AUTO PARTS SPECIALIST INC

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iBoard® Series

INSTALLATION INSTRUCTIONS

PART#: IB-P071S Y&H

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!

***ROCKER PANEL MOUNT**

***NO DRILLING REQUIRED/CUTTING MAYBE REQUIRED**

Torque Value

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

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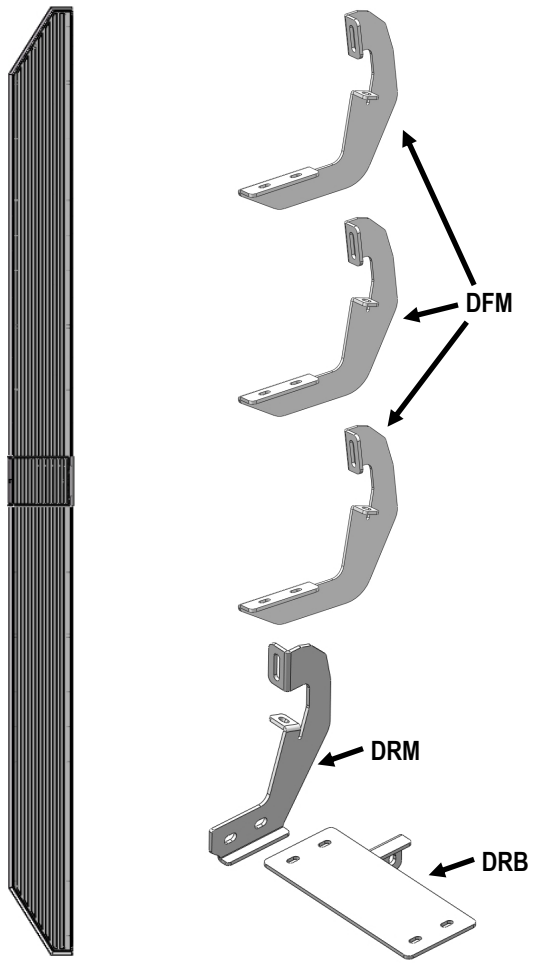
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Mounting Bracket List			
Item	QTY	Bracket Label	Description
1#	5	DFM	Mounting Bracket for Driver Front / Center / Passenger Center
2#	1	DRM	Mounting Bracket for Driver Rear
3#	1	DRB	Bar Bracket for Driver Rear
4#	1	PFM	Mounting Bracket for Passenger Front
5#	1	PRM	Mounting Bracket for Passenger Rear
6#	1	PRB	Bar Bracket for Passenger Rear

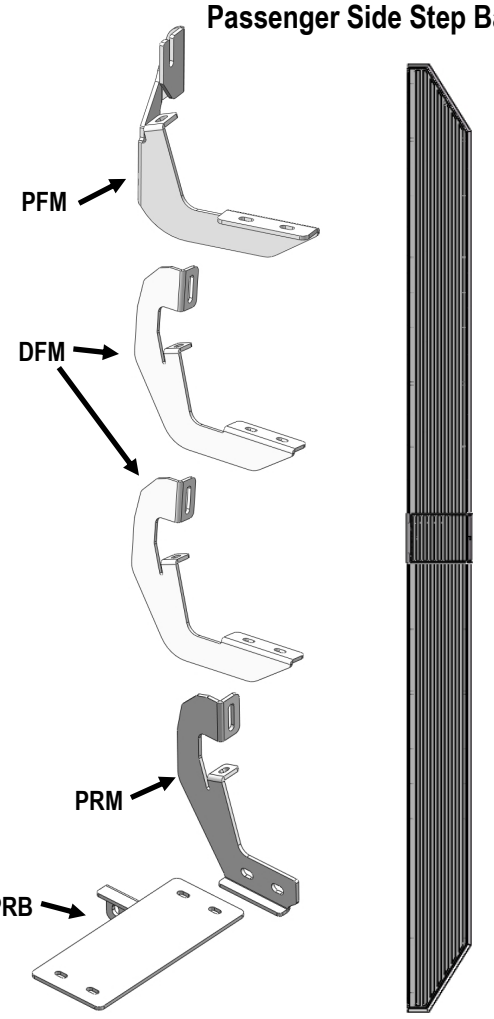
PART LIST

Front

Driver Side Step Bar



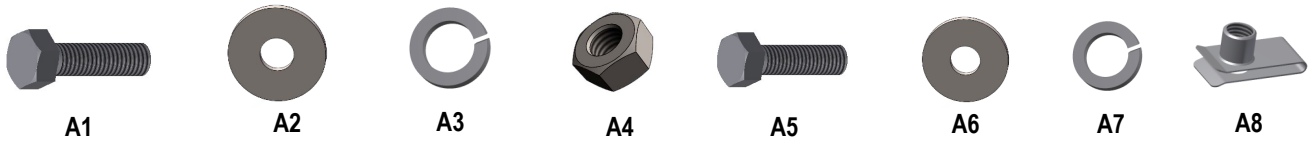
Passenger Side Step Bar



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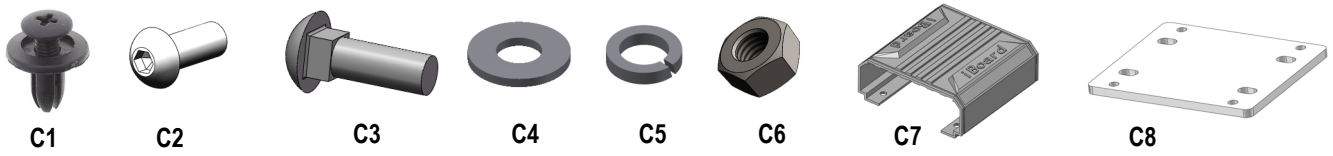
Hardware Package A (For Bracket Installation)					
Item	QTY	Description	Item	QTY	Description
A1	4	M10X1.5-30 Hex Bolts	A5	16	M8X1.25-25mm Hex Bolts
A2	8	M10 Large Flat Washers	A6	16	M8 Large Flat Washers
A3	4	M10 Lock Washers	A7	16	M8 Lock Washers
A4	4	M10 Hex Nuts	A8	16	M8 Clip Nuts



Hardware Package B (For Stainless Steel Step Bar Installation)					
Item	QTY	Description	Item	QTY	Description
B1	20	M8X1.25-35mm Carriage Bolts	B3	20	M8 Nylon Lock Nuts
B2	20	M8 Large Flat Washers	B4	10	Sliders (Packed with Mounting Brackets)



Hardware Package C (For Stainless Steel Step Bar Assembly)					
Item	QTY	Description	Item	QTY	Description
C1	8	Plastic Rivets	C5	12	M8 Lock Washers
C2	8	M8X1.25-25mm Inner Hex Bolts	C6	4	M8 Hex Nuts
C3	4	M8X1.25-25 Carriage Bolts	C7	2	Plastic Covers (Packed with Step Bars)
C4	12	M8 Flat Washers	C8	2	Back Plates (Packed with Step Bars)



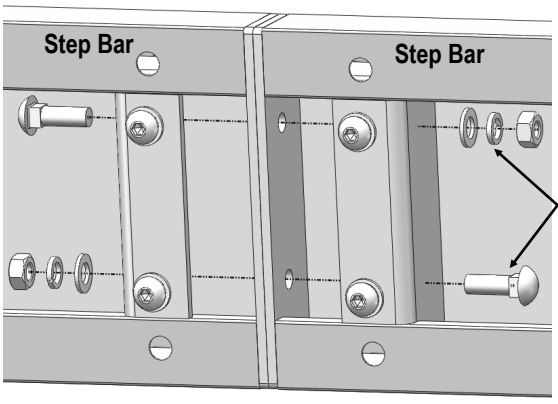
STEP 1: Step Bar Assembly

Step Bar Assembly:

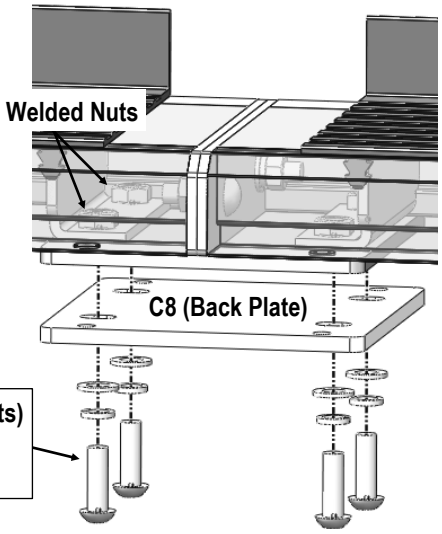
1. Select and assemble (2) Step Bars **(Fig. 1)** with:
   - (2) C3 (M8X1.25-25mm Carriage Bolts)
   - (2) C4 (M8 Flat Washers)
   - (2) C5 (M8 Lock Washers)
   - (2) C6 (M8 Hex Nuts)

NOTE: This kit includes 4 step bar sections. Select 2 matching sections (from different pairs) to assemble one complete step bar.

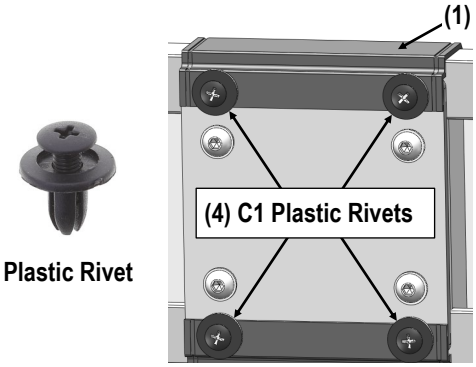
2. Attach (1) C8 (Back Plate) to the bottom of the installed (2) Step Bars **(Fig. 2)** with:
   - (4) C2 (M8X1.25-25mm Inner Hex Bolts)
   - (4) C4 (M8 Flat Washers)
   - (4) C5 (M8 Lock Washers)
3. Install (1) C7 (Plastic Cover) to cover the joint of (2) Step bars with (4) C1 (Plastic Rivets) **(Fig. 3).**
4. Repeat to assemble the other (2) Step Bars.



(Fig. 1) Step Bars Assembly



(Fig. 2) Back Plate Installation



(Fig. 3) Plastic Cover Installation (Bottom View)



Assembled Step Bars

STEP 2: Locate Driver Side Mounting Locations

1. Locate the 4 tabs along the bottom edge of the body, (pinch weld) at driver side of the vehicle **(Fig. 4)**.
2. Directly above each tab is a top mounting location on the side of the body panel. Hold a Bracket up in place to help determine the mounting holes to be used on the body.
3. **Determine the correct procedure for your model / year and each bracket location.**

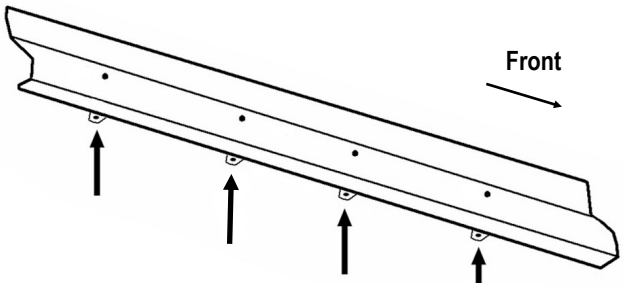
- **Lower mounting location (on the edge of the pinch weld)**:

  ***Flat tab on pinch weld with factory installed weld nut**:*

  Thread M8 Hex Bolt into weld nut from the backside-down to clear paint from threads, **(Fig. 5)**.

  ***Flat tab on pinch weld with hole**:*

  Slide the (1) A8 (M8 Clip Nut) over the tab with the nut facing up behind the tab, **(Figs. 6-8)**. Line up threaded nut with hole in tab. Repeat for each mounting location.



(Fig. 4) Driver Side Mounting Locations

- **Upper mounting location (on the back of the body panel)**:

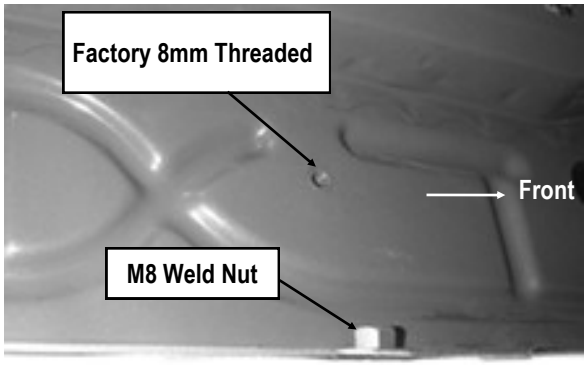
  ***Models with factory installed threaded insert in body panel**:*

  Thread M8 Hex Bolt into threaded insert to clear paint as required, **(Figs. 5 & 8)**.

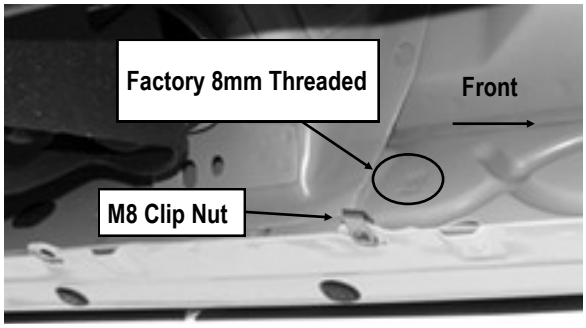
  ***Large and small hole on back side of body panel**:*

  Remove the rubber plug from the larger hole, **(Fig. 7)**.

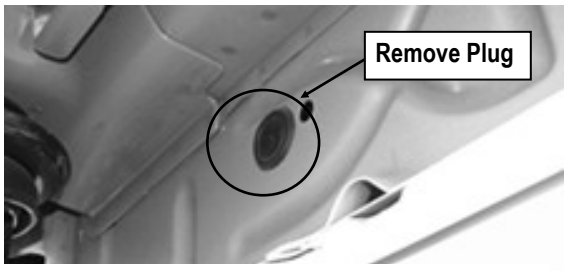
  Slide (1) A8 (M8 Clip Nut) into the larger hole. Line up the threaded nut with the smaller hole, **(Fig. 8)**.



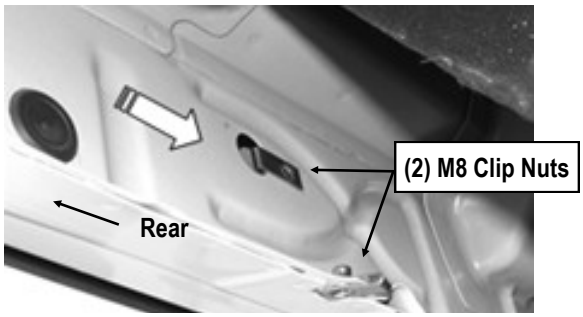
(Fig. 5) Driver Front Mounting Bracket Location



(Fig. 6) Driver Center Mounting Bracket Location



(Fig. 7) Driver Side Center Mounting Location



(Fig. 8) Driver Side Center Mounting Location

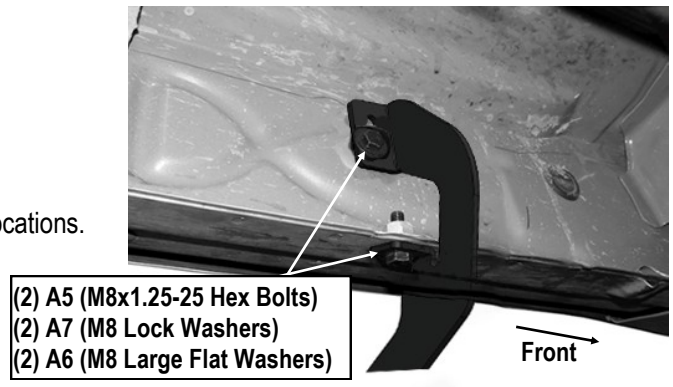
STEP 3: Driver Front Mounting Brackets Installation

(1) Bolt (1) Driver Front Mounting Bracket to the installed M8 Clip Nuts and/or the factory threaded holes on Driver Side Front Mounting Location with **(Fig. 9)** :

- (2) A5 (M8X1.25-25mm Hex Bolts)
- (2) A7 (M8 Lock Washers)
- (2) A6 (M8 Large Flat Washers)

Do not fully tighten the hardware.

(2) Repeat to install remaining **DFMs** to driver side center / center 1 locations.



(Fig. 9) Driver Front Mounting Bracket Installed

STEP 4: Driver Rear Mounting Brackets Installation

(1) Assemble Driver Rear Mounting Bracket **(DRM+DRB)** with: **(Fig. 10A)**

- (2) A1 (M10X1.5-30mm Hex Bolts)
- (4) A2 (M10 Large Flat Washers)
- (2) A3 (M10 Lock Washers)
- (2) A4 (M10 Hex Nuts)

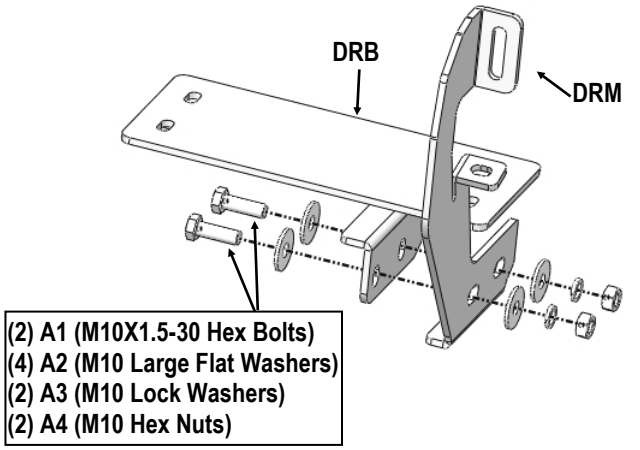
(2) Install the assembled Driver Rear Mounting Bracket with **(Fig. 10B)**:

- (2) A5 (M8 X1.25-25mm Hex Bolts)
- (2) A7 (M8 Lock Washers)
- (2) A6 (M8 Large Flat Washers)

Do not tighten hardware at this time.



(Fig. 10B) Assembled Driver Rear Mounting Bracket Installed



(Fig. 10A) Driver Side Rear Mounting Location

STEP 5: Install Driver Side Step Bar

Once all (4) Driver side mounting brackets are installed, then proceed to the Step Bar installation. (**Figs. 11 & 12**)

(1) Select (1) B4 (Slider) and (2) B1 (M8X1.25-35mm Carriage Bolts);

(2) Install (2) B1 (M8X1.25-35mm Carriage Bolts) in (1) Slider.

(3) Slide the Slider (with carriage bolts) to the **Step Bar.**

(4) Repeat to install the remaining (4) sliders to the step bar.

(5) Attach the Step Bar (with the Sliders) onto the installed mounting brackets. Position the Sliders to the installed brackets. Secure the Step Bar to the installed Brackets **(Fig. 12)** by using:

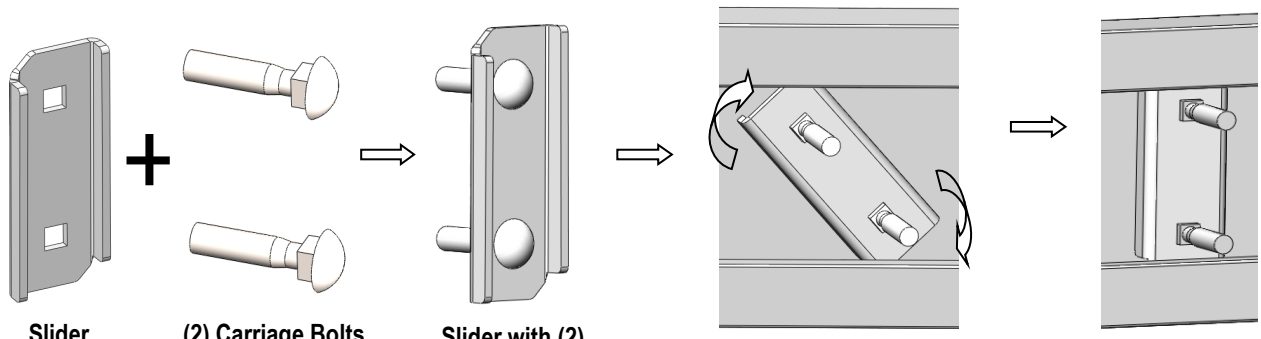
(10) B2 (M8 Large Flat Washers)

(10) B3 (M8 Nylon Lock Nuts)

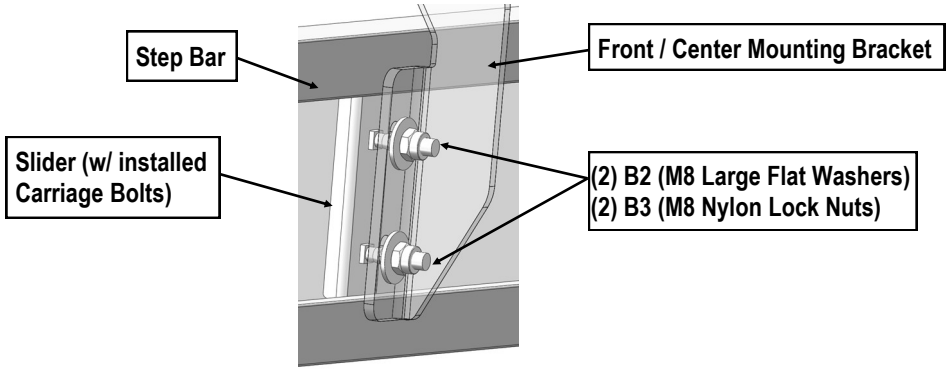
(5) B4 (Sliders)

Note: The Sliders are packed with the Step Bars.

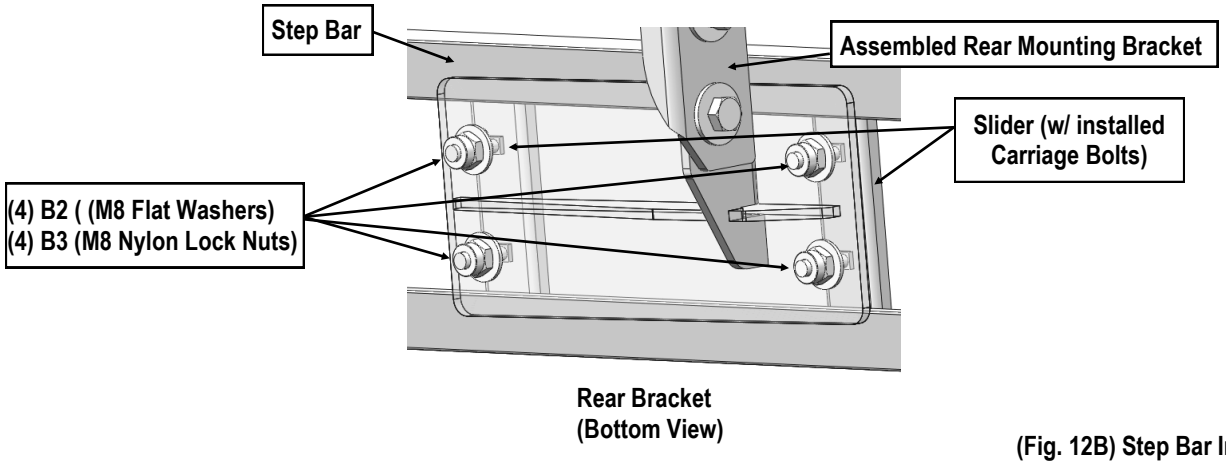
Do not fully tighten hardware at this time.



(Fig. 11) Slider Installation



(Fig. 12A) Step Bar Installation



(Fig. 12B) Step Bar Installation

STEP 6: 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. 13 & 14)**.

Models without DEF tank, skip to Step 7.

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 for 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.

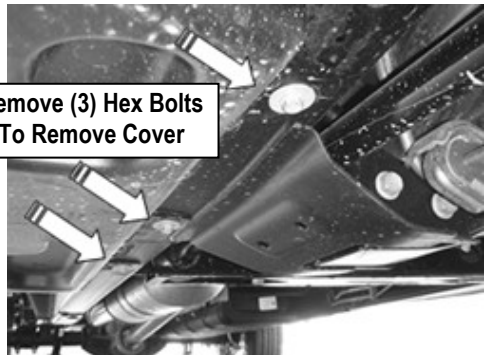
a. **For 07-16 Models:** with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, **(Fig. 13)**, and remove the tray. **For 2017-Up 2500/3500 models**: Remove the (4) hex bolts attaching the plastic cover to DEF tank, **(Fig. 14A)** and remove the plastic cover, **(Fig. 14B)**.

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. 15)**. 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 7.**



(Fig. 13) 07-16 Passenger Side Front With DEF Tank Cover



(Fig. 14A) 2017-Up Passenger Side Pictured With DEF Plastic Tank Cover



(Fig. 14B) 2017 Passenger Side DEF Cover Removed



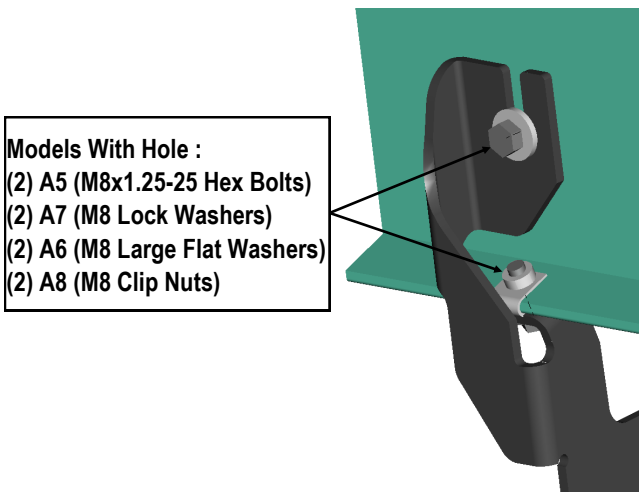
(Fig. 15) 07-16 Passenger Side DEF Tank And Cover

STEP 7: Passenger Side Front Mounting Bracket Installation

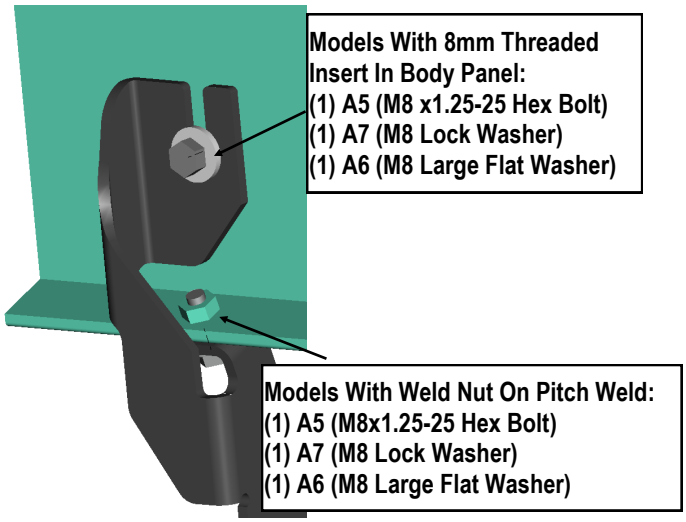
Locate the first tab on the edge of the pinch weld, attach the Passenger Front Mounting Bracket **(PFM)** to the pinch weld and top body panel **(Fig. 16 & 17)**:

a. **Models with flat tab and hole**: see Fig 16. Leave loose at this time.

b. **Models with weld-nut**: see Fig 17. Leave loose at this time.



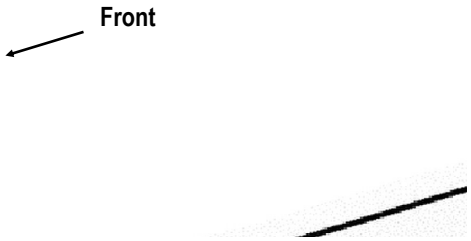
(Fig. 16) Passenger Front Mounting Bracket Installed (example)



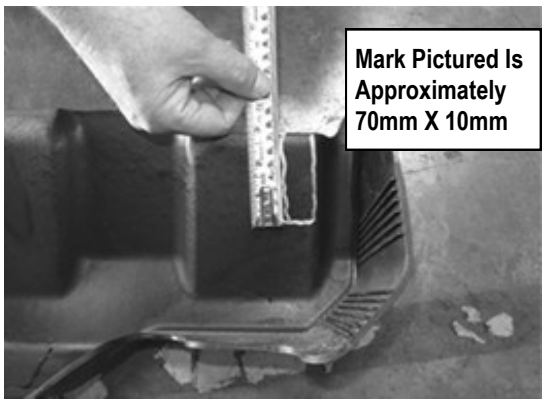
(Fig. 17) Passenger Front Mounting Bracket Installation (Weld Nut If Equipped-Also See Fig. 2)

STEP 8: DEF Cover Cut

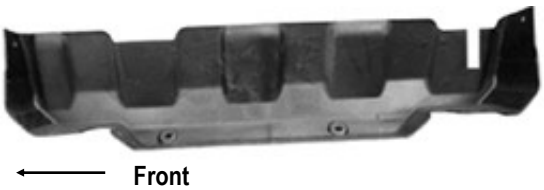
- Repeat **Steps 2-3** for the (2) passenger side Center mounting brackets installations. Repeat **Step 4** for passenger Rear mounting bracket installation.
- **2017-up 2500/3500 DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), **(Fig. 18)**. Hold the DEF cover in place and mark the 2nd Bracket location onto the cover, **(Fig. 19)**. Use a sharp knife or hack-saw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket, **(Fig. 20)**. Remove as little plastic as possible.



(Fig. 18) Passenger 2nd Mounting Bracket Location From Back Of Body Panel



(Fig. 19) 2017-Up Passenger Side DEF Cover Marked For Trimming



(Fig. 20) 17-Up Passenger Side DEF Cut For Example Only

STEP 9: Passenger Side Step Bar Installation

- Repeat **Step 5** for passenger side step bar installation.
- Level and adjust the assembled Step Bar properly.
- Tighten all 8mm hardware with 16-18 ft-lbs torque and 10mm hardware with 31-32 ft-lbs torque.

STEP 10: Tank Reinstallation

Once the Step Bar are installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **Step 6**.

The installation is completed.

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.