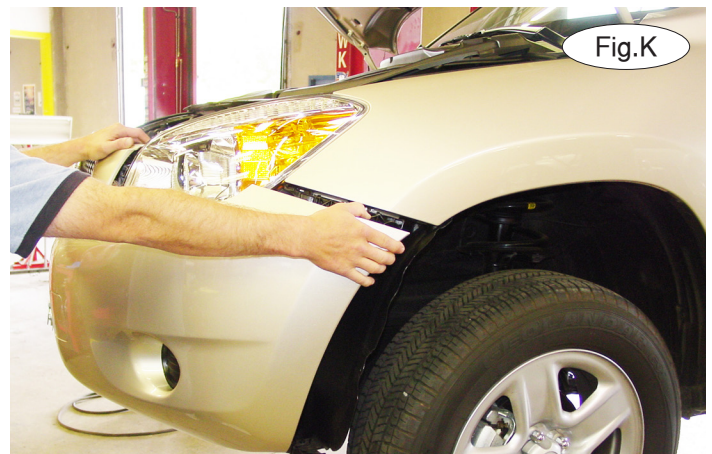
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5. Now, remove eight plastic fasteners attaching the splash shield to the sub frame: one is located on the passenger side; two are on the driver side (Fig.H); three are in front (Fig.I); and two are in back.

6. On both sides, pull back the fender liner and remove one 10mm (head) bolt attaching the fascia to the fender (Fig.J).



7. Disconnect the fog lights, if your vehicle is so equipped.

8. Remove the fascia by pulling out and forward on both corners (Fig.K).

9. Support the subframe of the vehicle (Fig.L).



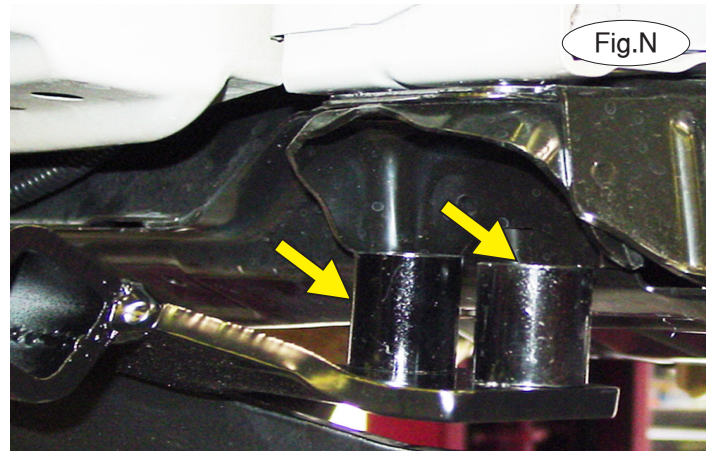
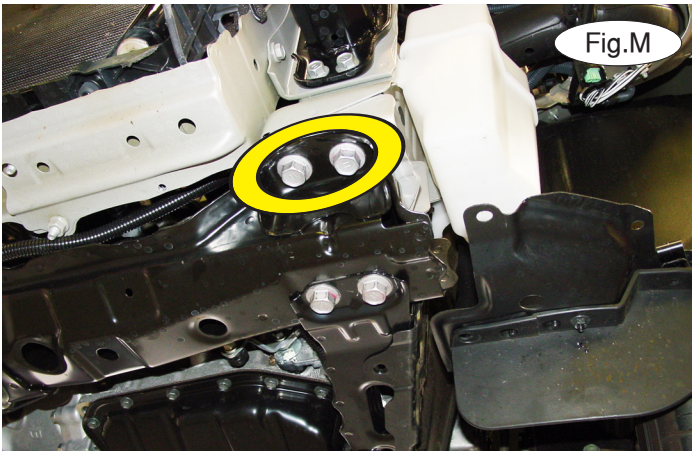


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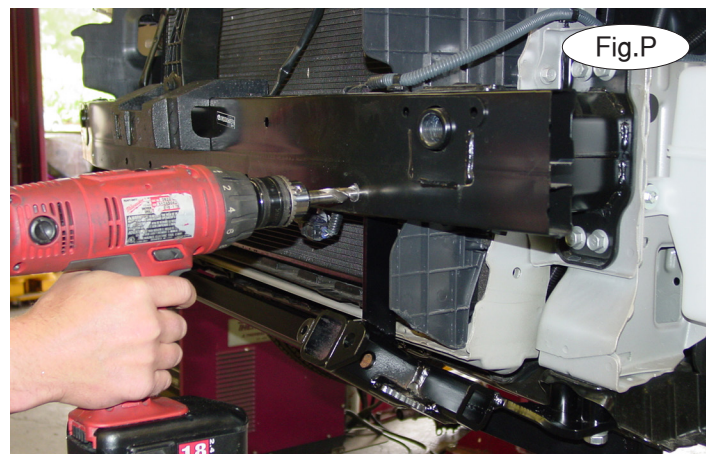
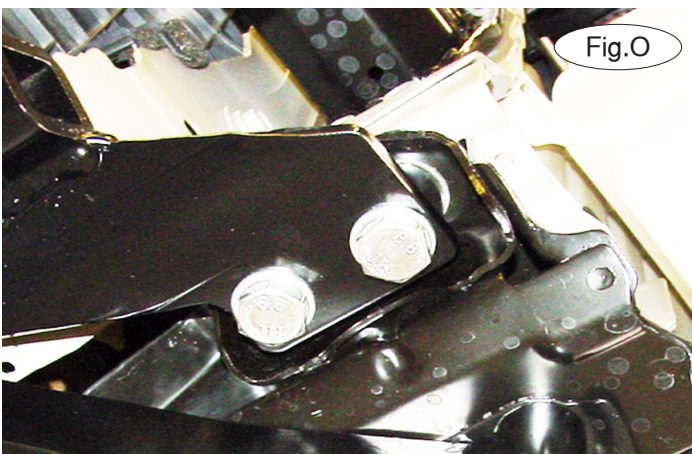
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10. On each side, remove two bolts attaching the subframe to the frame (Fig.M).

11. Now, bolt the main receiver brace to the subframe. Place two 1" x 1/4" x .219 wall pipe spacers (per side) between the main receiver brace and the subframe (Fig.N). Bolt the main receiver brace into place using the 12mm x 1.25 x 80mm bolts, flat washers and lock washers (Fig.O). Now, torque the bolts to the bolt torque specifications found at the end of these instructions.



12. On each side, use a 1/2" drill bit to enlarge the holes in the bumper core (Fig.P). The holes should align with the upper supports.

13. On each side, remove the two lower 14mm (head) bolts attaching the bumper core to the frame (Fig.Q – arrows). Then, trim the air dam on each side so that it is flush with the bottom of the bumper core (Fig.Q – line).





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Fig.R

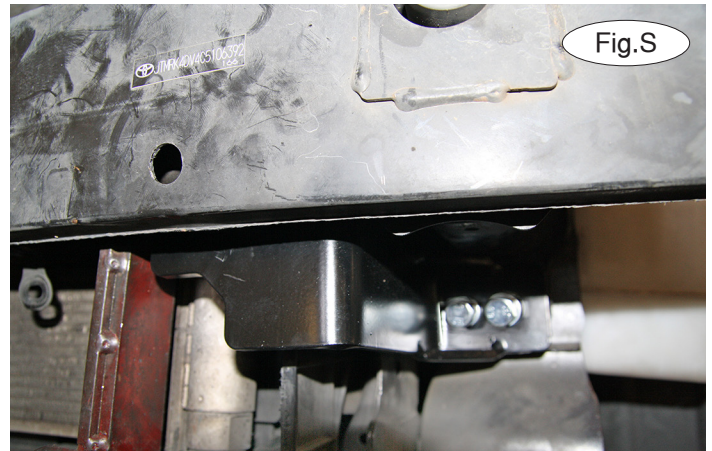


Fig.S

14. Locate the side-specific brace. Then, place an M10 lock washer and an M10 flat washer over each of the two M10 x 40mm bolts and bolt through the lower holes of the brace. Place an 1" O.D. x .188 wall x 3/8" pipe spacer over each bolt (Fig.R) and then align it with the existing holes and finger tighten the bolts (Fig.S).

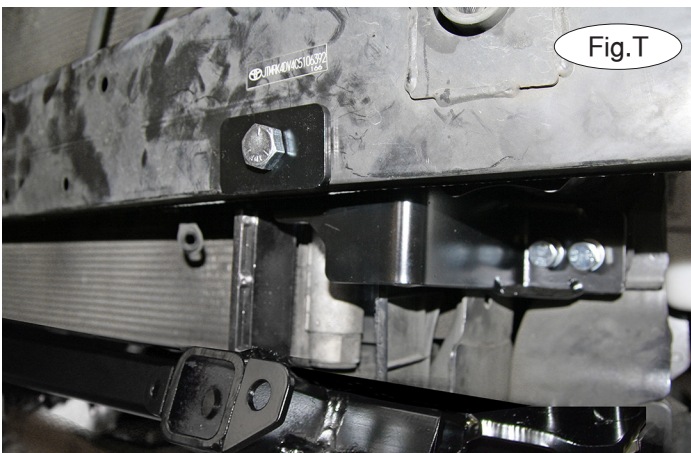


Fig.T



Fig.U

15. On both sides, bolt through the bumper core and into the upper mount of the rear support brace using the supplied 1/2" x 2 1/2" bolt, 1/4" x 1 1/2" x 2 1/2" backing plate (with a 9/16" hole) and finish with a lock washer and nut (Fig.T).

16. Place the fascia over the front end of the vehicle. On both sides, measure down approximately 4 3/4" and mark for trimming (Fig.U). Using the circular trim in Figure V as a guide, trim to allow clearance for the main receiver brace.

17. Now, reinstall the fascia, reversing steps 1 through 8 and tighten the bolts to the bolt torque specifications found at the end of these instructions.



Fig.V

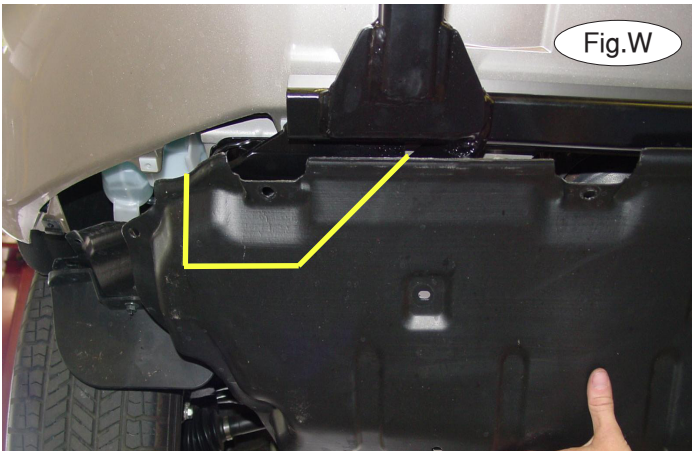


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18. Trim the splash shield and both sides of the fascia, using the yellow lines in Figure W as a guide for trimming.
19. Fit the front bracket arms into the front receiver braces, and secure them in place with the supplied 5/8" draw pins and spring pins.
20. Attach the 8" safety cables with the cable connectors (Q-Links) to the front of the receiver braces (Fig.X).
21. Attach the ends of the safety cables to the tow vehicle's safety cables and tow bar.
22. Install the tow bar to the mounting bracket according to the manufacturer's instructions.

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.