

# iArmor® Series

## INSTALLATION INSTRUCTIONS

**PART#: IA-V071**

### **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.

**\*ROCK PANEL MOUNT**

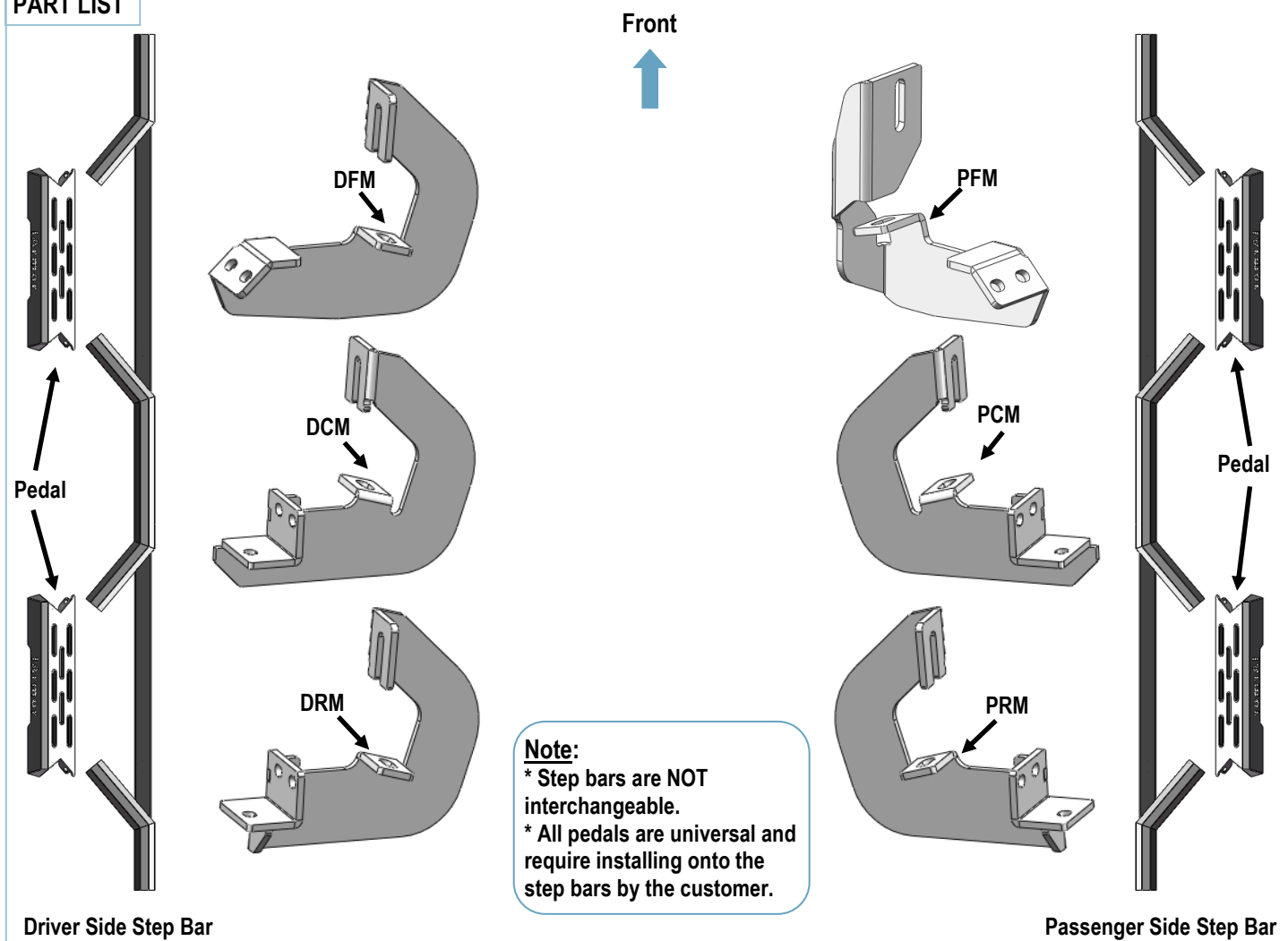
**\*DRILLING NOT REQUIRED**

### **Recommended Torque Values**

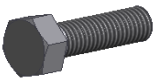
| Fastener Size | Tightening Torque (ft-lbs) | Torque Wrench Required (Yes/No) |
|---------------|----------------------------|---------------------------------|
| 6mm           | 6-7                        | No                              |
| 8mm           | 16-18                      | Yes       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

| Mounting Bracket List |     |               |                                       |
|-----------------------|-----|---------------|---------------------------------------|
| Item                  | QTY | Bracket Label | Description                           |
| 1#                    | 1   | DFM           | Mounting Bracket for Driver Front     |
| 2#                    | 1   | DCM           | Mounting Bracket for Driver Center    |
| 3#                    | 1   | DRM           | Mounting Bracket for Driver Rear      |
| 4#                    | 1   | PFM           | Mounting Bracket for Passenger Front  |
| 5#                    | 1   | PCM           | Mounting Bracket for Passenger Center |
| 6#                    | 1   | PRM           | Mounting Bracket for Passenger Rear   |

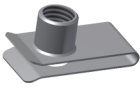
## PART LIST



| Hardware Package A (For Brackets & Bars Installation) |     |                       |      |     |                 |
|-------------------------------------------------------|-----|-----------------------|------|-----|-----------------|
| Item                                                  | QTY | Description           | Item | QTY | Description     |
| A1                                                    | 28  | M8X1.25-25 Hex Bolts  | A4   | 28  | M8 Lock Washers |
| A2                                                    | 12  | M8 Large Flat Washers | A5   | 12  | M8 Clip Nuts    |
| A3                                                    | 16  | M8 Flat Washers       |      |     |                 |







A1

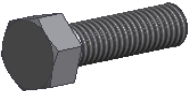
A2

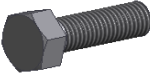
A3

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

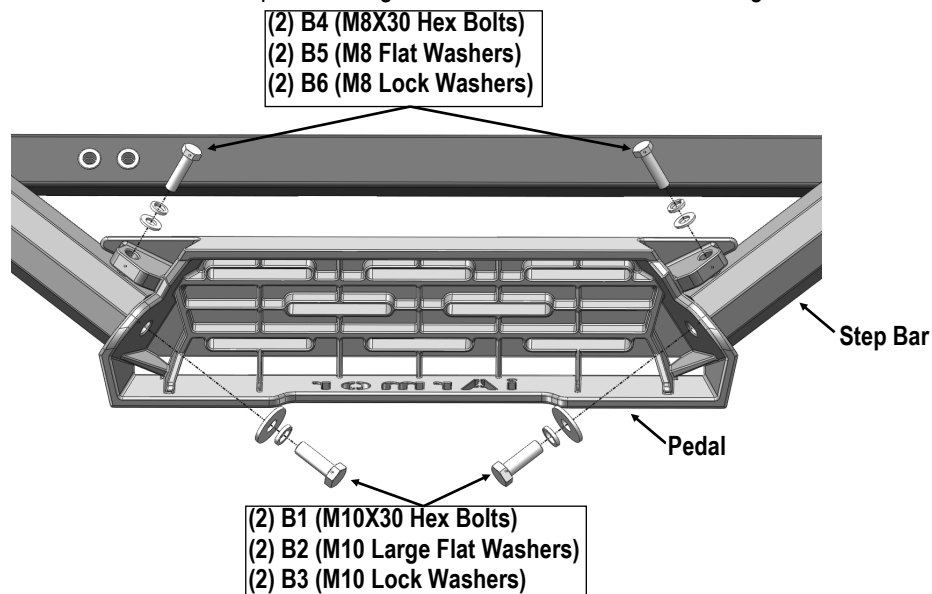
B6

## STEP 1: Step Bars Assembly

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

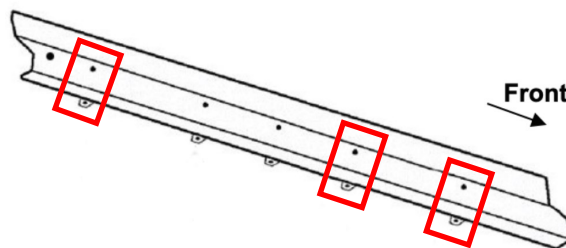
- (8) B1 (M10X30mm Hex Bolts)
- (8) B2 (M10 Large Flat Washers)
- (8) B3 (M10 Lock Washers)
- (8) B4 (M8X30mm Hex Bolts)
- (8) B5 (M8 Flat Washers)
- (8) B6 (M8 Lock Washers)

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



## STEP 2: Locate Driver Side Mounting Locations

- (1) Locate the 5 tabs along the bottom edge of the body, (pinch weld). 1st, 2nd and 5th tabs will be used (**Fig. 1**).
- (2) Directly above each tab is a top mounting location on the side of the body panel.
- (3) Hold a Bracket up in place to help determine the mounting holes to use along the body.



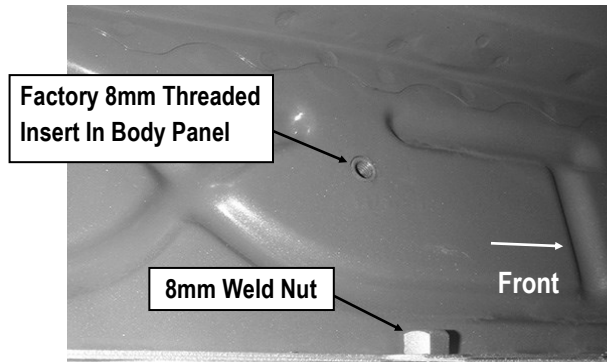
(Fig. 1) Driver Side (3) Mounting Locations

### (3) Identify the style of the mounting position on pinch weld.

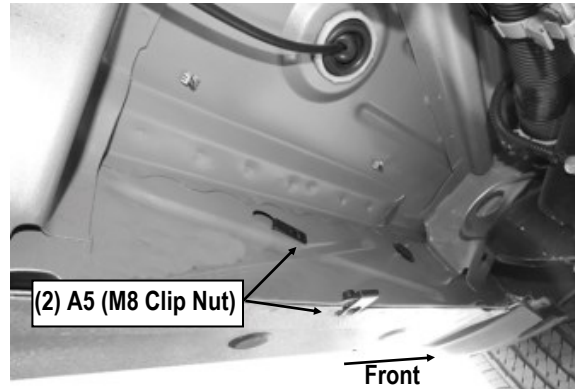
There are two mounting tab styles on the edge of the pinch weld (Figs. 2&3):

- **Flat tab with factory weld nut on Pinch Weld (Fig. 3):** Thread a hex bolt into weld nut to clear paint from thread.
- **Flat tab with hole on Pinch Weld (Fig. 4):**

Install (1) A5 (M8 Clip Nut) on each mounting tab, by sliding the Clip Nut over the tab with the nut facing up behind the tab. And then line up threaded nut with hole in the tab.



(Fig. 2) Driver Front Mounting Location  
(Models factory nut in Pinch Weld)



(Fig. 3) Driver Front Mounting Location  
(Models factory hole in Pinch Weld)

### (4) Identify the style of the mounting position on Body Panel.

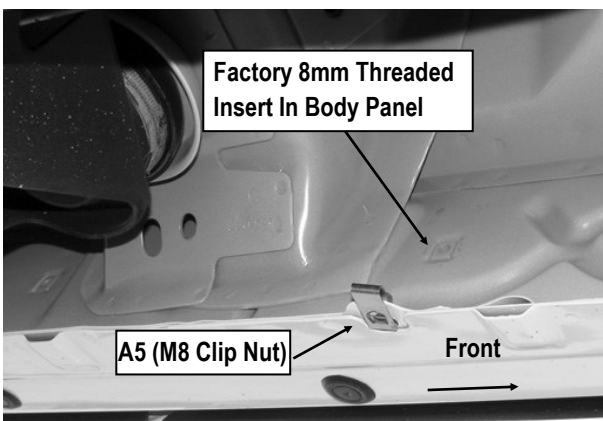
There are two mounting styles on the Body Panel (Figs. 4&5):

- **Models with factory threaded insert in body panel (Fig. 4):**

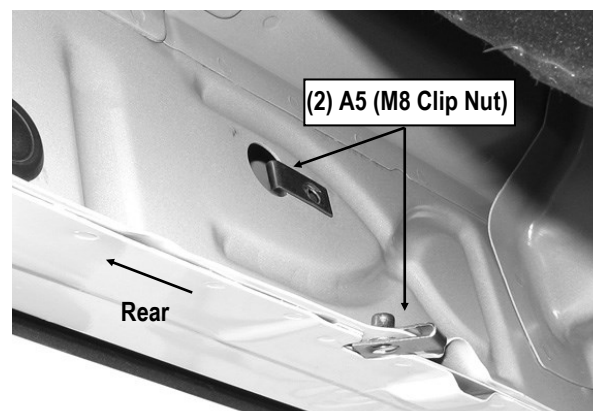
Thread A1 (M8 Hex Bolt) into threaded insert to clear paint as required,

- **Large and small holes in body panel (Fig. 5):**

Remove the rubber plug from the larger hole if equipped. Select (1) A5 (M8 Clip Nut). Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole.



(Fig. 4) Driver Side 2nd Mounting Location



(Fig. 5) Driver Side Rear Mounting Location

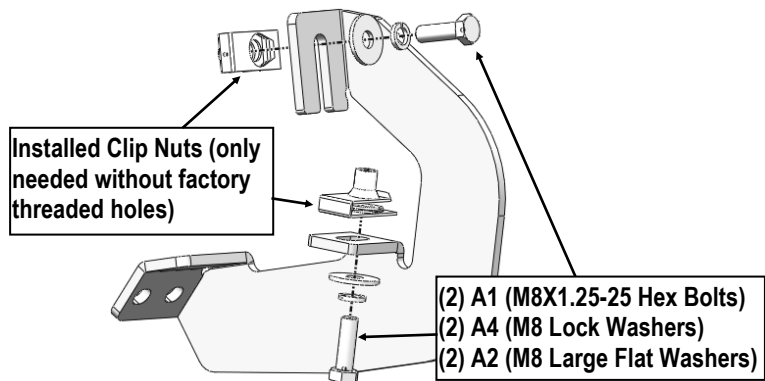
## STEP 3: Driver Side Mounting Brackets Installation

(1) Attach Driver Front Mounting Bracket (**DFM**) to the Clip Nuts and/or the factory threaded holes with (**Fig. 6**):

- (2) A1 (M8X1.25-25 Hex Bolts)
- (2) A4 (M8 Lock Washers)
- (2) A2 (M8 Large Flat Washers)

**Do not fully tighten hardware at this time.**

(2) Repeat to install **DCM** and **DRM** to 2nd and rear mounting locations.



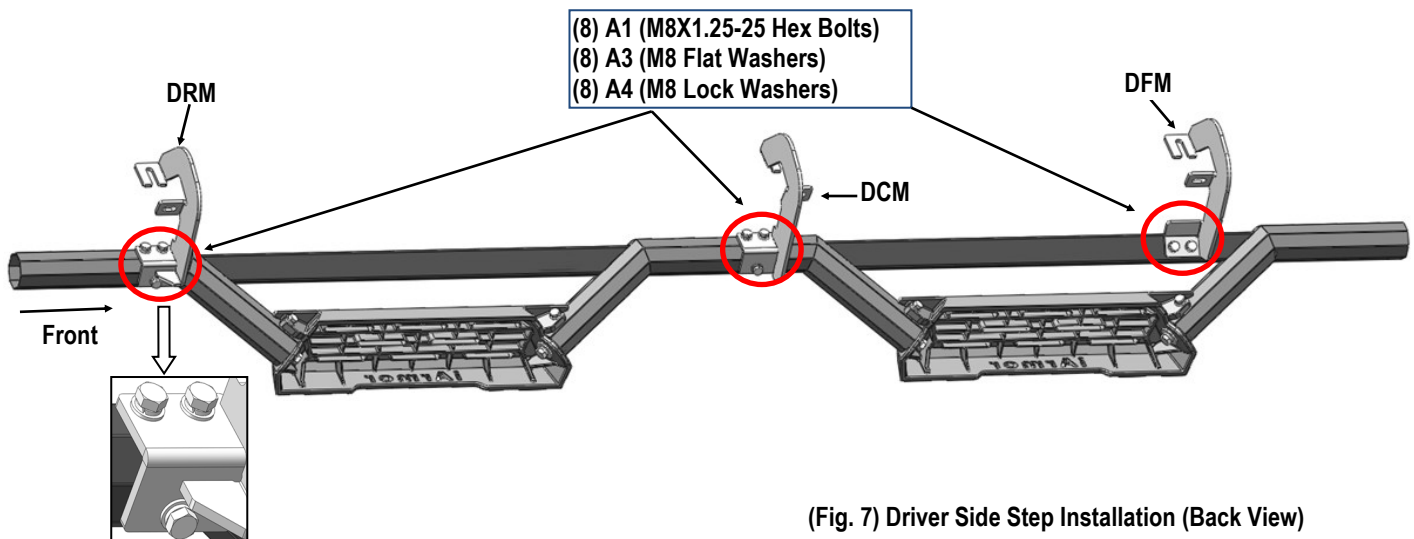
(Fig. 6) Driver Front Mounting Bracket Installation

## 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. 7**):

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

**Do not fully tighten hardware at this time.**



(Fig. 7) 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, (**Figs 8 & 9**).

**(1) Models without DEF tank skip to Step 6.**

**(2) 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 very limited. Determine model year of vehicle before proceeding.

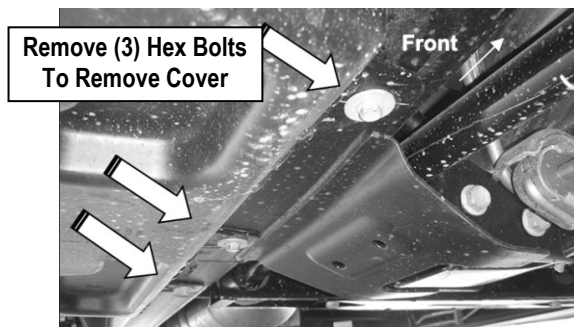
**A) Up to 2016 models:**

It may be easier to drop the tank down to access the inner side of the body panel for the Passenger Side Front Mounting Bracket installation. 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.

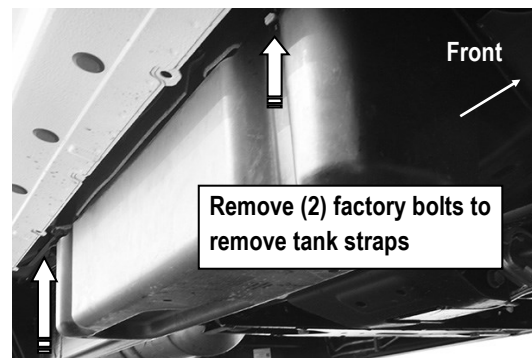
- On models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, (**Fig. 8**), and remove the tray.
- Release the tank filler hose. Release the plug for the sending unit on the top of the tank.
- Support the tank with a floor jack. Place a smooth flat surface, (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.
- Remove the (2) bolts securing the tank straps to the vehicle, (**Fig. 9**). 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 Passenger Front Mounting Bracket.
- Proceed to **Step 6**.

**B) 2017-Up models:**

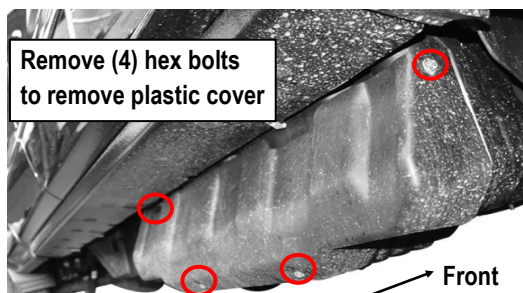
a. Remove the (4) hex bolts attaching plastic cover to DEF tank, (**Fig. 10**) and remove plastic cover, (**Fig. 11**). **NOTE:** On 2017 2500/3500 models, only remove plastic cover from DEF tank. Do not lower DEF tank and proceed to **Step 6**.



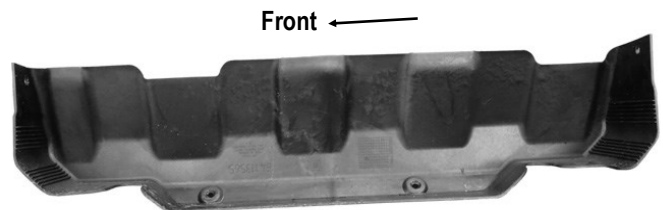
(Fig. 8) 07-16 Passenger Side Front Pictured with DEF Tank Cover



(Fig. 9) 07-16 Passenger Side DEF Tank and Cover



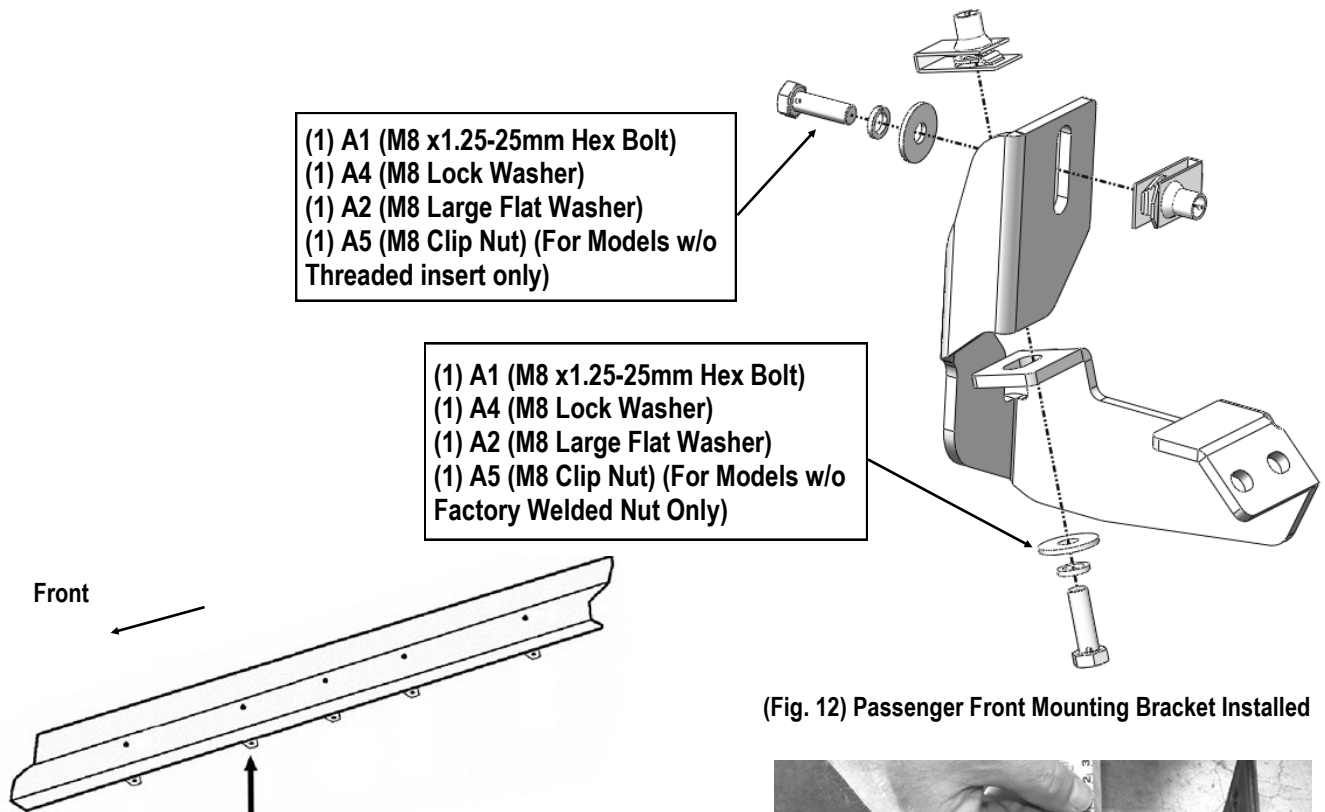
(Fig. 10) 2017-Up Passenger Side Pictured w/DEF tank cover



(Fig. 11) 2017 Passenger Side DEF Cover Removed

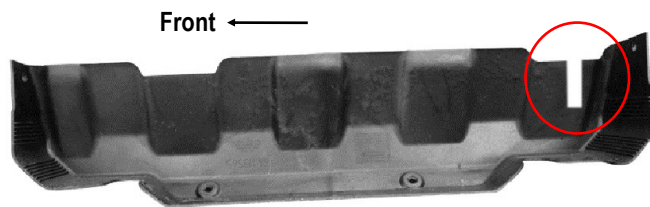
## STEP 6: Install Passenger Side Mounting Bracket

- (1) Install the Passenger Front Mounting Bracket (**PFM**) to the Installed Clip Nuts and/or the factory threaded inserts on Passenger Side Front Mounting Position (**Fig. 12**)
- (2) Repeat **Steps 2&3** to Install the Passenger Center and Rear Mounting Brackets. **Do not fully tighten at this time.**
- (3) **2017-Up 2500/3500 DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), (**Fig. 13**). Hold the DEF cover in place and mark the 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.

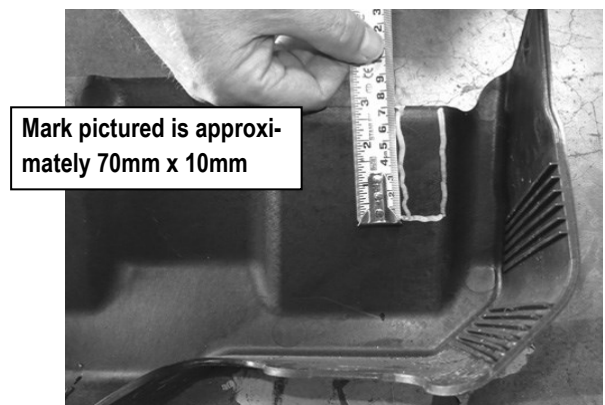


(Fig. 12) Passenger Front Mounting Bracket Installed

(Fig. 13) Passenger Side 2nd Bracket Location from Back of Body Panel



(Fig. 15) 2017-Up Passenger Side DEF Cut for Example Only



(Fig. 14) 2017-Up Passenger Side DEF Cover Marked for Trimming

## STEP 7: Step Bar Adjustment

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

## STEP 8: Tank Reinstallation

Once the Step Bar has been installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **Step 5**.

### 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.