iArmor® Series

INSTALLATION INSTRUCTIONS

PART#: IA-V195

BEFORE INSTALLATION

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. THANK YOU FOR CHOOSING OUR PRODUCT!

These instructions are provided for reference only. We strongly recommend installation by a professional installer for the best results. We are not responsible for any damage caused during installation.

***ROCKER PANEL MOUNT**

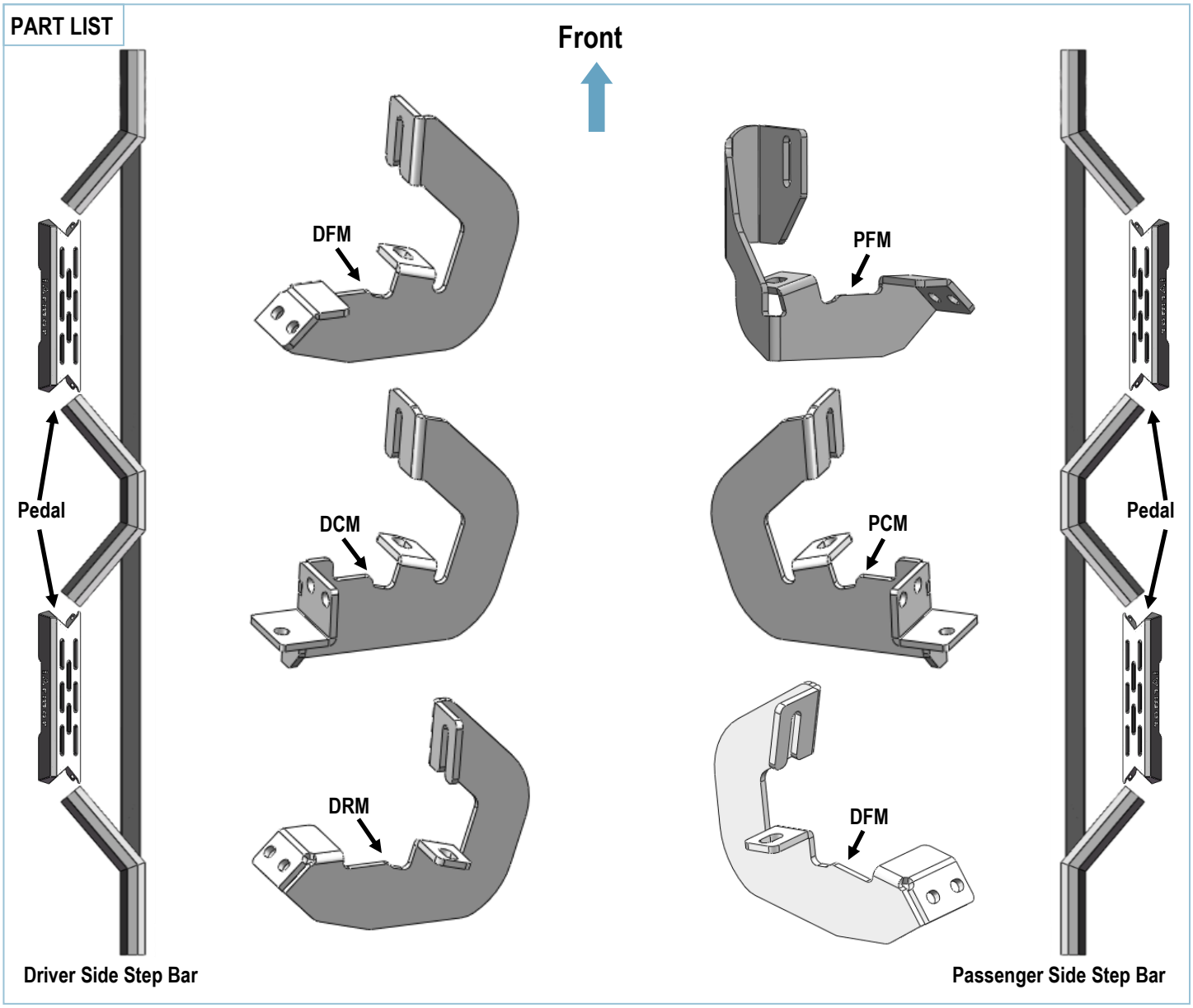
***NO DRILLING REQUIRED**

Recommended Torque Values

Fastener Size	Tightening Torque (ft-lbs)	Torque Wrench Required (Yes/No)
6mm	6-7	No
8mm	16-18	Yes
10mm	31-32	Yes
12mm	56-58	No
14mm	92-94	No

Mounting Bracket List							
Item	QTY	Bracket Label	Description	Item	QTY	Bracket Label	Description
1#	2	DFM	Mounting Bracket for Driver Front/ Passenger Rear	4#	1	PFM	Mounting Bracket for Passenger Front
2#	1	DCM	Mounting Bracket for Driver Center	5#	1	PCM	Mounting Bracket for Passenger Center
3#	1	DRM	Mounting Bracket for Driver Rear				

PART LIST



Hardware Package A (For Brackets & Bars Installation)					
Item	QTY	Description	Item	QTY	Description
A1	26	M8X1.25-25 Hex Bolts	A4	26	M8 Lock Washers
A2	12	M8 Large Flat Washers	A5	12	M8 Clip Nuts
A3	14	M8 Flat Washers			



A1 A2 A3 A4 A5

Hardware Package B (For Step Pedals Installation)					
Item	QTY	Description	Item	QTY	Description
B1	8	M10X30 Hex Bolts	B4	8	M8X1.25-30 Hex Bolts
B2	8	M10 Large Flat Washers	B5	8	M8 Flat Washers
B3	8	M10 Lock Washers	B6	8	M8 Lock Washers



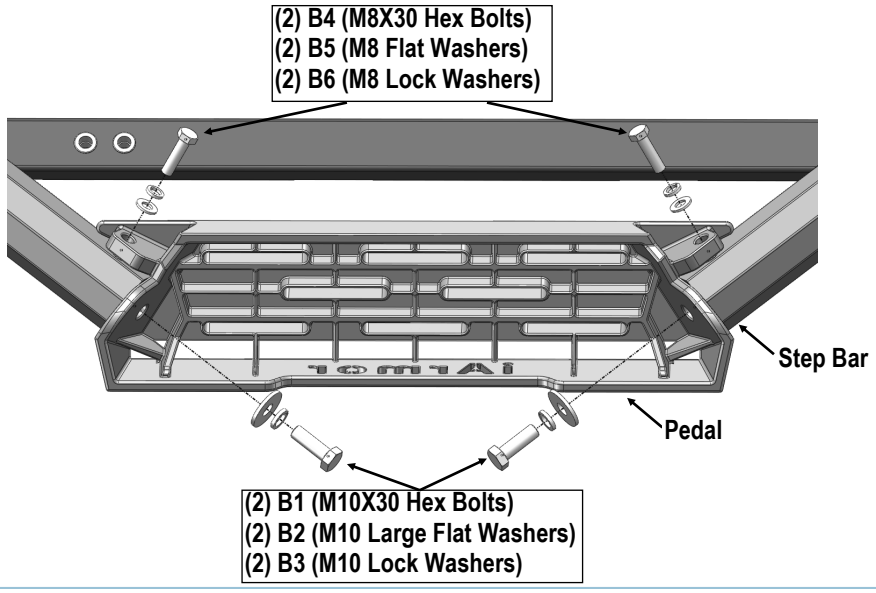
B1 B2 B3 B4 B5 B6

STEP 1: Step Bars Assembly

Assemble (4) Pedals onto the (2) step bars (two pedals for one step bar) by using:

- (8) B1 (M10X30mm Hex Bolts)
- (8) B2 (M10 Large Flat Washers)
- (8) B3 (M10 Lock Washers)
- (8) B4 (M8X30mm Hex Bolts)
- (8) B5 (M8 Flat Washers)
- (8) B6 (M8 Lock Washers)

IMPORTANT: Never use metal hammers on the pedal during installation - this will cause damage!



STEP 2: Locate Driver Side Mounting Locations

(1) Locate 3 tabs along the pinch weld on driver side. Mounting Brackets will bolt to the **1st, 2nd and 4th** mounting tabs **(Fig. 1).**

(2) Directly above each tab is a top mounting location on the inner side of the body panel **(Fig. 2)** .
NOTE: **It will be helpful for identifying the mounting holes to hold up Mounting Bracket in place.**

(3) **Identify the style of the mounting position on Pinch Weld.**

A. Bottom mounting location on the edge of the pinch weld.

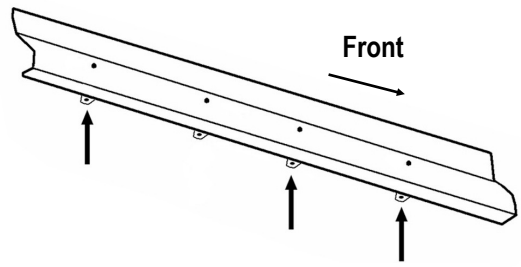
a. **Flat tab on pinch weld with factory installed weld nut**: Thread the M8X1.25-25 Hex Bolt into the weld nut from the backside down to clear paint from threads, **(Fig. 2)**.

b. **Flat tab on pinch weld with hole**: Select (1) M8 Clip Nut. Slide the Clip Nut over the tab with the nut facing up, **(Figs. 3-5)**. Repeat for each mounting location.

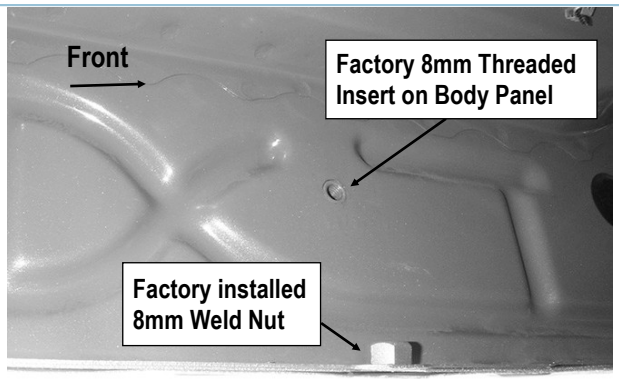
B. Top mounting location on the back side of the body panel.

a. **Models with factory installed threaded insert in body panel**: Thread M8X1.25-25 Hex Bolt into threaded insert to clear paint as required, **(Figs. 2 & 3)**.

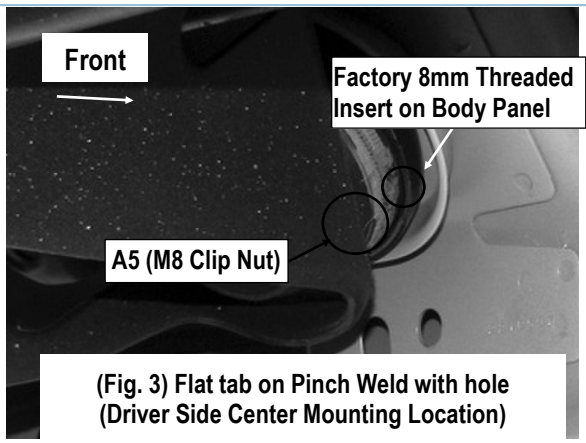
b. **Models with large and small hole on the body panel**: Remove the rubber plug from the larger hole if equipped. Select (1) M8 Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole, **(Figs. 4 & 5).**



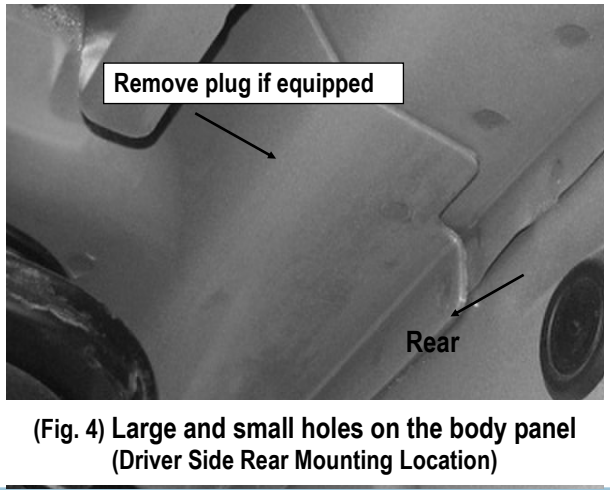
(Fig. 1) Driver Side Mounting Positions
(The 1st, 2nd, 4th tabs On Pinch Weld)



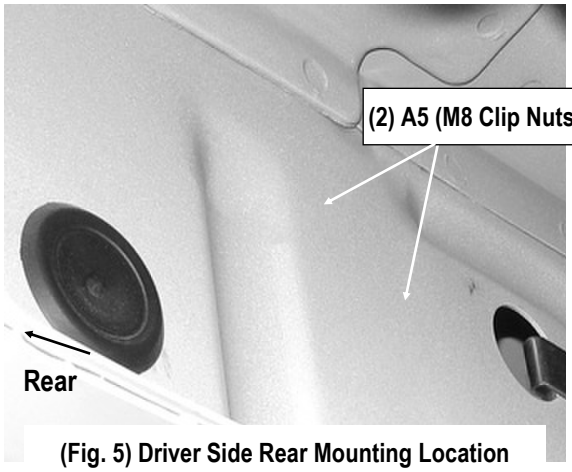
(Fig. 2) Flat tab on Pinch Weld with Factory Installed Weld Nut (Driver Side Front Mounting Location)



(Fig. 3) Flat tab on Pinch Weld with hole (Driver Side Center Mounting Location)



(Fig. 4) Large and small holes on the body panel (Driver Side Rear Mounting Location)

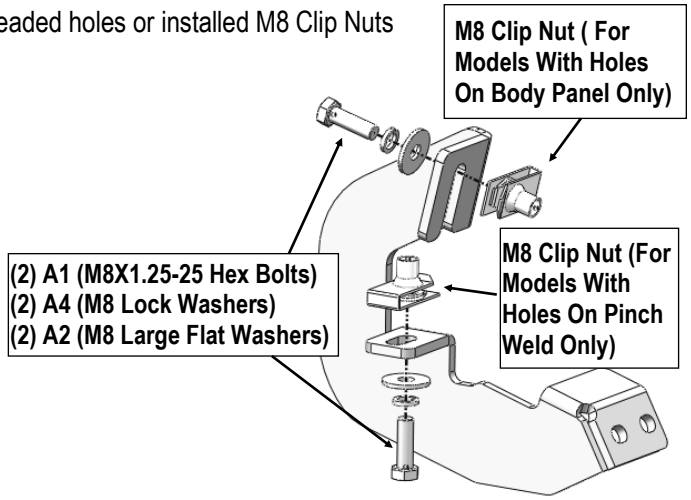


(Fig. 5) Driver Side Rear Mounting Location

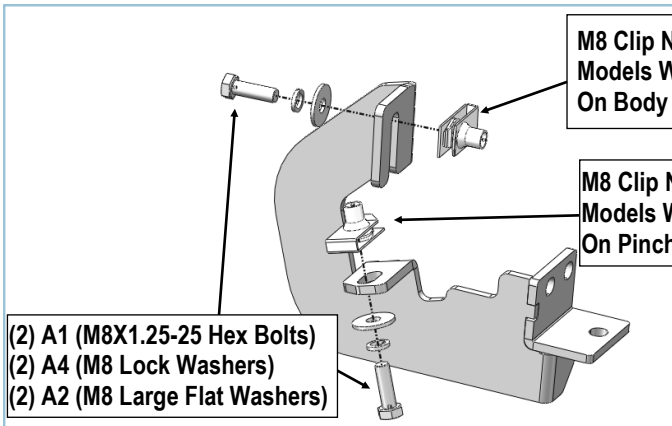
STEP 3: Install Driver Side Mounting Brackets

- Attach (1) driver front mounting bracket **(DFM)** to the factory threaded holes or installed M8 Clip Nuts with **(Fig. 6)**:
  - (2) A1 (M8X1.25-25 Hex Bolts)
  - (2) A2 (M8 Large Flat Washers)
  - (2) A4 (M8 Lock Washers)

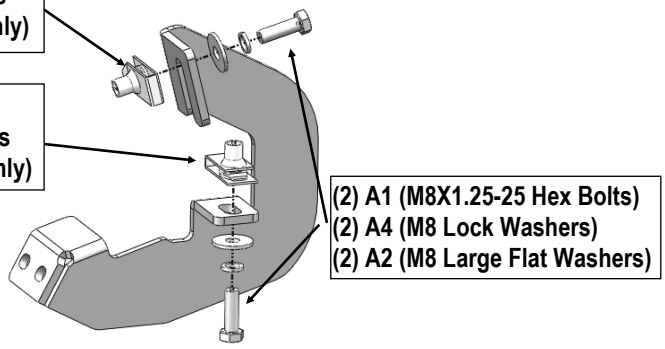
  Do not fully tighten hardware at this time.
- Repeat to install driver center mounting bracket **(DCM) (Fig. 7)**.
- Repeat to install driver rear mounting bracket **(DRM) (Fig. 8)**.



(Fig. 6) Driver Front Mounting Bracket (DFM) Installation



(Fig. 7) Driver Center Mounting Bracket (DCM) Installation



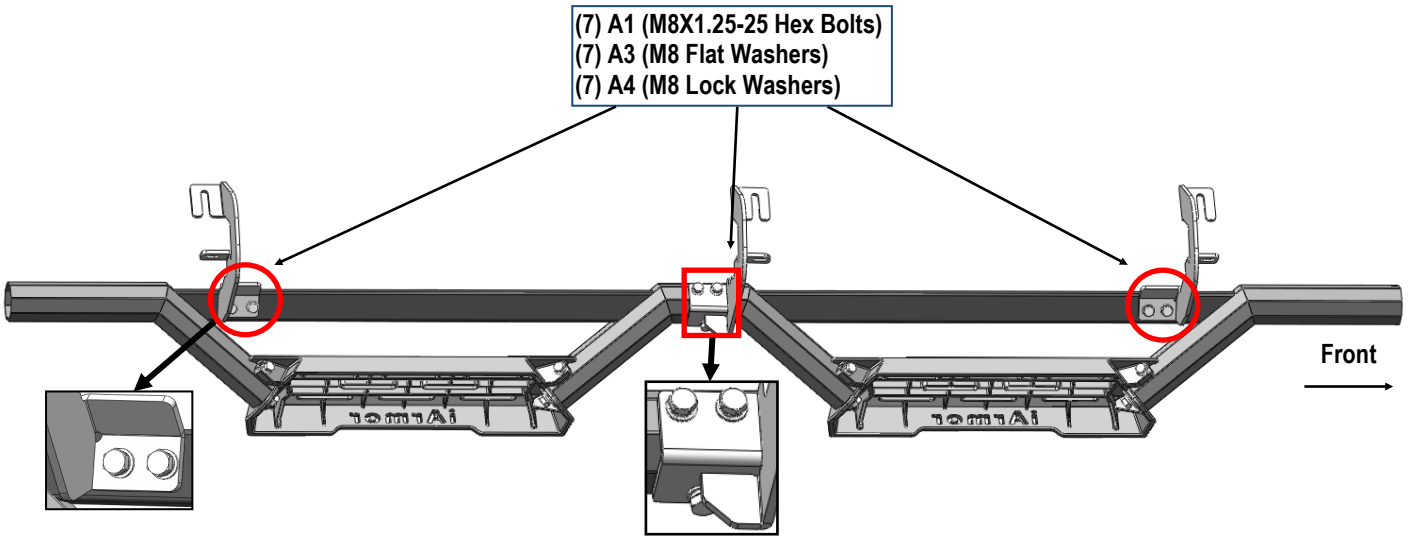
(Fig. 8) Driver Rear Mounting Bracket (DRM) Installation

STEP 4: Driver Side Step Bar Installation

Once all (3) Mounting Brackets have been installed, attach the assembled driver side step bar to the mounting brackets with **(Fig. 9):**

- (7) A1 (M8X1.25-25 Hex Bolts)
- (7) A3 (M8 Flat Washers)
- (7) A4 (M8 Lock Washers)

Do not fully tighten hardware at this time.



(Fig. 9) Driver Side Step Installation (Back View)

STEP 5: Identify Passenger Side With or Without DEF Tank

Move to the passenger side of the vehicle. On the passenger side, determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank, **(Fig. 10& 11)**.

- **Models without DEF tank, skip to Step 6.**
- **Models with DEF tank, first determine correct procedure for your model/year:**
  - ***2007-2016 Models with DEF tank:***

    The tank sits close to the side of the body. With specialized tools, the Passenger Front Mounting Bracket can be installed but room is limited. It may be easier to drop the tank down to access the inner side of the body panel to mount the bracket. Tank will not need to be removed, only dropped down for access to mounting location.

    IMPORTANT: If tank is full, it will be very heavy and assistance is highly recommended to avoid injury or damage to the vehicle or the tank. It is recommended that installation is performed when the DEF tank is low on fluid before dropping the tank.

    a. On models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, **(Fig. 10)**, and remove the tray.

    b. Release the tank filler hose. Release the plug for the sending unit on the top of the tank.

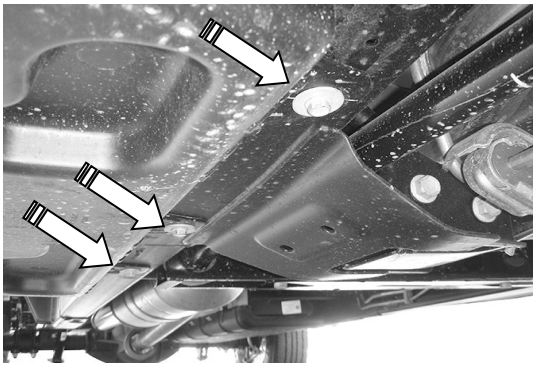
    c. Support the tank with a floor jack. Place a smooth flat surface, (wooden block for example), between the floor jack and the tank to avoid damaging the plastic tank. Do not push up on the tank; only support the weight of the tank with the jack.

    d. Remove the (2) bolts securing the tank straps to the vehicle, **(Fig. 12)**. Tilt the straps to release from the brackets. Slowly lower the tank until the top of the tank is almost visible. Use blocks or stands to support the tank while installing the front Brackets.

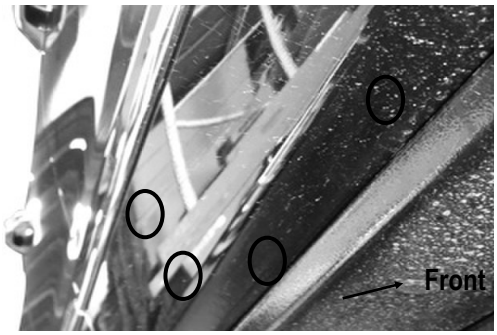
    e. Proceed to **Step 6** to install the passenger side mounting brackets.

  - ***2017*- On 2500/3500 models:**

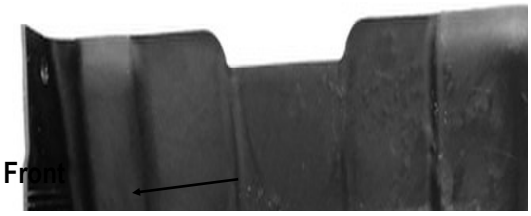
    Do not remove the tank. Remove the (4) hex bolts attaching the plastic cover to DEF tank, (**Fig. 11A**) and remove only the plastic cover, **(Fig. 11B).**



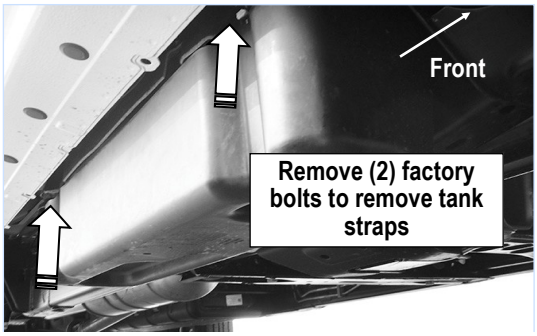
(Fig. 10) 07-16 Passenger side front pictured with DEF tank cover. Remove (3) hex bolts to remove cover



(Fig. 11A) 2017-On Passenger side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



(Fig. 11B) 2017-On Passenger side DEF cover removed



(Fig. 12) 07-16 Passenger side DEF tank and cover

STEP 6: Passenger Side Mounting Brackets Installation

(1) Select the Passenger Front Mounting Bracket **(PFM):**

A. Secure the mounting bracket to the body panel:

a. **For models with threaded insert in body panel**, **(Figs. 2 & 3)**. Attach the mounting bracket to the body panel with:

- (1) A1 (M8X1.25-25 Hex Bolt)
- (1) A4 (M8 Lock Washer)
- (1) A2 (M8 Large Flat Washer), **(Fig. 13).**

b. **For models with Large and small holes in the body panel**, **(Figs. 4 & 5)**. Select (1) M8 Clip Nut into the large hole and line up the threaded nut over the small hole. Attach the mounting bracket to the body panel with:

- (1) A1 (M8X1.25-25 Hex Bolt)
- (1) A4 (M8 Lock Washer)
- (1) A2 (M8 Large Flat Washer), **(Fig. 13).**

B. Secure the mounting bracket to the pinch weld:

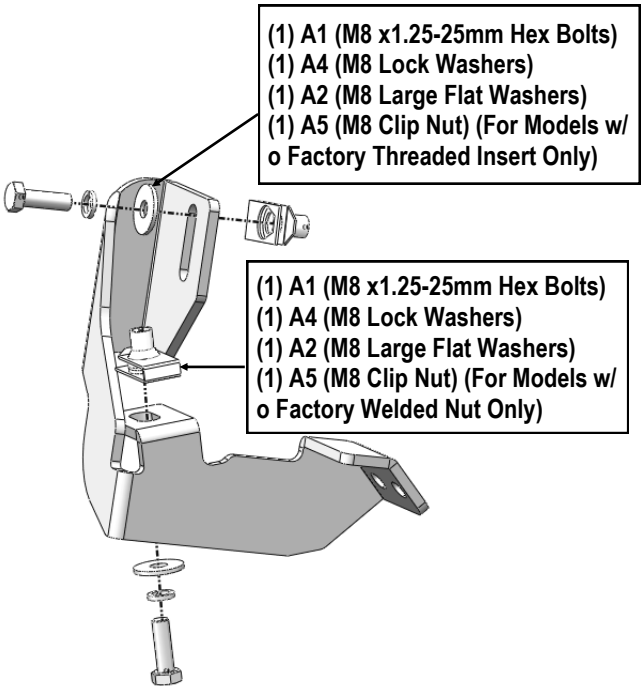
a. **For models flat tab on pinch weld with a weld nut**, **(Fig. 2)**. Attach the mounting bracket to the body panel with:

- (1) A1 (M8X1.25-25 Hex Bolt)
- (1) A4 (M8 Lock Washer)
- (1) A2 (M8 Large Flat Washer), **(Fig. 13).**

b. **For models flat tab on pinch weld with hole**, **(Figs. 3-5)**. Attach the mounting bracket to the body panel with:

- (1) A1 (M8X1.25-25 Hex Bolt)
- (1) A4 (M8 Lock Washer)
- (1) A2 (M8 Large Flat Washer), **(Fig. 13).**

(2) Repeat **Steps 2-3** for the (2) remaining passenger side Center **(PCM)** and Rear Bracket **(DFM)** installation.



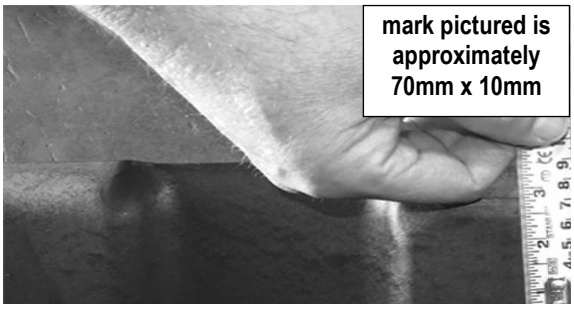
(Fig. 13) Passenger Front Mounting Bracket Installation

STEP 7: DEF Cover Cut

- **2017-On 2500/3500 DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), **(Fig. 14)**.
- Hold the DEF cover in place and mark the 2nd Bracket location onto the cover, **(Fig. 14)**. Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket, **(Fig. 15)**. Remove as little plastic as possible.



(Fig. 14) Passenger side 2nd bracket location from back of body panel



(Fig. 15) 2017-On Passenger side DEF cover marked for trimming



(Fig. 16) 2017-On Passenger side DEF cut for example only

STEP 8: Passenger Side Step Bar Installation

- Repeat **Step 4** to install the passenger side step bar onto the passenger side mounting brackets.
- Level and adjust the assembled Step Bar properly.
- Tighten all 8mm hardware with 16-18 ft-lbs torque, and tighten all 10mm hardware with 31-32 ft-lbs torque.

Attention

- **Do periodic inspections to the installation to make sure that all hardware is secure and tight.**
- **In order to protect your bars/boards, please use mild soap/non-abrasive products for cleaning only.**