



**Assembly, Installation, Operation and
Maintenance Instructions
Running Board**

**Part Number:
RBV05B**

60 - 180 minutes

Dealer / Installer: Provide a copy of these instructions to the end user of this product. These instructions provide important operating and safety information for proper usage of this product. Demonstrate the proper use of the product with the end user. Have the end user demonstrate that they understand the proper use of the product.

End User: Read and follow all instructions included in this manual. Ask your Dealer / Installer for assistance if you do not understand the proper use of the product. Never remove any decals from the product. Failure to follow these instructions can result in injury or death.

⚠ WARNING ⚠

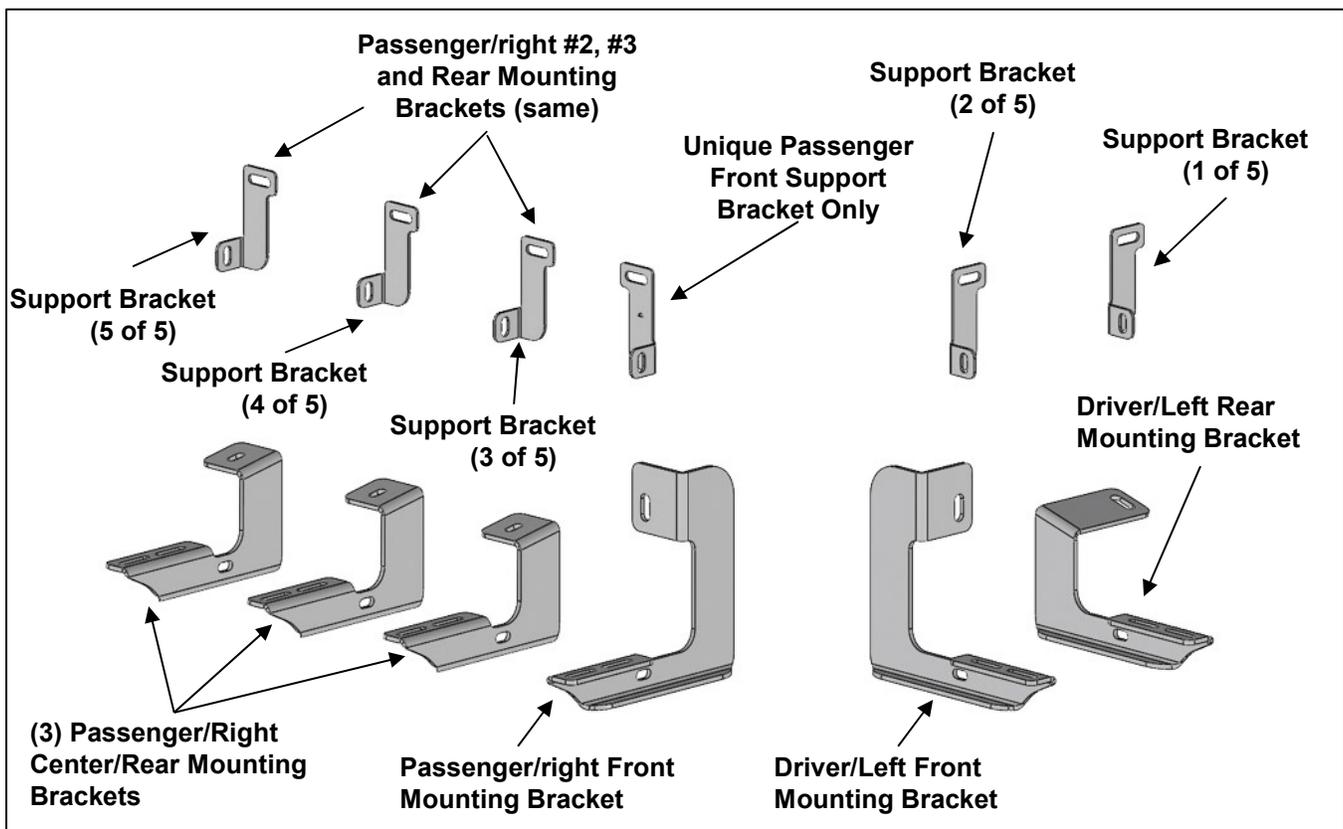
APPLICATION: 2014-Current Dodge Ram Promaster Van 136"/159" wheel base (full size)

PARTS LIST

Qty	Part Description	Qty	Part Description
1	Driver/left Side Running Board	12	8mm x 1.25mm x 25mm Hex Bolts
1	Passenger/right Side Running Board	6	8mm x 28mm OD x 3mm Flat Washers
1	Driver/Left Side Front Bracket	24	8mm x 16mm OD x 1.6mm Flat Washers
1	Driver/Left Side Rear Bracket	6	8mm Lock Washers
1	Driver/Left Side Front Support Bracket	6	8mm Hex Nuts
1	Passenger/Right Side Front Bracket	12	8mm Nylon Lock Nuts
3	Passenger/Right Side Center/Rear Brackets	6	6mm Double Bolt Plates
5	Passenger/Right Side Support Brackets (1-driv rear)	12	6mm x 22mm OD x 2mm Flat Washers
6	8mm x 1.25mm x 35mm Bolt Plates	12	6mm Lock Washers
6	8mm Plastic Retainers	12	6mm Hex Nuts

TORQUE SPECIFICATION

Size	Torque	Size	Torque
6 MM	8.5 ft/lbs	8 mm	20 ft/lbs



INSTALLATION PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. DRILLING IS REQUIRED. ASSISTANCE IS RECOMMENDED.

1. Start the installation under the driver side of the vehicle. Locate the factory hole in the side of the inner body panel, (Figures 1 & 3). **IMPORTANT:** Hole may be covered with rubber plug, sealing tape and/or heavy undercoating. Remove excess undercoating from all mounting locations so that Brackets will install flat against body panel and pinch weld.
2. Select (1) 8mm Bolt Plate and (1) 8mm Plastic Retainer, (Figure 2). Thread the Retainer part way onto the Bolt Plate. Insert the Bolt Plate into the hole and tighten the Retainer against the body panel, (Figure 3). **IMPORTANT:** The Plastic Retainer is designed to prevent the Bolt Plate from falling into the body panel and to aid in Bracket installation.
3. Select the driver/left front Mounting Bracket. Attach the Bracket to the Bolt Plate with (1) 8mm x 28mm Large Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut, (Figure 4). Leave hardware loose at this time.
4. Select the Driver/Left Support Bracket, (Figure 5). Attach the Support Bracket to the front of the Mounting Bracket with (1) 8mm x 25mm Hex Bolt, (2) 8mm x 16mm Small Flat Washers and (1) 8mm Nylon Lock Nut, (Figure 6). Line up the top of the Support Bracket with the outside of the pinch weld. Leave hardware loose at this time.
5. Move to the driver side rear mounting location. Locate the factory hole in the bottom of the floor panel, (Figure 7). Repeat Steps 1—3 to attach the driver/left rear Bracket to the 8mm Bolt Plate, (Figure 8).
6. Select (1) of the (5) identical Support Brackets, (Figure 9). Attach the Support Bracket to the back of the rear Mounting Bracket with (1) 8mm x 25mm Hex Bolt, (2) 8mm x 16mm Small Flat Washers and (1) 8mm Nylon Lock Nut, (Figure 10). Line up the top of the Support Bracket with the outside of the pinch weld. Leave hardware loose at this time.
7. Carefully unwrap the Running Boards. Place the short driver side Running Board on top of the (2) Brackets. Select (2) 6mm Double Bolt Plates, (Figure 11). Locate the channels in the bottom of the Running Board, (Figure 12). Insert the Bolt Plates into the channels closest to the Brackets. Lift the Running Board up and guide the studs down through the Brackets.
8. Attach the Running Board to the Brackets with (4) 6mm Flat Washers, (4) 6mm Lock Washers and (4) 6mm Hex Nuts, (Figure 13). **NOTE:** The Running Board is designed to fit close to the vehicle. It may be necessary to loosen the Bracket hardware and tilt the Brackets downward to insert the Running Board between the Brackets and the body. Do not tighten hardware at this time.
9. Level and adjust the Running Board and tighten the Bracket to Bolt Plate hardware only. Remove the Running Board. Adjust the Support Brackets as necessary to move the top of the Brackets up to touch the bend in the pinch weld. Mark the location of the (2) slots in the Support Brackets onto the outside of the pinch weld, (Figure 14).

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10. Use a 5/16" drill bit to drill (2) holes through the pinch weld for the front and rear Support Brackets. NOTE: Drill the holes as far away from the bottom edge of the pinch weld as possible. IMPORTANT: Do not drill through the welds in the pinch weld if possible.

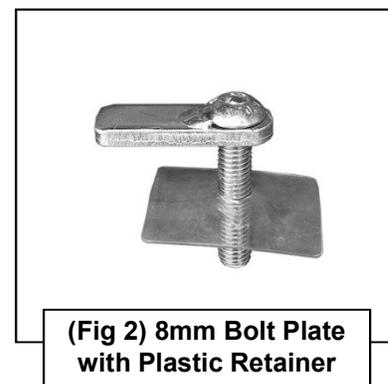
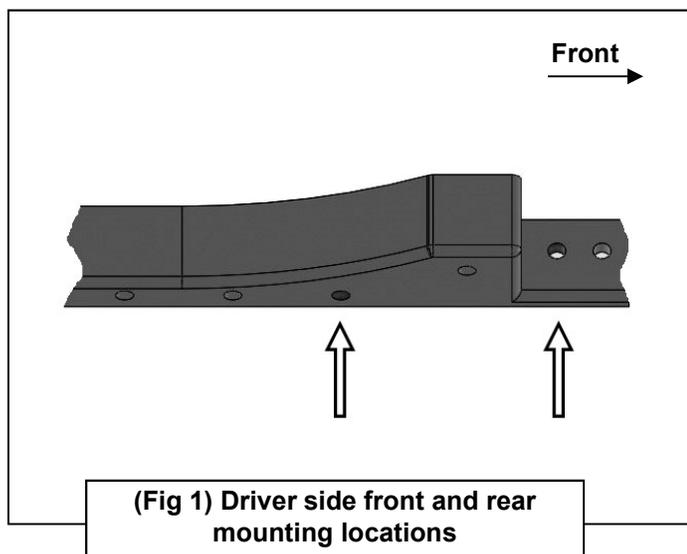
IMPORTANT! Any cutting or drilling tool may break or shatter. Government regulations require safety glasses & equipment at all times when cutting or drilling.

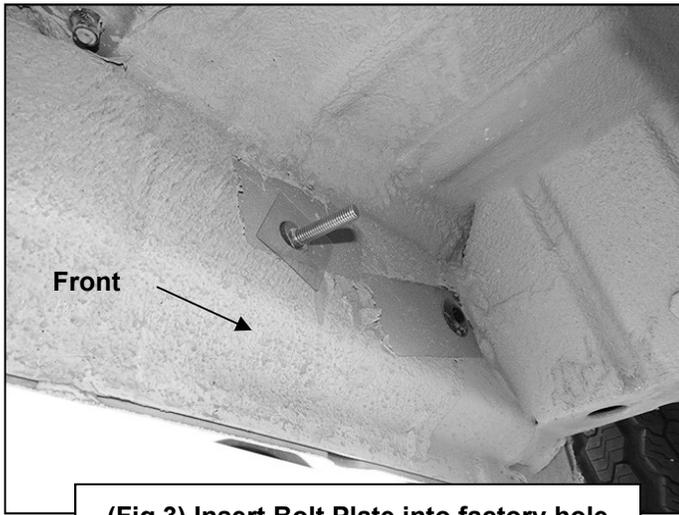
10. Attach the top of the Support Brackets to the outside of the pinch weld with (2) 8mm x 25mm Hex Bolts, (4) 8mm x 16mm Small Flat Washers and (2) 8mm Nylon Lock Nuts, (Figure 15). Reinstall the Running Board. Level, adjust and tighten all hardware.
11. Move to the passenger side of the vehicle, (Figure 16). Repeat Steps 1—3 to attach the passenger side front Bracket, (Figures 17 & 18). Repeat Step 6 to attach (1) of the (5) identical Support Brackets.
12. Continue to the #2 mounting location, (Figure 19). Repeat Steps 5 & 6 to attach the #2 Mounting Bracket, (Figure 20). Repeat to install the #3 and #4 (rear) Brackets, (Figures 21—23).
13. Select the long passenger side running board. Select (4) 6mm Double Bolt Plates, (Figure 11). Locate the channels in the bottom of the Running Board, (Figure 12). Insert the Bolt Plates into the channels closest to the Brackets. Lift the Running Board up and guide the studs through the Brackets.
14. Attach the Running Board to the Brackets with (8) 6mm Flat Washers, (8) 6mm Lock Washers and (8) 6mm Hex Nuts, (Figures 22 & 23).
15. Level and adjust the Running Board and tighten the Bracket to Bolt Plate hardware only. Remove the Running Board. Adjust the Support Brackets as necessary to move the top of the Brackets up to touch the bend in the pinch weld. Mark the location of the slots in the (3) Support Brackets onto the outside of the pinch weld, (Figures 20 & 21).
16. Repeat Steps 10 & 11 to drill and attach the (4) Support Brackets to the pinch weld.
17. Reinstall the Running Board. Level and adjust and tighten all hardware.
18. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used also to clean the Running Board.

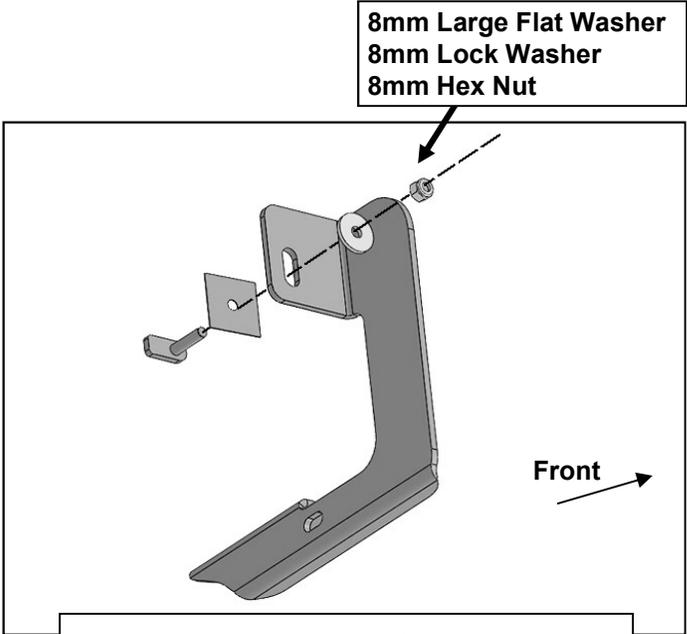
INSTALLATION IMAGES:

Driver/left Side Installation Pictured

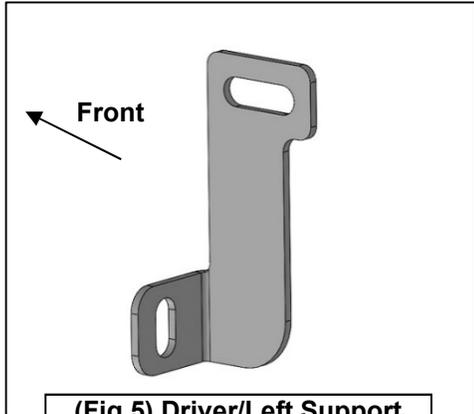




(Fig 3) Insert Bolt Plate into factory hole

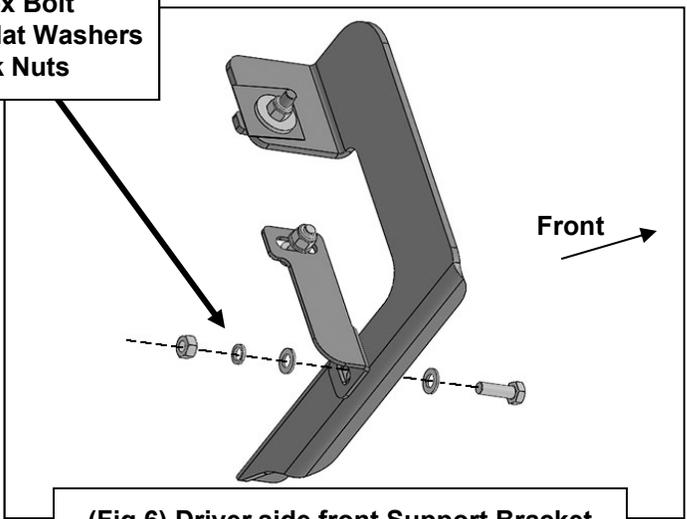


(Fig 4) Driver side front Bracket pictured

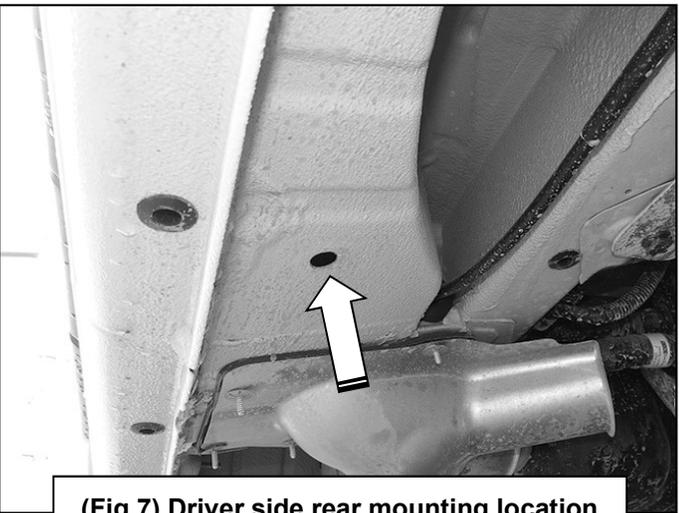


(Fig 5) Driver/Left Support Bracket (1 of 5)

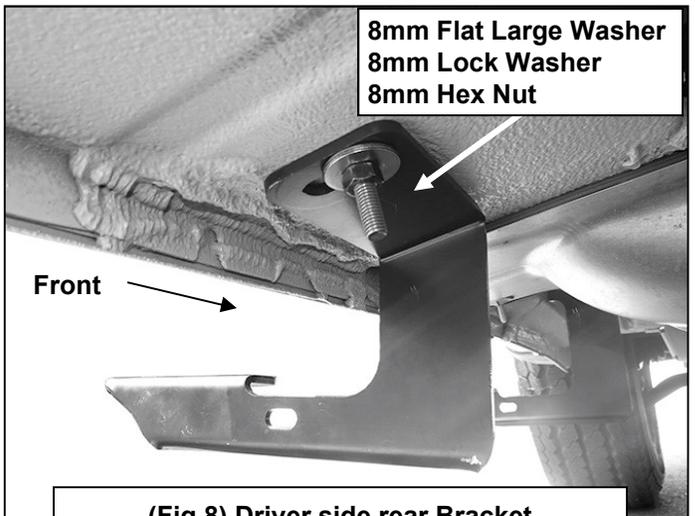
**8mm x 25mm Hex Bolt
(2) 8mm Small Flat Washers
8mm Nylon Lock Nuts**



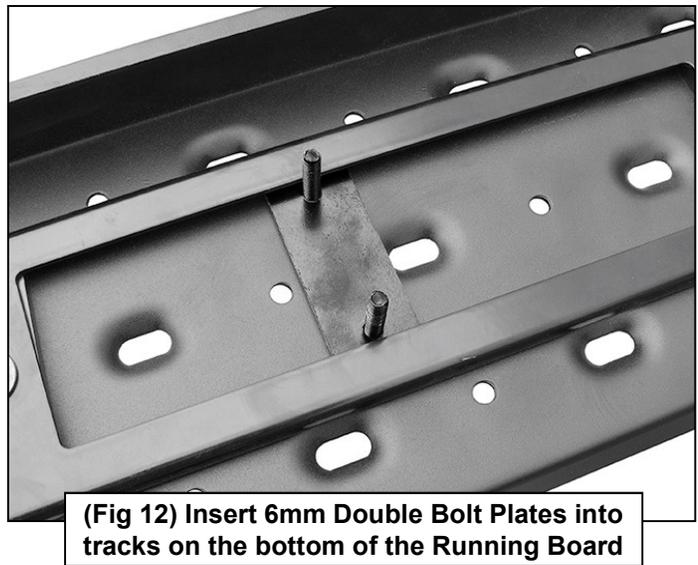
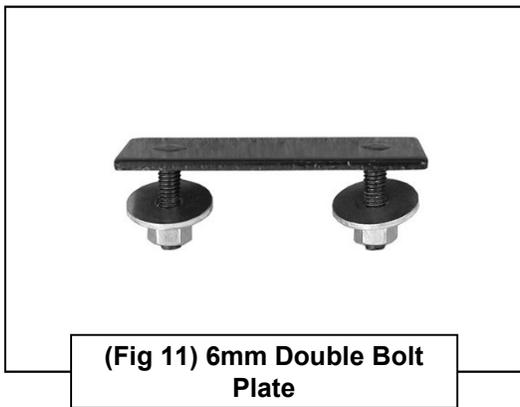
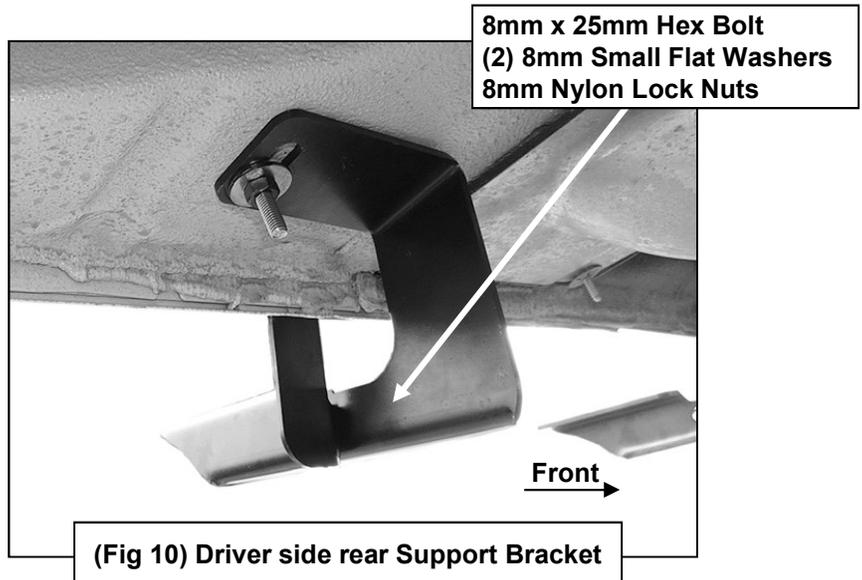
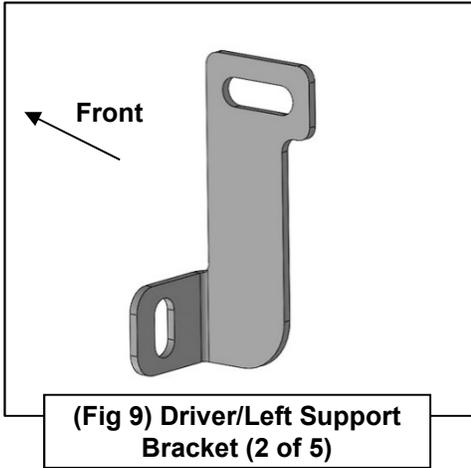
(Fig 6) Driver side front Support Bracket



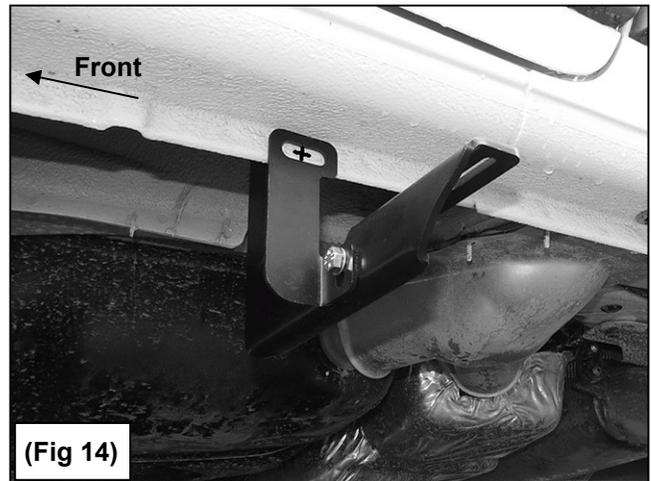
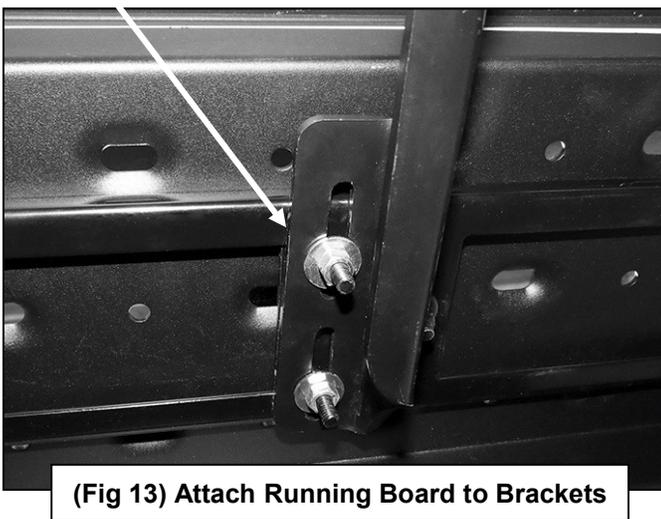
(Fig 7) Driver side rear mounting location

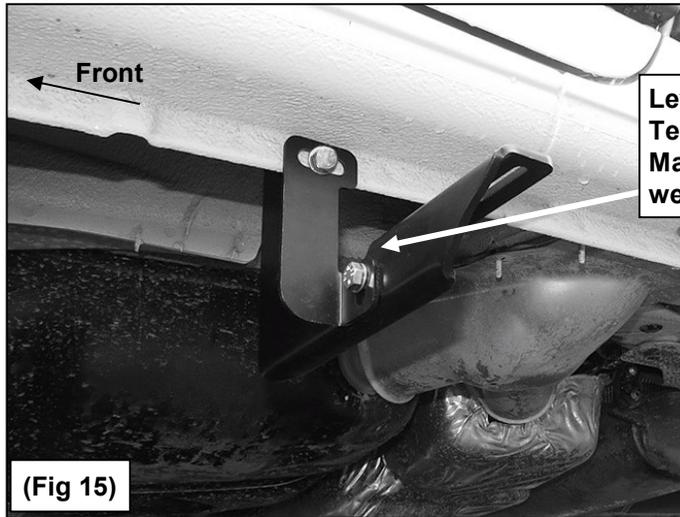


(Fig 8) Driver side rear Bracket



- (2) 6mm Flat Washers
- (2) 6mm Lock Washers
- (2) 6mm Hex Nuts

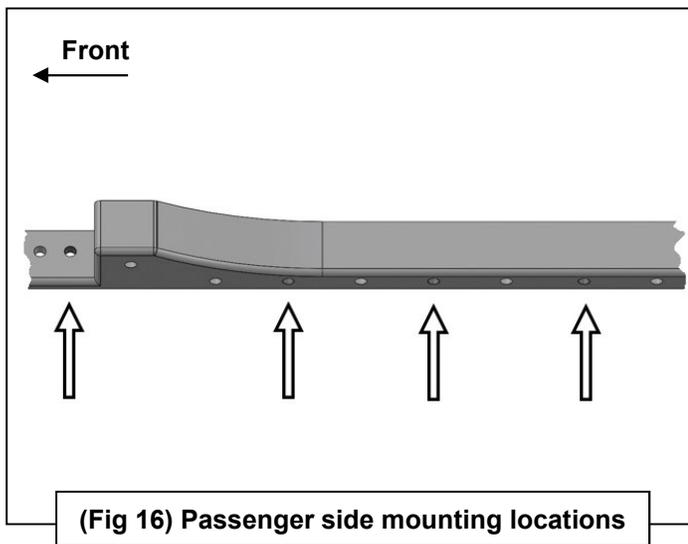




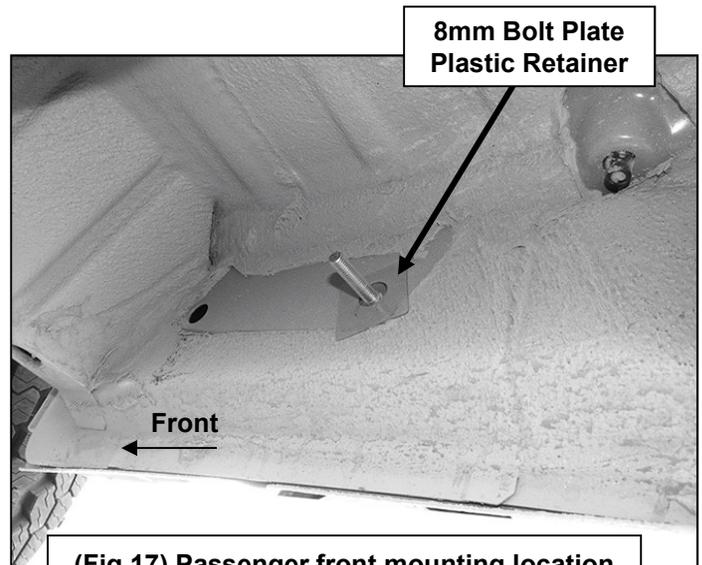
(Fig 15)

Level and adjust the Running Board. Temporarily remove the running board. Mark and drill 5/16" hole through pinch weld for each Support Bracket

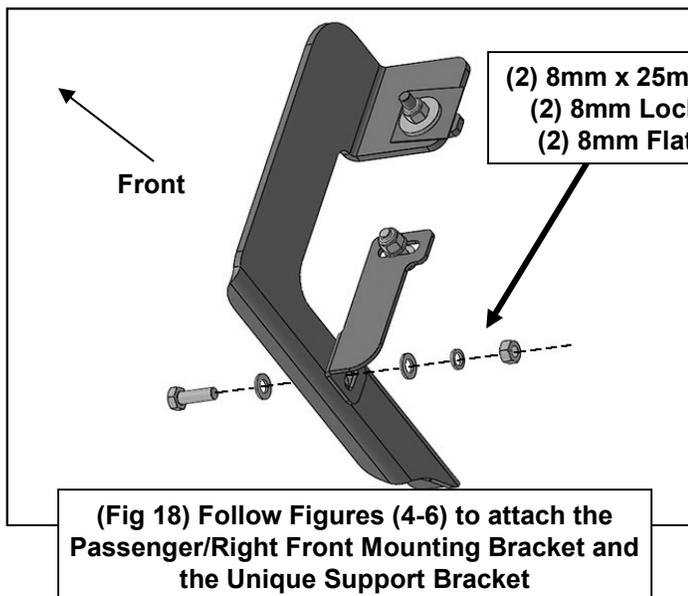
Passenger/right Side Installation Pictured



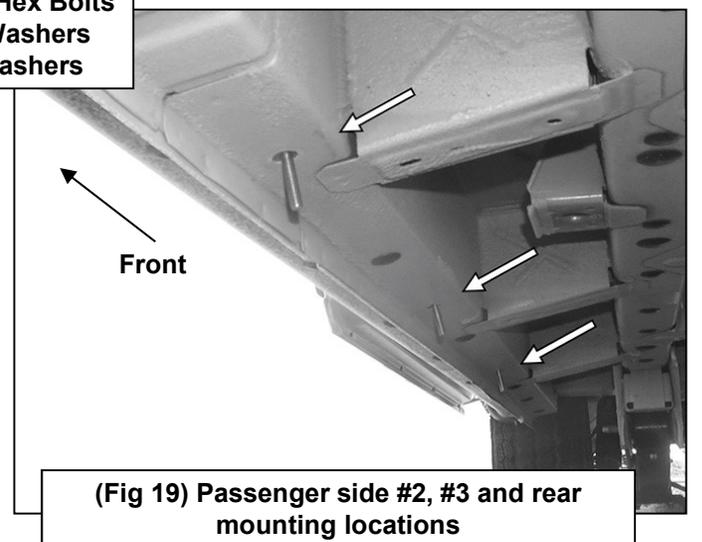
(Fig 16) Passenger side mounting locations



(Fig 17) Passenger front mounting location



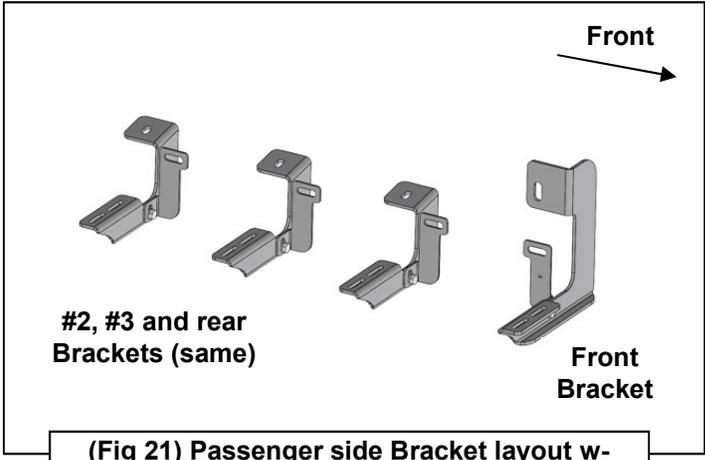
(Fig 18) Follow Figures (4-6) to attach the Passenger/Right Front Mounting Bracket and the Unique Support Bracket



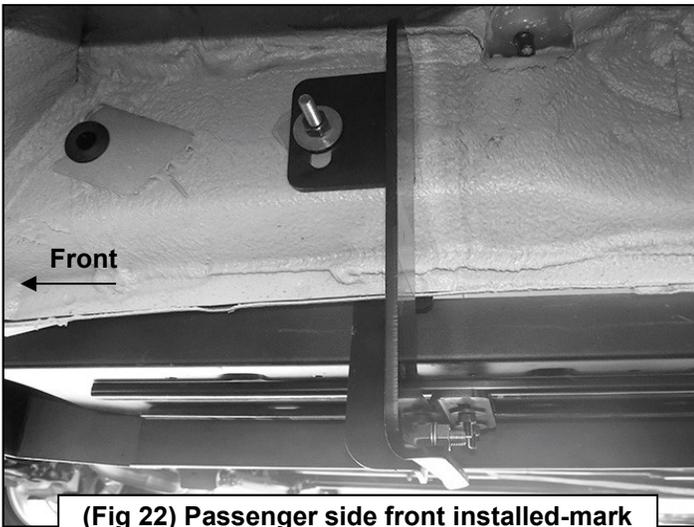
(Fig 19) Passenger side #2, #3 and rear mounting locations



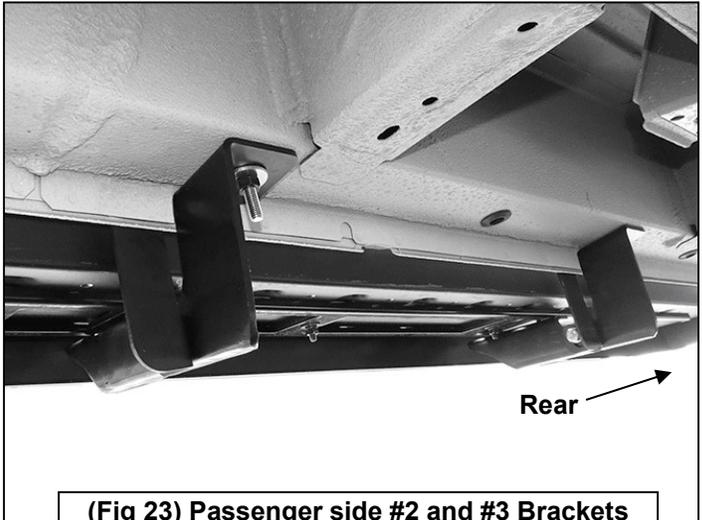
(Fig 20) Passenger side #2 Bracket installed



(Fig 21) Passenger side Bracket layout w- Support Brackets



(Fig 22) Passenger side front installed-mark to drill through pinch weld



(Fig 23) Passenger side #2 and #3 Brackets installed-mark to drill through pinch weld



Complete Driver Side Installation



Complete Passenger Side Installation

PRODUCT CARE

- Periodically check the product to ensure all fasteners are tight and components are intact.
- Regular waxing is recommended to protect the finish of the product.
- Use ONLY Non-Abrasive automotive wax. Use of any soap, polish or wax that contains an abrasive is detrimental and can scratch the finish leading to corrosion.
- Aluminum polish may be used to polish small scratches and scuffs for Stainless Steel finish.
- Mild soap may be used to clean the product for both Stainless Steel and Black finish.

FAQ's

1. Hardware and mounting brackets are not aligning properly

Ensure that hardware is being used on the correct side of vehicle. In some cases, the hardware may appear same for driver and passenger side but may alter the alignment of mounting location. Check mounting brackets for both sides.

2. Products are thumping / rattling after Installation

Ensure that all required mounting brackets / hardware's are installed & tightened correctly.

Suggest using white Lithium / regular grease between metal-to-metal contact.

3. Missing / Excess Hardware

Recheck hardware count as per the part list.

4. Product not installing properly

Ensure the Year / Make / Model as well as cab and bed dimensions are correct for the application. Review all steps for installation to ensure they were followed correctly.

5. Who should be contacted for questions regarding product / installation assistance?

www.trailfx.com / support@trailfx.com or 1-(866) 638-4870

Warranty Terms:

3 Year Limited Warranty:

TrailFX and Keystone Automotive Operations Inc. make no guarantees or warranties for products not manufactured by Keystone Automotive Operations Inc. Such products are covered solely under any applicable warranty of the manufacturer. It is always recommended that the operating instructions and warranty instructions provided by the manufacturer are followed.

Keystone Automotive Operations Inc. warrants its products to be free from manufacturing and material defects to the original purchaser for the length of warranty stated above from the date of retail purchase. If any products are found to have a manufacturing or material defect, the product will be replaced or repaired at the option of TrailFX and Keystone Automotive Operations Inc. with proof of purchase by the original purchaser. The original purchaser shall pay all transportation and shipping costs associated with the return of the defective product and the defective product shall become the property of Keystone Automotive Operations Inc.

The Warranty applies to Keystone Automotive Operations Inc. products used for individual and recreational purposes. Commercial usage of the Keystone Automotive Operations Inc. products limits the warranty to 90-days from date of purchase.

The Warranty applies only to Keystone Automotive Operations Inc. products which are found to be defective in manufacturing or material. This warranty does not apply to normal wear and tear of the finish placed on Keystone Automotive Operations Inc. products.

TrailFX and Keystone Automotive Operations Inc. are not responsible for any labor costs incurred for removal or replacement of the defective product.

TrailFX and Keystone Automotive Operations Inc. are not responsible for repair or replacement of any product under the limited warranty where the product was improperly installed, misapplied, altered, abused, neglected, overloaded, misused or damaged as a result of an accident, including any use of the product not in accordance with all product operating and safety instructions.

Without limiting the generality of the foregoing, TrailFX and Keystone Automotive Operations Inc. shall under no circumstances be liable for any incidental or consequential loss or damage whatsoever arising out of, or in any way relating to any such breach of warranty or claimed defect in, or non-performance of the products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights that vary from state to state.