

For 2009-2018 Dodge Ram 1500 Crew Cab (Incl. 2019 Ram 1500 Classic)/
2010-2019 Dodge Ram 2500/3500 Crew Cab(Excl. Chassis Cab Diesel models)

Installation Instructions for IA04SBJ8B by APS Auto Parts Specialist Inc.

Application: For 2009-2018 Dodge Ram 1500 Crew Cab (Incl. 2019 Ram 1500 Classic)/2010-
2019 Dodge Ram 2500/3500 Crew Cab(Excl. Chassis Cab Diesel models)

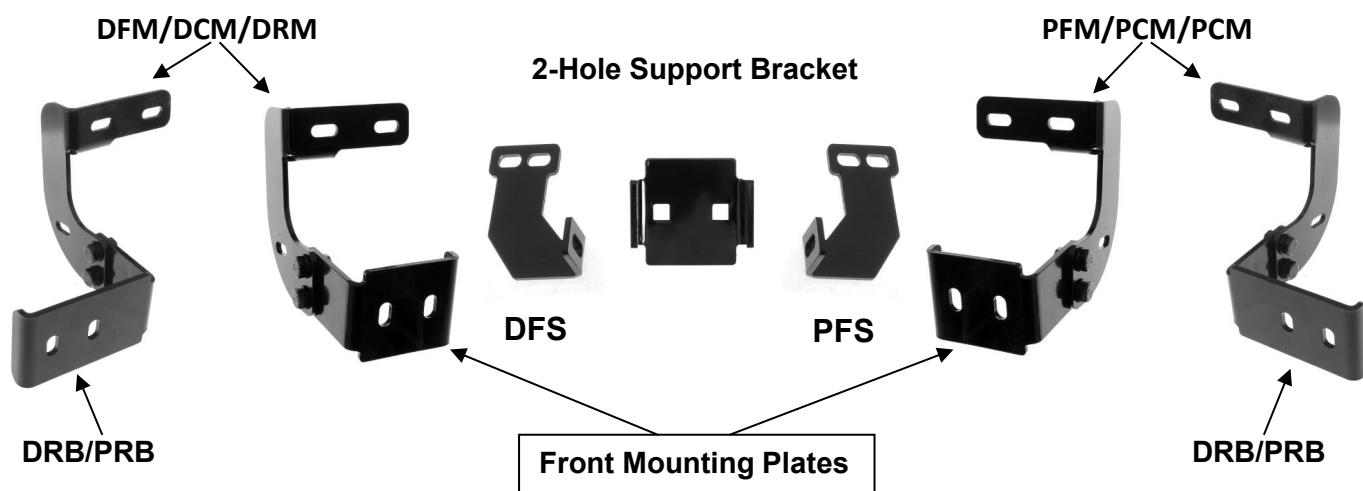
Estimated Time: 1 to 2 hours



The instruction here is for your reference only. We strongly recommend the professional installer for best result. We are not responsible for any damage caused by the installation. Thank you for choosing our product!

PARTS LIST:

Item	QTY	Description	Item	QTY	Description
#01	2	Driver/ Passenger Side Bar	#13	12	M8 Lock Washers
#02	3	Driver Front Mounting Brackets(DFM/DCM/DRM)	#14	6	M8 Hex Nuts
#03	3	Passenger Front Mounting Brackets(PFM/PCM/PRM)	#15	6	M8 Nylon Lock Nuts
#04	4	Front Mounting Plates	#16	12	M6 x1 - 25 Hex Bolts
#05	2	Rear Mounting Plates(DRB/PRB)	#17	24	M6 Flat Washers
#06	3	Driver/Left Front Support Mounting Bracket (DFS)	#18	12	M6 Nylon Lock Nuts
#07	3	Passenger/Right Front Support Mounting Bracket (PFS)	#19	12	M10 X1.5-75 Carriage Bolts
#08	6	2-Hole Support Bracket	#20	24	M10 Flat Washers
#09	6	M8 Nut/Bolt Plates	#21	12	M10 Lock Washers
#10	6	M8 Plastic Retainers	#22	12	M10 Hex Nuts
#11	18	M8 Hex Bolts	#23	12	M10 x1.5 - 25 Hex Bolts
#12	24	M8 Flat Washers	#24	12	M10 x1.5 Hex Flange Nuts



PROCEDURE:

1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. DRILLING MAY BE REQUIRED.
2. Starting at the driver side-front of the vehicle, remove the sealing tape covering the factory holes in the side of the inner panel, **(Figure 1)**.
3. Determine the correct procedure to attach one driver side Bracket for your model/year:

Models without factory threaded inserts in body panel:

 - a. Partially thread an 8mm Hex Bolt onto the threaded end of a 8mm Bolt and Nut Plate, **(Figure 2)**. Thread the Hex Bolt in until it is flush with the welded nut, **(Figure 3)**. Use the Hex Bolt as a handle and insert the Bolt and Nut Plate into the oval hole, **(Figure 4)**. Feed the threaded bolt on the Bolt Plate through one of the hex shaped factory holes. Thread (1) M8 Plastic Retainer onto the threaded end and down tight against the body panel, **(Figure 5)**. **NOTE:** The Plastic Retainer is designed to keep the Bolt/Nut Plate from falling into the body panel and to aid in Bracket installation.
 - b. Assemble (1)driver front Mounting Bracket and (1) Front Mounting Plate with (2) M10-25 Hex Bolts, (2) M10 Flat washer and (2) M10 Hex Flange Nut, **(Figure 6)**. Attach the Bracket to the threaded end of the Bolt Plate with (1) M8 Flat Washer, (1) M8 Lock washer and (1) M8Hex Nut, **(Figure 7)**. Do not tighten at this time.

- c. Remove the M8 Hex Bolt from the nut on the Bolt Plate from **Step 3a**. Rotate the Bolt on the Bolt Plate until the threaded nut lines up with the remaining hole in the Mounting Bracket and body panel, (**Figures 7 & 8**). Attach the Bracket to the threaded Nut Plate with (1) M8 Hex Bolt, (1) M8 Lock Washer and (1) M8 Flat Washer, (**Figure 8**). Do not fully tighten hardware at this time.

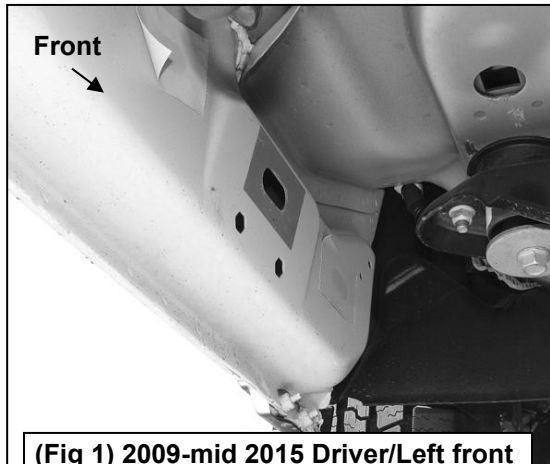
Models with factory threaded inserts:

- a. Assemble (1)driver front Mounting Bracket and (1) Front Mounting Plate with (2) M10-25 Hex Bolts, (2) M10 Flat washer and (2) M10 Hex Flange Nut, (**Figure 6**). Attach the driver side Bracket to the threaded inserts with (2) M8 Hex Bolts, (2) M8 Lock Washers and (2) M8 Flat Washer, (**Figures 9 & 10**). Leave hardware loose.
4. Next, select a driver side Support Bracket. Attach the Bracket to the front facing side of the front Bracket with (1) M8 Hex Bolt, (2) M8 Flat Washers and (1) M8 Nylon Lock Nut, (**Figure 11**). Rotate the Support Bracket to the back of the pinch weld. Line up the slots in the top of the Support Bracket with the (2) factory holes in the pinch weld. Attach the Bracket to the back of the pinch weld with (2) M6 Hex Bolts, (4) M6 Flat Washers and (2) M6 Nylon Lock Nuts, (**Figures 11**). Do not fully tighten hardware at this time. **IMPORTANT:** 2009-10 models are not equipped with factory holes and will require drilling through the pinch weld to attach the Support Bracket. Do not drill through pinch weld at this time, (**see Step 8**).
5. Move along the side of the body panel to the center mounting location, (**Figure 12**). Repeat the appropriate **Step 3** to install the driver side center Bracket, (**Figure 6&13**). **IMPORTANT:** The front , center and rear driver Mounting Brackets are universal. Select (1) driver side Support Bracket. Repeat **Step 4** to attach the Support Bracket to the back of the center bracket and factory holes (if equipped) in the pinch weld, (**Figure 14**).
6. Move to the rear location, (**Figure 15**). Assemble (1)driver rear Mounting Bracket and (1) Rear Mounting Plate with (2) M10-25 Hex Bolts, (2) M10 Flat washer and (2) M10 Hex Flange Nut, (**Figure 16**).Repeat **Step 5** to install the rear Mounting Bracket, (**Figure 17**).
7. Select the Driver Side Bar. Slip (2) M10X1.5-75 Carriage Bolts into each 2-Hole Support Brackets ,and insert the 2-Hole support bracket into the Driver Side Bar.(**Figure 18**). Carefully position the Driver Side Bar onto the (3) Mounting Brackets. **IMPORTANT:** Do not slide the Bar on the Brackets or damage to the finish may result. Attach the Driver Side Bar to the Mounting Brackets with (2) 10mm Hex Nuts,(2)10mm lock washers and (2)10mm flat washers, (**Figure 19**). Do not tighten hardware.
8. Level and adjust the Bar properly and tighten all hardware. **NOTE: Torque all M10 X1.5-75 Carriage Bolts to 22~25 lb-ft. Don't over tighten,or the aluminum square bars will be damaged by the brackets.**
9. Move to the passenger side of the vehicle. Remove tape covering front, center and rear locations. Repeat **Steps 2—8** for passenger side Mounting Bracket installation. **NOTE:** Refer to the illustration on **Page 1** to identify the correct Mounting Bracket for each of the remaining locations.
10. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

FINISH PROTECTION

Products have a high quality finish that must be cared for like any other exposed finish on the vehicle. Protect the finish with a non-abrasive automotive wax, (e.g.Pure Carnauba) on a regular basis. The use of any soap, polish or wax that contains an abrasive is detrimental, as the compounds scratch the finish and open it to corrosion.

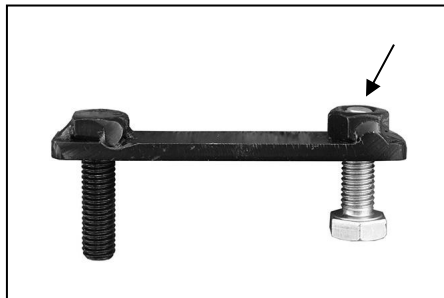
Driver Side Installation Pictured



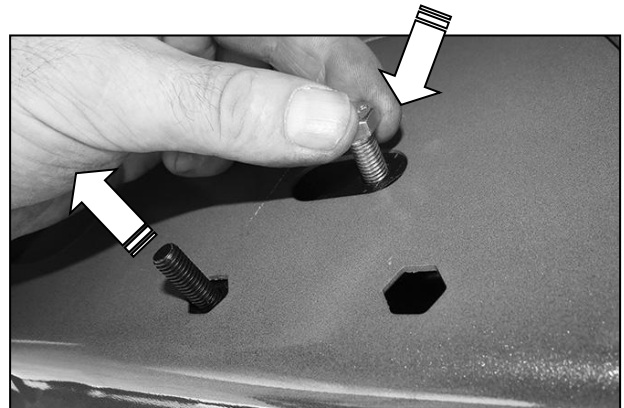
(Fig 1) 2009-mid 2015 Driver/Left front mounting location (No factory holes in pinch weld 2009-2011 models)



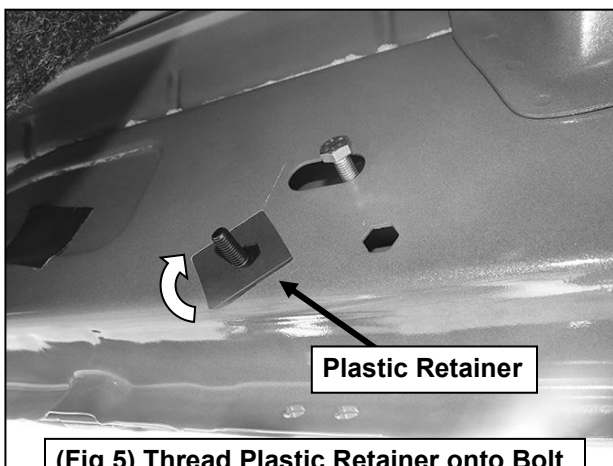
(Fig 2) 8mm Bolt-8mm Nut Plate, NOTE: 8mm Bolt-Nut Plate is not required on models with threaded inserts



(Fig 3) Thread (1) 8mm Hex Bolt into the nut on the plate. Stop when bolt reaches end of nut as pictured

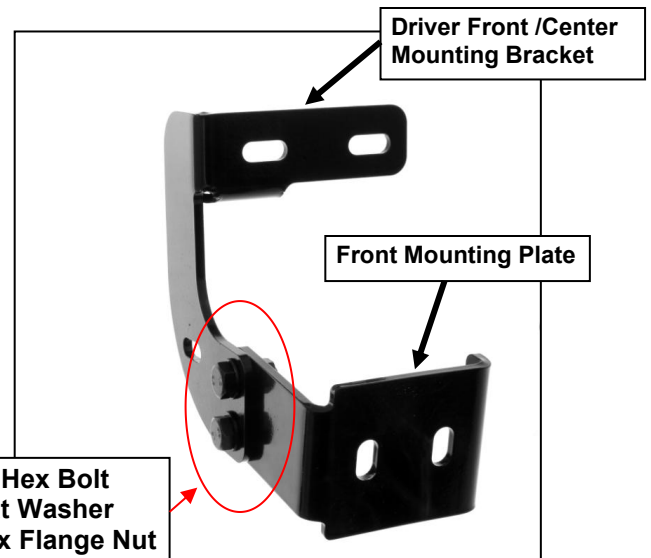


(Fig 4) Use the loose Hex Bolt as a handle. Insert the Bolt Plate into the oval hole and feed the threaded end out either factory hex shaped hole. IMPORTANT: Do not let go of the hex bolt until after Plastic Retainer has been threaded onto bolt (Fig 5)



Plastic Retainer

(Fig 5) Thread Plastic Retainer onto Bolt Plate to hold Bole Plate in position.



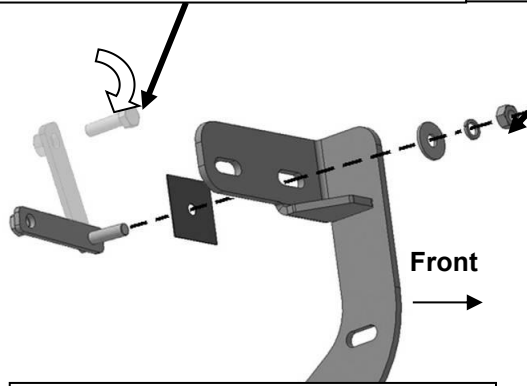
- (2) M10-25 Hex Bolt
- (2) M10 Flat Washer
- (2) M10 Hex Flange Nut

(Fig 6) Driver side front & center Bracket

Driver Side Installation Pictured

Remove Hex Bolt, rotate Bolt/Nut Plate to line up threaded nut with body panel and Mounting Bracket (see arrow)

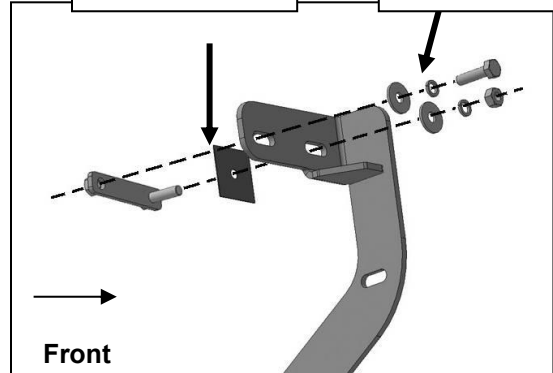
M8 Flat Washer
M8 Lock Washer
M8 Hex Nut



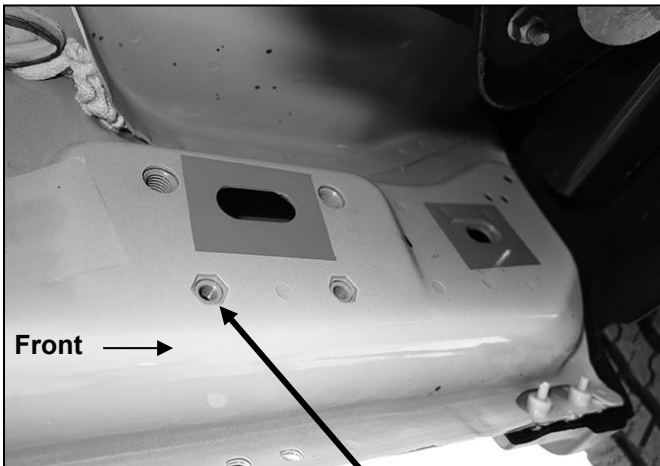
(Fig 6A) Attach Bracket to Bolt Plate

Plastic Retainer

M8 Hex Bolt
M8 Lock Washer
M8 Flat Washer

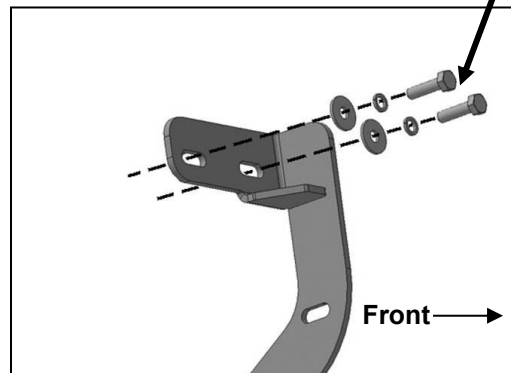


(Fig 6B) Attach Bracket to threaded end of Bolt Plate first. Remove 8mm Hex Bolt (see Fig 3). Rotate Bolt Plate to line up with remaining factory hex shaped hole.

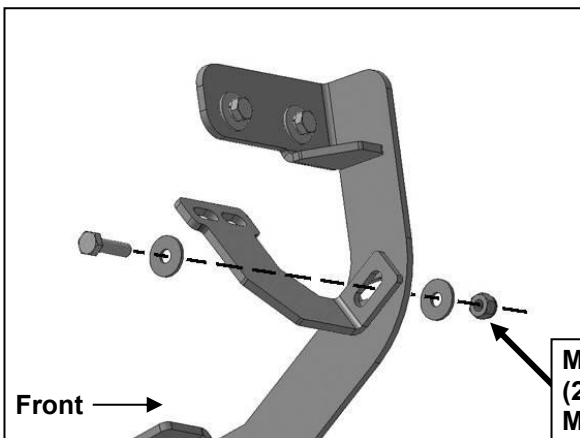


(Fig 7) Driver side front mid 2015-on, an example of models with factory installed threaded inserts

(2) M8 Hex Bolts
(2) M8 Lock Washers
(2) M8 Flat Washers



(Fig 8) Driver side front models with factory installed threaded inserts. Bolt Plate not required

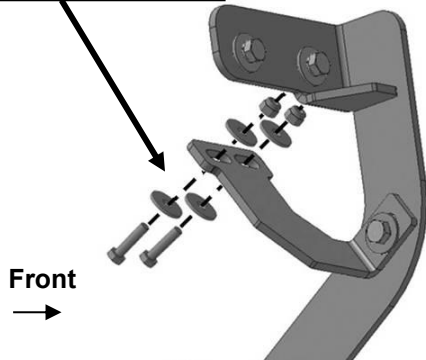


M8 Hex Bolt
(2) M8 Flat Washers
M8 Nylon Lock Nut

(Fig 9) Attach Driver/Left front Support Bracket to front facing side of Mounting Bracket

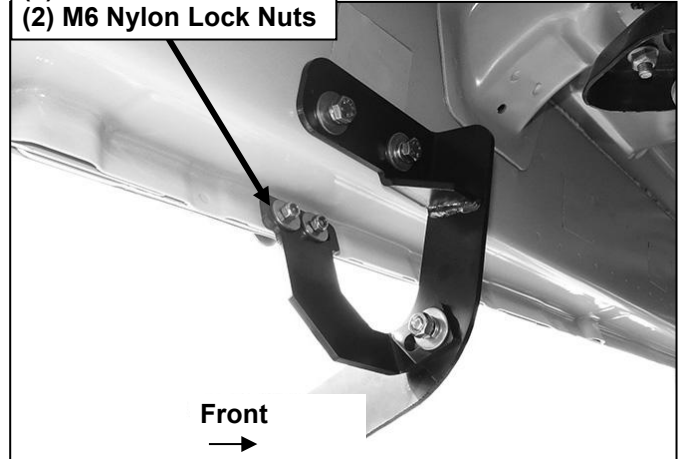
Driver Side Installation Pictured

- (2) M6 Hex Bolts
- (4) M6 Flat Washers
- (2) M6 Nylon Lock Nuts

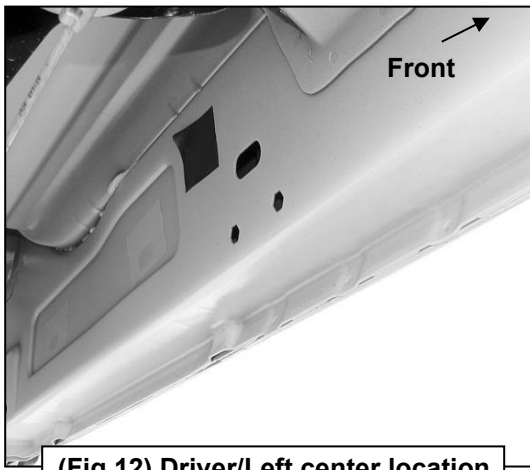


(Fig 10) Attach Support Bracket to back of pinch weld
(models with factory holes in pinch weld only)

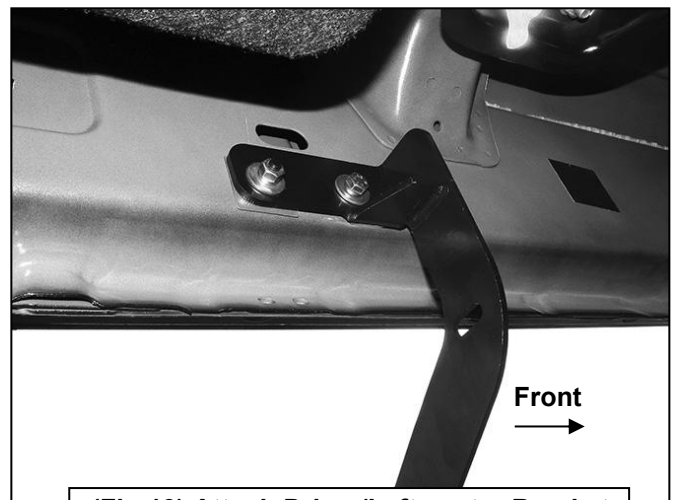
- (2) M6 Hex Bolts
- (4) M6 Flat Washers
- (2) M6 Nylon Lock Nuts



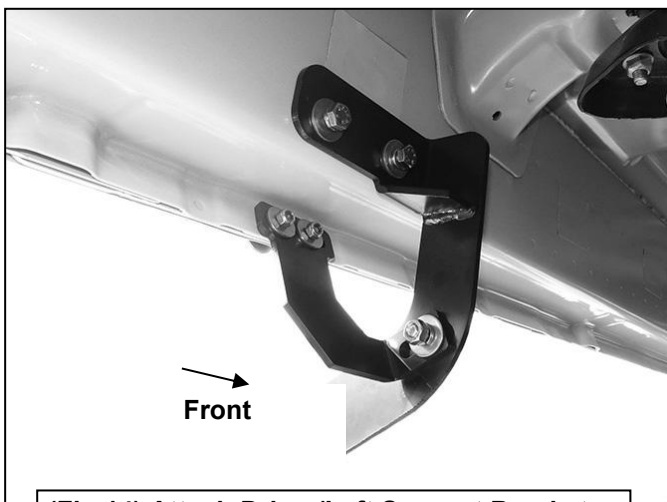
(Fig 11) Driver side front Bracket assembly



(Fig 12) Driver/Left center location



(Fig 13) Attach Driver/Left center Bracket



(Fig 14) Attach Driver/Left Support Bracket
to back of Center Mounting Bracket

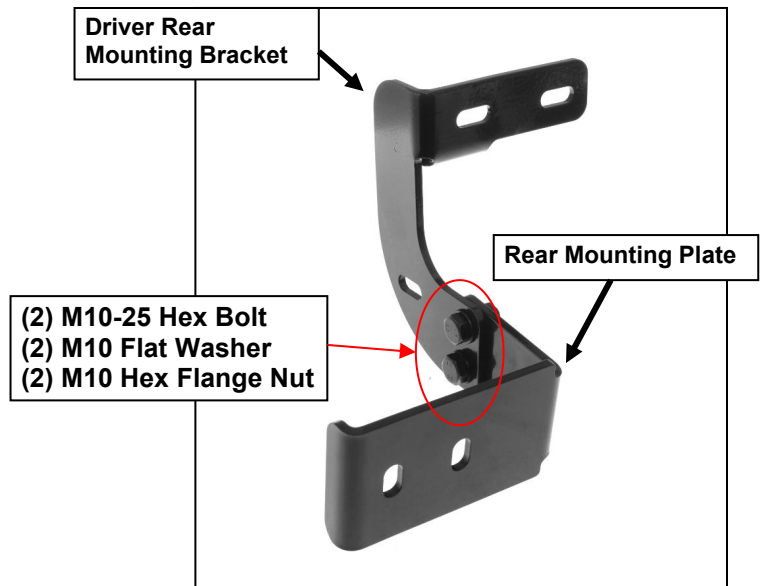
IMPORTANT: 2009-2010 models without holes in pinch weld will require drilling 1/4" holes through pinch weld to attach driver side front support bracket. Do complete installation of the Driver Side Bar first, level board before drilling holes for support bracket.

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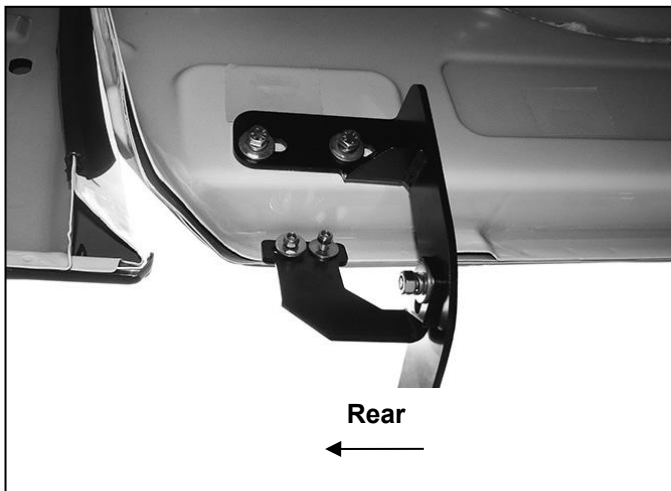
Driver Side Installation Pictured



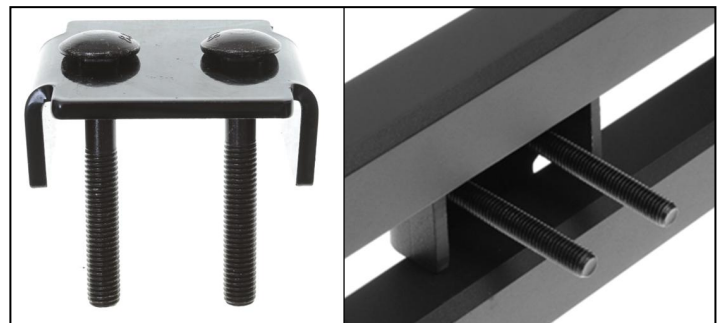
(Fig 15) Driver/Left rear mounting location



(Fig 16) Driver/Left rear Mounting Bracket



(Fig 17) Driver/Left rear Mounting Bracket assembly



(Fig 18) Slip M10-75 Carriage bolts into the 2-Hole Support Bracket



(Fig 19) Driver/Left side bracket installed



Complete Installation