



BASEPLATE KIT INSTALLATION INSTRUCTIONS

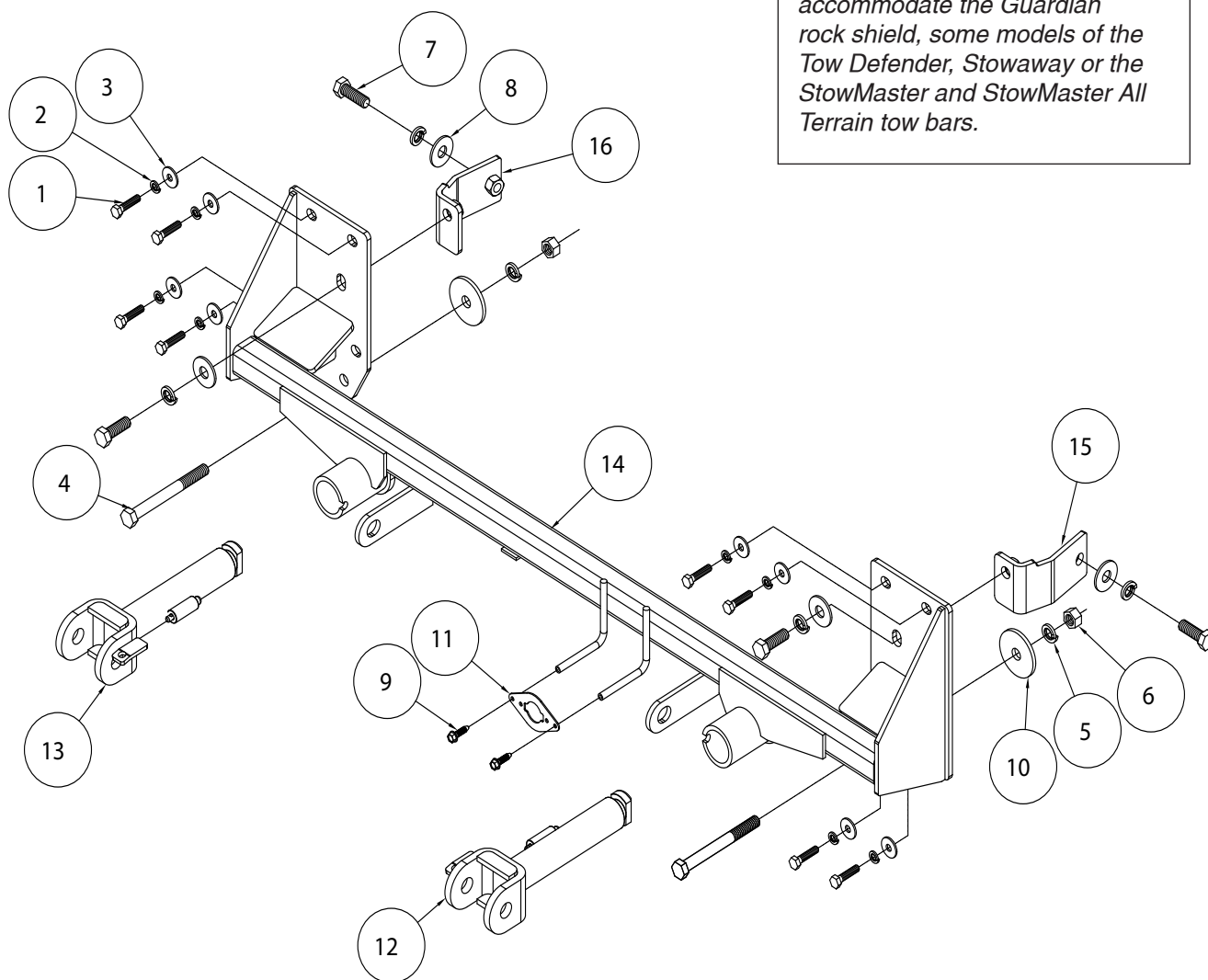
KIT# 52923-5

 11/2/16
KS

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

Important

Note: This baseplate 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	NAME	PART #
1.....	8.....	8mm x 1.25 x 35mm BOLT.....	356002-00
2.....	8.....	8mm LOCK WASHER.....	355705-00
3.....	8.....	5/16" FLAT WASHER.....	350303-20
4.....	2.....	1/2" x 5" BOLT.....	350107-00
5.....	6.....	1/2" LOCK WASHER.....	350309-00
6.....	2.....	1/2" HEX NUT.....	350258-00
7.....	4.....	1/2" x 1 1/2" BOLT.....	350095-00
8.....	4.....	1/2" FLAT WASHER.....	350308-20
9.....	2.....	#10 x 3/4" SELF TAPPING SCREW.....	350247-35
10.....	2.....	1/2" PLATE WASHER.....	A003086
11.....	1.....	WIRE PLUG PLATE.....	A003801
12.....	1.....	DRIVER SIDE ARM.....	C002383
13.....	1.....	PASSENGER SIDE ARM.....	C002384
14.....	1.....	MAIN RECEIVER.....	C002604
15.....	1.....	DRIVER SIDE BRACE.....	C003091
16.....	1.....	PASSENGER SIDE BRACE.....	C003092



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52923-5

11/2/16
KS

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

This bracket kit is one of our EZ5 Twistlock series, which allows the visible front portion of the brackets to be easily removed (Fig.A and Fig.B). The kit consists of the main receiver brace, two support braces, removable front braces and a hardware pack.

The main receiver brace mounts to the frame rail and support brace on each side. The removable front arms insert into the receivers on each side and are secured with draw pins.

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.

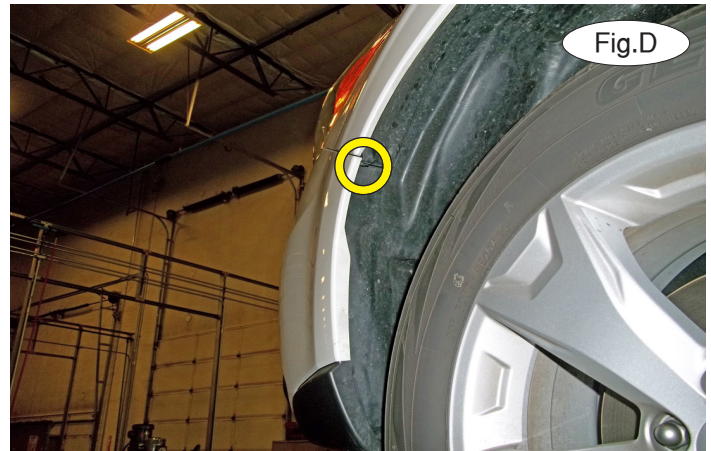
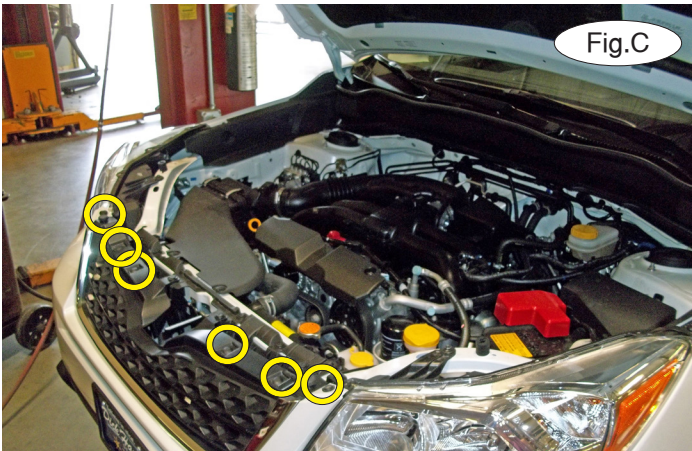


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52923-5

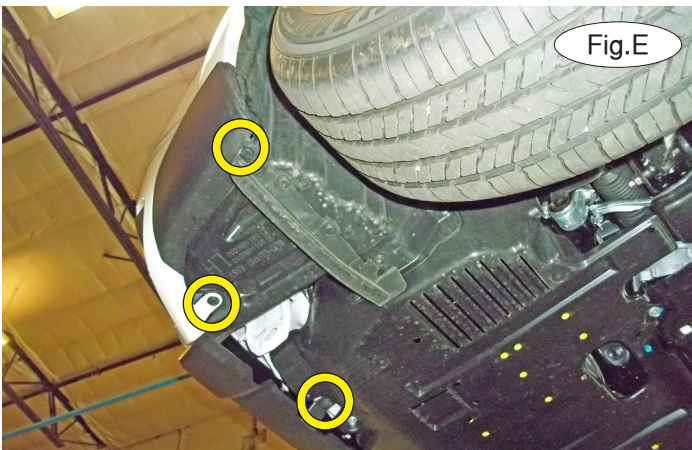
11/2/16
KS

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 six plastic fasteners attaching the fascia to the core support (Fig.C).

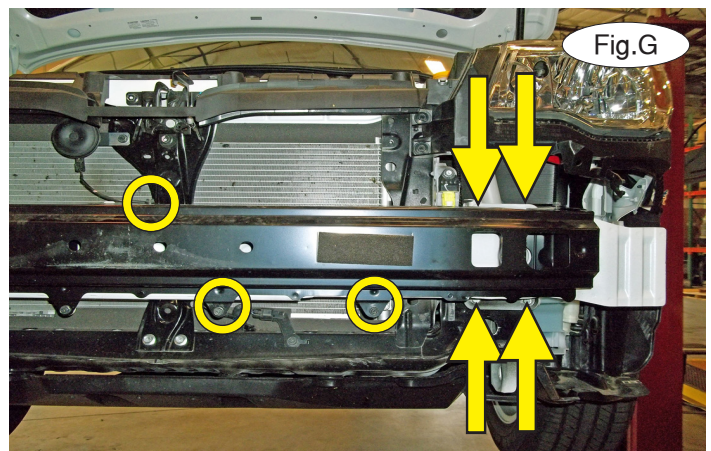
2. On each side, remove the fastener attaching the corner of the fascia to the fender liner (Fig.D).



3. On each side, remove three plastic fasteners attaching the fascia to the splash shielding (Fig.E – driver's side).

4. Pull out to release the fascia from the locking strip on each side (Fig.F). Disconnect the fog lights, if the vehicle is so equipped.

5. Remove seven 10mm (head) bolts attaching the secondary bumper to the bumper core and on each side, remove four 12mm (head) bolts attaching the bumper core to the frame rail (Fig.G – driver's side). The secondary bumper and bumper core will not be replaced. *Note:* retain the secondary bumper and bumper core and all attachment hardware so that they can be replaced if the bracket is ever removed.



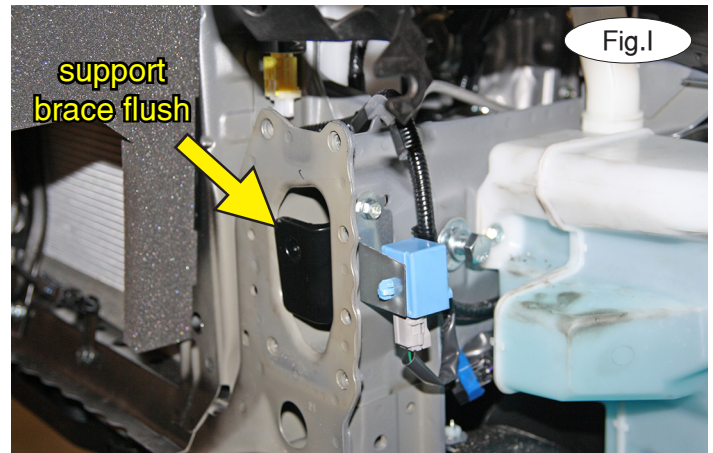
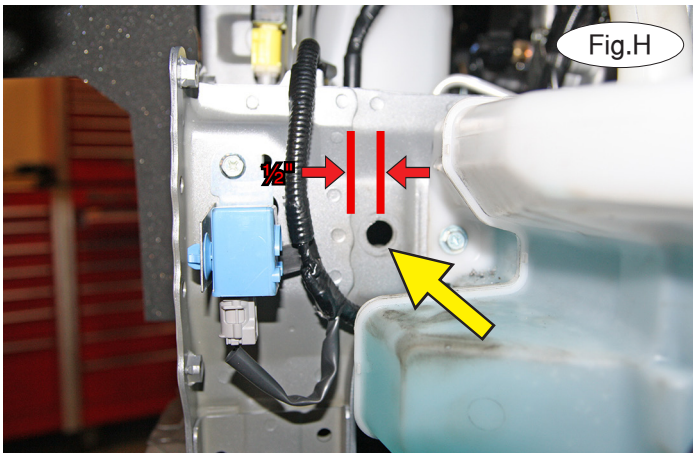


BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52923-5

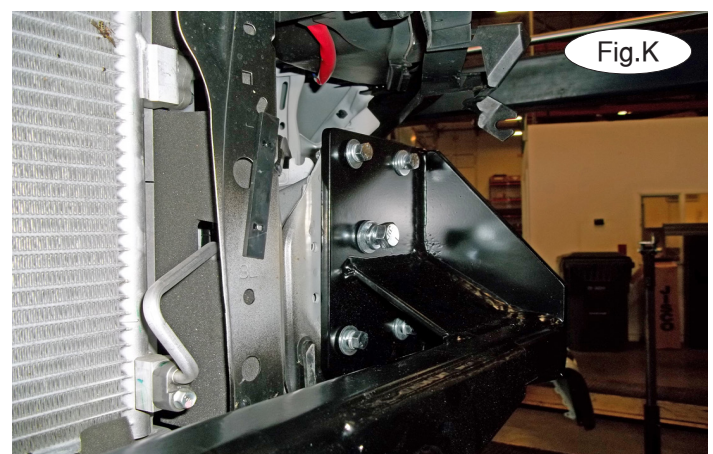
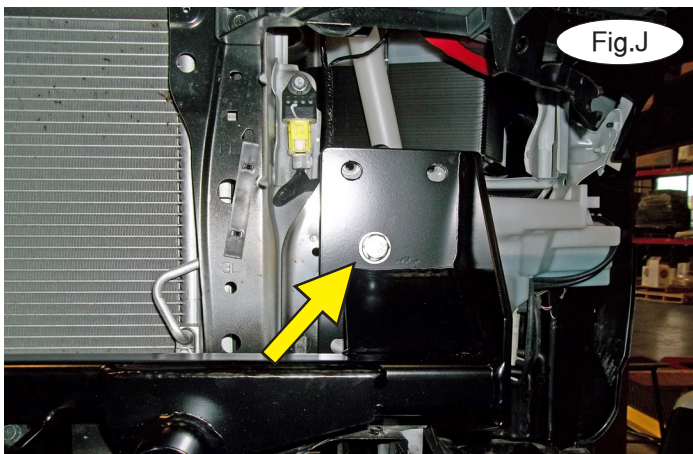
11/2/16
KS

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



6. On each side, half an inch from the lip where the sheet metal overlaps on the side of the frame, mark a spot on center between the two horizontal bend lines on the frame rail (Fig.H – red lines) and then drill a $\frac{1}{2}$ " hole through the side of the frame rail (Fig.H – yellow arrow).

7. Refer to the front page of these instructions to ensure that the correct side-specific rear support brace is being used. Then, on each side, place the rear support brace to the inside of the frame rail and using the supplied $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolt, and $\frac{1}{2}$ " lock washer and flat washer, bolt through the frame rail and into the rear support brace (Fig.I). *Note:* ensure the face of the support brace is flush with the face of the bumper mount. *Note:* ensure proper alignment, as the bolts will receive Loctite® Red and will be torqued at the end of these instructions.



8. Place the main receiver over the frame rails and bolt into the support brace through the front mounting point on each side using the supplied $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolt, $\frac{1}{2}$ " flat washer and $\frac{1}{2}$ " lock washer (Fig.K).

9. On each side, bolt the main receiver to the ends of the frame rails using the four supplied 8mm x 1.25 x 35mm bolts, 8mm lock washers and $\frac{5}{16}$ " flat washers (Fig.K).



BASEPLATE KIT INSTALLATION INSTRUCTIONS

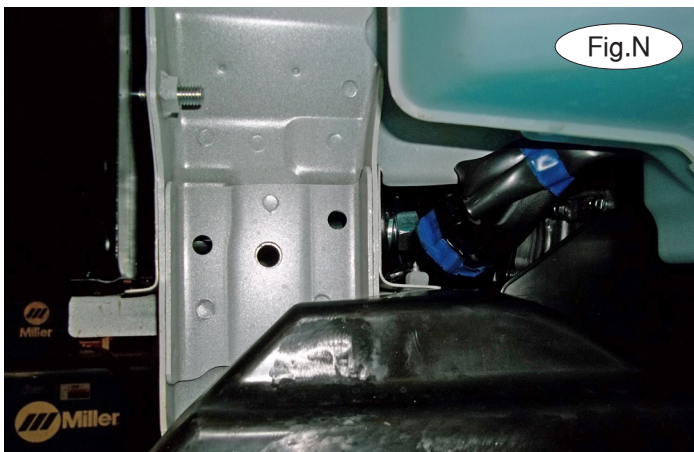
KIT# 52923-5

11/2/16
KS

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



10. On the driver's side only, disconnect the wiring loom on the backside of the frame rail. Now, using the pre-existing hole in the main receiver and front of the frame as a template, enlarge the pre-existing hole in the rear of the frame using a 1/2" drill bit (Fig.L). *Note:* use a piece of metal as a buffer between the drill bit and the engine components (Fig.M).



11. On each side, bolt through the front of the frame rail and out the back using the supplied 1/2" x 5" bolt. Finish with a 1/2" plate washer, lock washer and nut (Fig.N).

12. **For '17 models only:** trim the back of the fascia using the yellow lines in Figure O as a guide for trimming.

13. Tighten all bolts to the bolt torque requirements found at the end of these instructions. *Note:* use Loctite® Red on all nuts and bolts.

14. Reinstall the fascia, reversing steps 1 through 4.



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52923-5

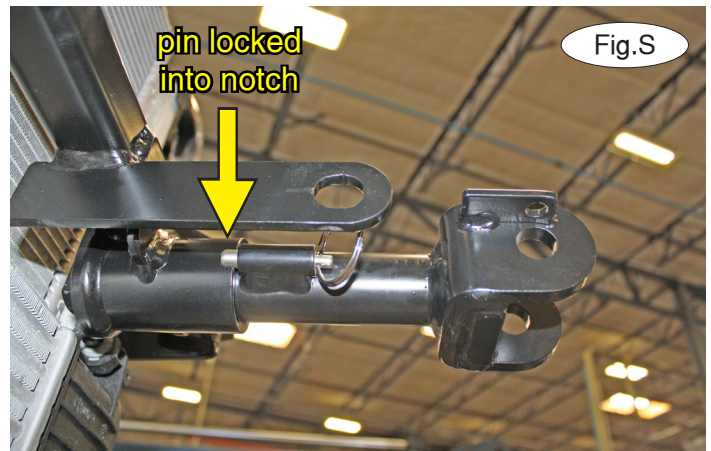
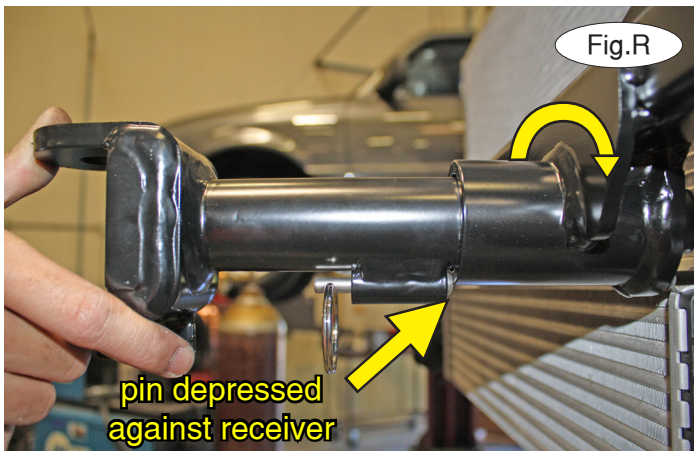
11/2/16
KS

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



15. **Note: the following four images are for illustration purposes only, as your specific application may be slightly different.**

The spring-loaded pin on the removable arm snaps into a notch on the receiver, locking the removable arm into its final towing position. Before inserting each arm into the receiver, verify that the spring is working by ensuring that the spring-loaded pin moves easily back and forth within the barrel when pulled and that it can be pulled flush with the face of the barrel (Fig.P and Fig.Q).



16. On each side, insert the removable front bracket arm into the front receiver 90 degrees from its final towing position, depressing the spring-loaded pin against the receiver (Fig.R). Now, twist back 90 degrees until the spring-loaded pin snaps into place in the notch on the receiver, locking the arm into place in its final towing position (Fig.S).

Please note: it is the owner's responsibility to ensure the locking of the pins before towing. Otherwise, failure of the towing system will result.

17. Install the tow bar to the mounting bracket according to the manufacturer's instructions.



BASEPLATE KIT INSTALLATION INSTRUCTIONS

KIT# 52923-5

11/2/16
KS

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

IMPORTANT!

Safety cables are required by law. When towing, connect safety cables to the safety cable tabs illustrated in Figure T. Make certain there is adequate slack in the cables to allow a full turning radius; otherwise, damage will result. If necessary, longer cables or cable extensions are available.

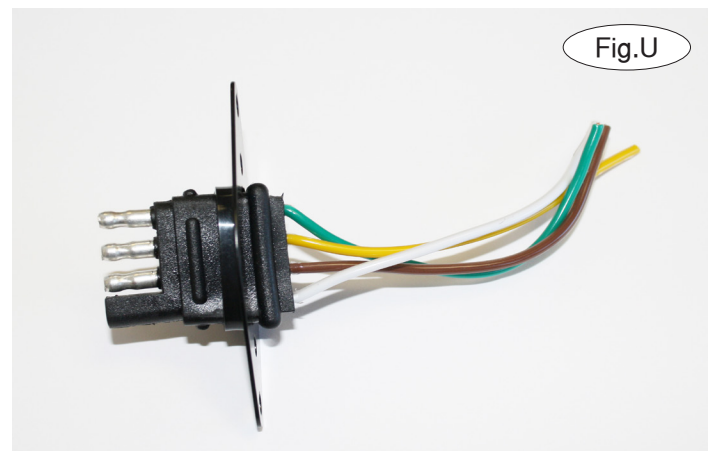


Three options for attaching the wiring plug to the main receiver brace

For six-wire plugs: use the two supplied $\frac{3}{4}$ " self-tapping screws to attach the electrical plug directly to the rods on the front of the main receiver brace.

For four-wire round plugs: attach to the plug mounting plate and then use the two supplied $\frac{3}{4}$ " self-tapping screws to attach the mounting plate to the rods on the front of the main receiver brace.

For four-wire flat plugs: place the plug through the mounting plug plate, and then secure it using the supplied zip tie on the front of the plug (Fig.U). Use the two supplied $\frac{3}{4}$ " self-tapping screws to attach the mounting plate to the rods on the front of the main receiver brace.



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.