AUTO PARTS SPECIALIST INC

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iBoard® Series

INSTALLATION INSTRUCTIONS

PART#: IB-P071L&195L Y&H

BEFORE INSTALLATION

REMOVE ALL 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 MAY BE REQUIRED**

Torque Value

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

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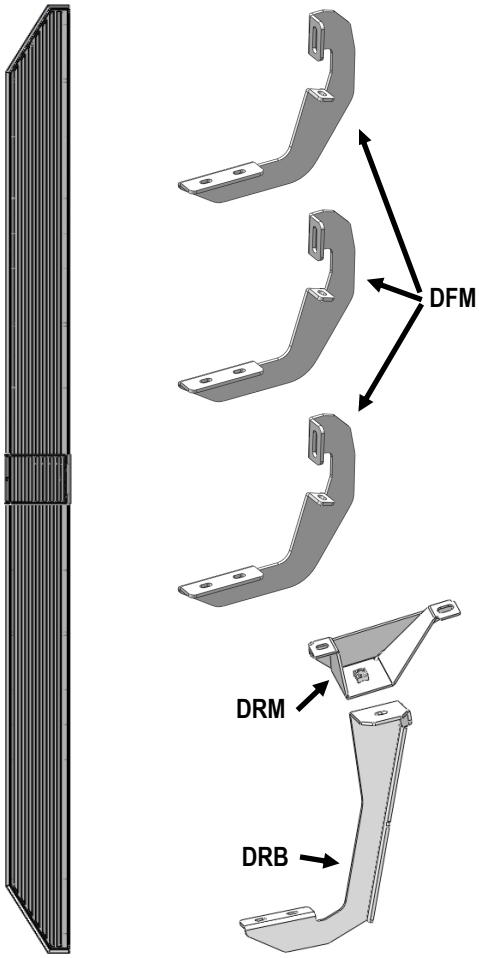
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Mounting Bracket List			
Item	QTY	Bracket Label	Description
1#	5	DFM	Mounting Bracket for Driver Front / Center / Passenger Center
2#	1	DRM	Mounting Bracket for Driver Rear
3#	1	DRB	Bar Bracket for Driver Rear
4#	1	PFM	Mounting Bracket for Passenger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

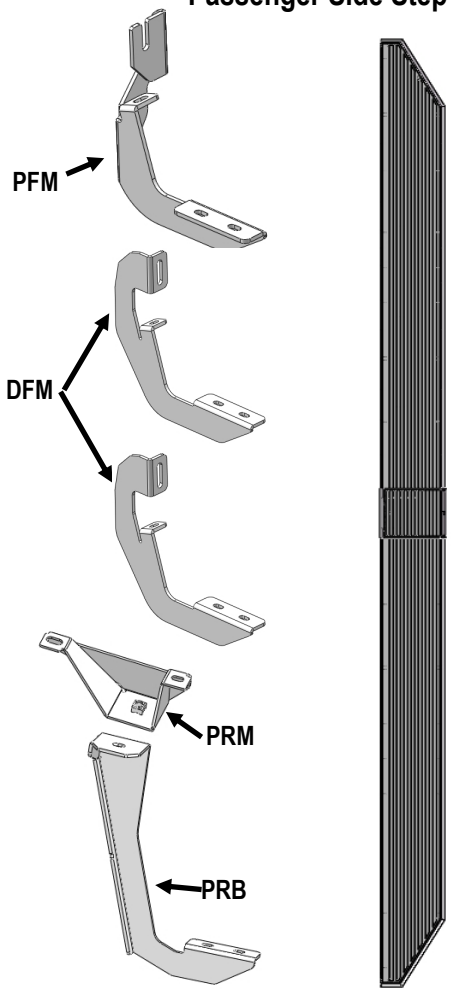
PART LIST

Front

Driver Side Step Bar



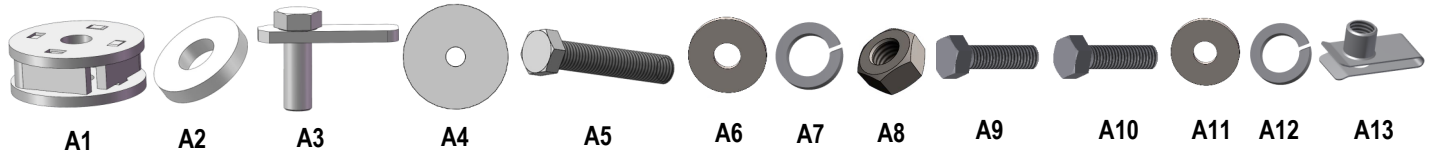
Passenger Side Step Bar



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Hardware Package A (For Bracket Installation)					
Item	QTY	Description	Item	QTY	Description
A1	2	Sleeve Washers	A8	2	M12 Hex Nuts
A2	4	M12 Spacers	A9	2	M8X1.25-35mm Hex Bolts
A3	2	M12X35 Bolt Plates	A10	12	M8X1.25-25mm Hex Bolts
A4	2	M12 Plastic Washers	A11	14	M8 Large Flat Washers
A5	2	M12X1.75-65mm Hex Bolts	A12	14	M8 Lock Washers
A6	4	M12 Flat Washers	A13	12	M8 Clip Nuts
A7	4	M12 Lock Washers			



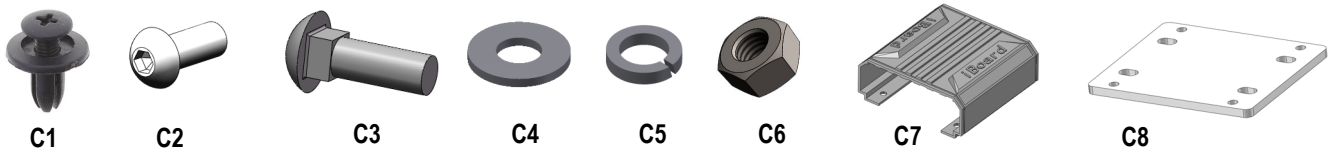
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13

Hardware Package B (For Stainless Steel Step Bar Installation)					
Item	QTY	Description	Item	QTY	Description
B1	16	M8X1.25-35mm Carriage Bolts	B3	16	M8 Nylon Lock Nuts
B2	16	M8 Large Flat Washers	B4	8	Sliders (Packed with Mounting Brackets)



B1 B2 B3 B4

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)



C1 C2 C3 C4 C5 C6 C7 C8

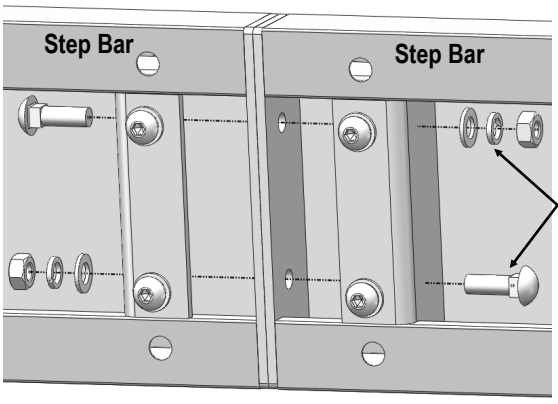
STEP 1: Step Bar Assembly

Step Bar Assembly:

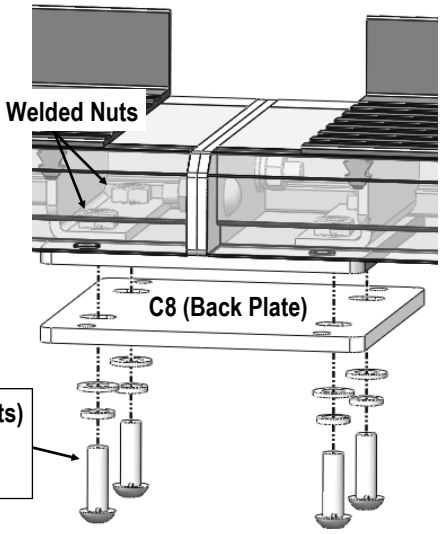
1. Select and assemble (2) Step Bars **(Fig. 1)** with:
   - (2) C3 (M8X1.25-25mm Carriage Bolts)
   - (2) C4 (M8 Flat Washers)
   - (2) C5 (M8 Lock Washers)
   - (2) C6 (M8 Hex Nuts)

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

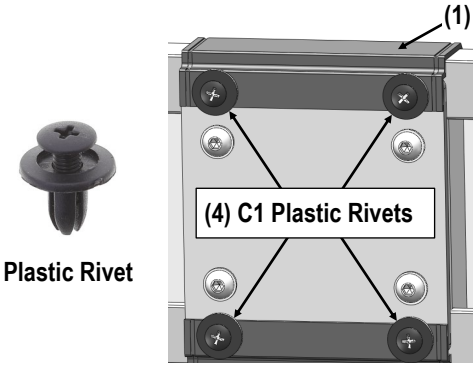
2. Attach (1) C8 (Back Plate) to the bottom of the installed (2) Step Bars **(Fig. 2)** with:
   - (4) C2 (M8X1.25-25mm Inner Hex Bolts)
   - (4) C4 (M8 Flat Washers)
   - (4) C5 (M8 Lock Washers)
3. Install (1) C7 (Plastic Cover) to cover the joint of (2) Step bars with (4) C1 (Plastic Rivets) **(Fig.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



(Fig. 1) Step Bars Assembly



(Fig. 2) Back Plate Installation



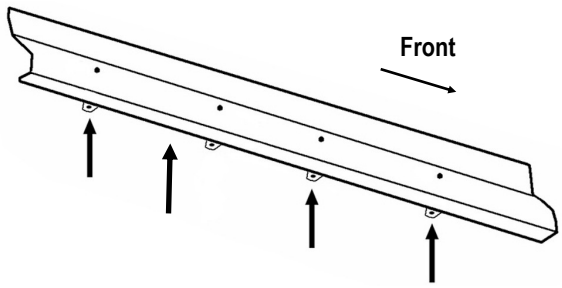
(Fig. 3) Plastic Cover Installation (Bottom View)



Assembled Step Bars

STEP 2: Install Driver Front Mounting Bracket

1. Locate the 4 tabs along the bottom edge of the body, (pinch weld) at driver side of the vehicle.
2. Directly above each tab is a top mounting location on the body panel, **(Fig. 4)**. 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.**



(Fig. 4) Driver Side Mounting Locations

- **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) A13 (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

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

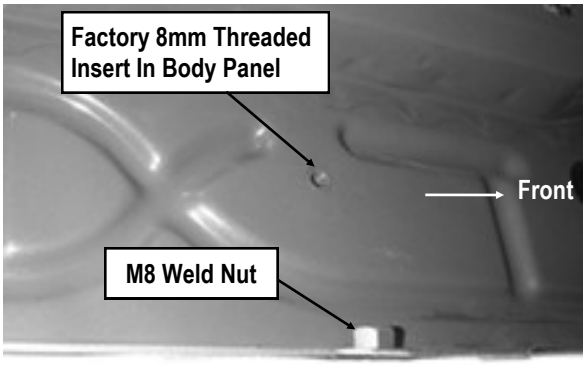
  ***Models with factory installed threaded insert in body panel**:*

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

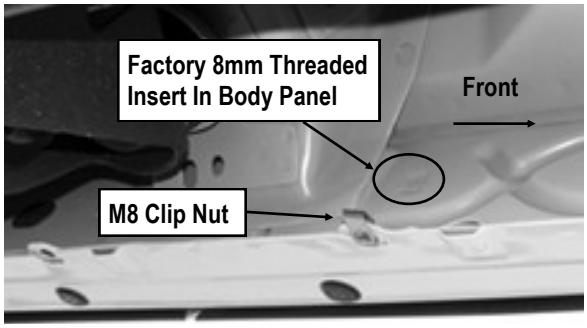
  ***Large and small hole on back side of body panel**:*

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

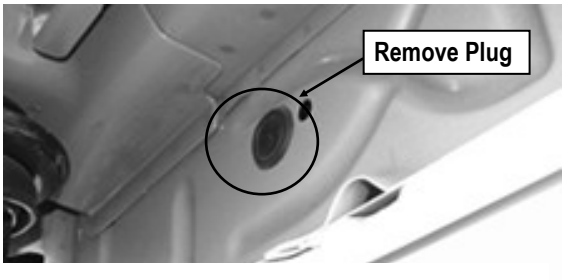
  Slide (1) A13 (M8 Clip Nut) into the larger hole. Line up the threaded nut with the smaller hole, **(Fig. 8)**.



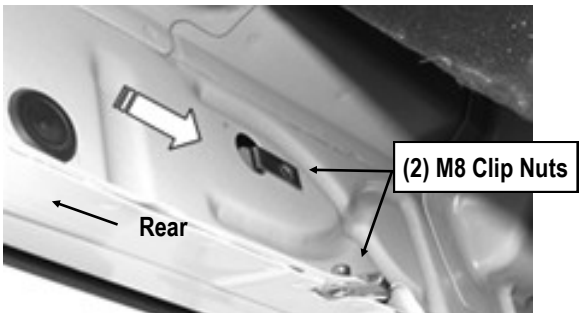
(Fig. 5) Driver Front Mounting Bracket Location



(Fig. 6) Driver Center Mounting Bracket Location



(Fig. 7) Driver Side Center Mounting Location



(Fig. 8) Driver Side Center Mounting Location

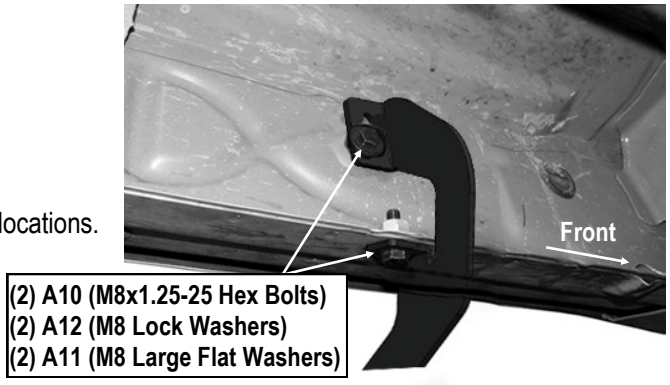
STEP 3: Driver Front Mounting Brackets Installation

(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:

- (2) A10 (M8X1.25-25mm Hex Bolts)
- (2) A12 (M8 Lock Washers)
- (2) A11 (M8 Large Flat Washers), **(Fig. 9).**

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) Move to the driver side rear mounting location, directly behind the cab, underneath the bed locate the beam that mounts the bed to the frame. There will be 2 pre-existing bolts, remove both factory M8 and M12 hardware, **(Fig 10A).**

(2) Select a Driver Rear Mounting Bracket **(DRM)**, bolt the Mounting Bracket with:

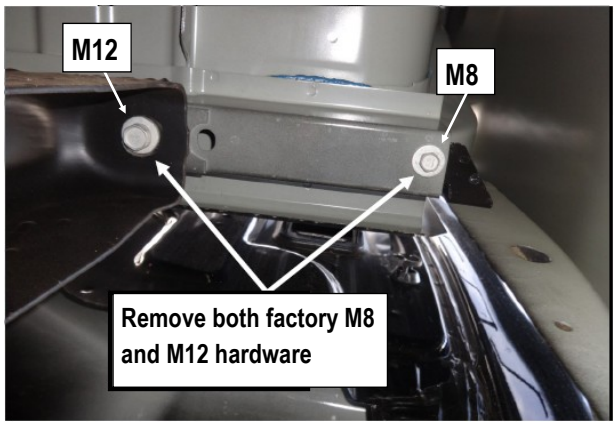
- (1) A9 (M8X1.25-35mm Hex Bolt)
- (1) A12 (M8 Lock Washer)
- (1) A11 (M8 Large Flat Washer)
- (1) A2 (M12 Spacer)

Do not fully tighten hardware at this time.

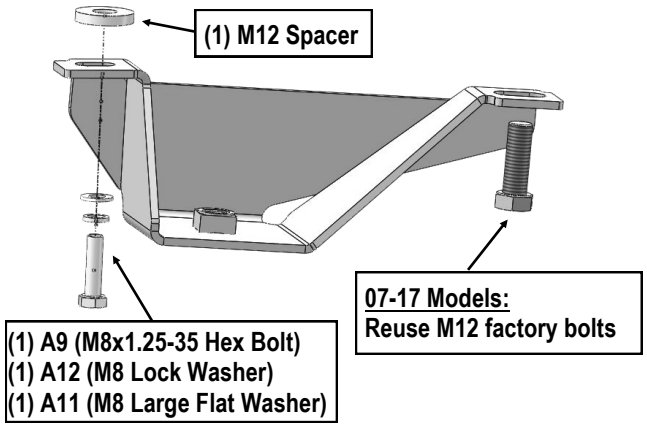
(3) **07-17 Models:** Attach the Driver Rear Mounting Bracket **(DRM)** with Re-used M12 factory bolts, **(Fig. 10B).**

(4) **18-Up Models:** Attach the Driver Rear Mounting Bracket **(DRM)** with **(Fig. 10C)**:

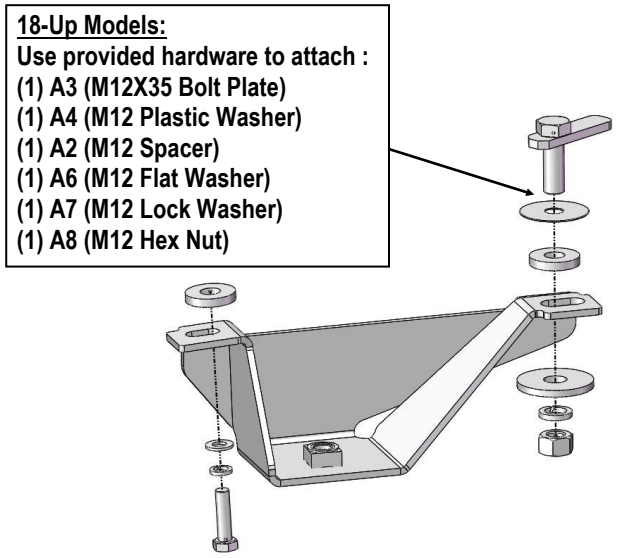
- (1) A3 (M12X35 Bolt Plate)
- (1) A4 (M12 Plastic Washer)
- (1) A2 (M12 Spacer)
- (1) A6 (M12 Flat Washer)
- (1) A7 (M12 Lock Washer)
- (1) A8 (M12 Hex Nut)



(Fig. 10A) Driver Side Rear Mounting Location



(Fig. 10B) Driver Rear Mounting Bracket Installation



(Fig. 10C) Driver Rear Mounting Bracket Installation

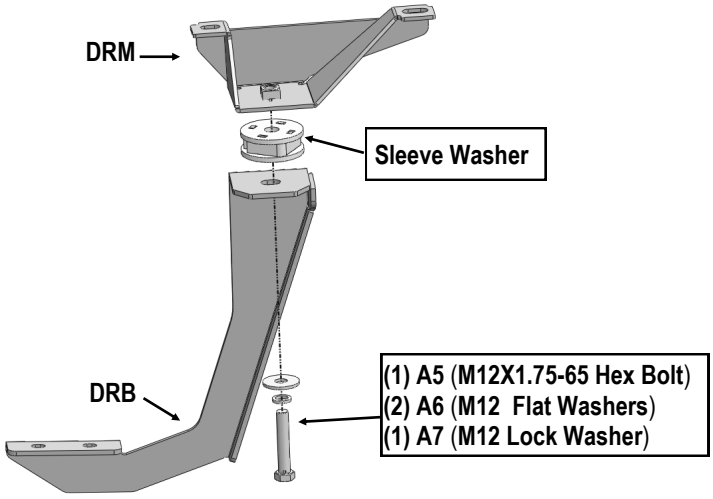
STEP 5: Assemble Rear Mounting Brackets

(1) Assemble Driver Rear Mounting Bracket **(DRM+DRB) (Fig. 11)** with:

- (1) A5 (M12X1.75-65mm Hex Bolt)
- (2) A6 (M12 Flat Washers)
- (1) A7 (M12 Lock Washer)

NOTE: Do not fully tighten hardware at this time.

(2) Repeat to assemble passenger rear mounting bracket **(PRM+PRB).**



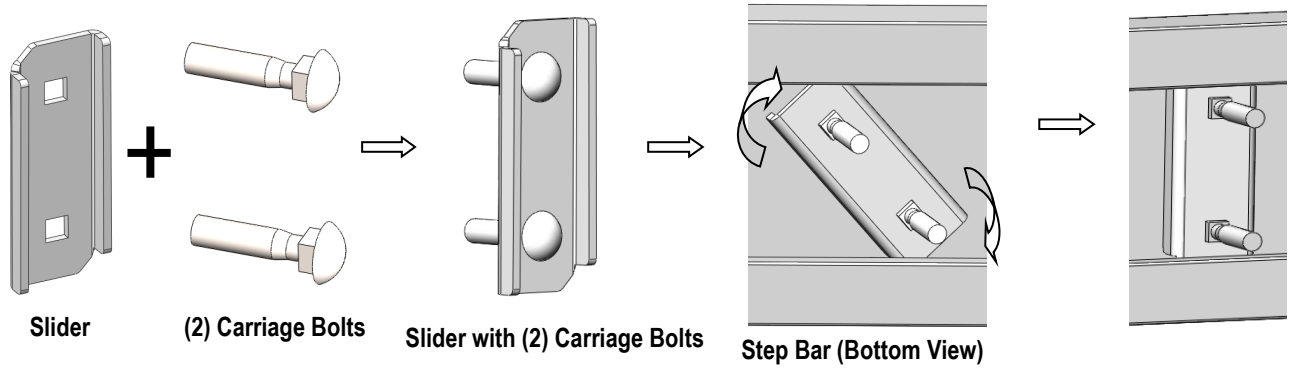
(Fig. 11) Driver Rear Mounting Bracket Assembly

STEP 6: Install Driver Side Step Bar

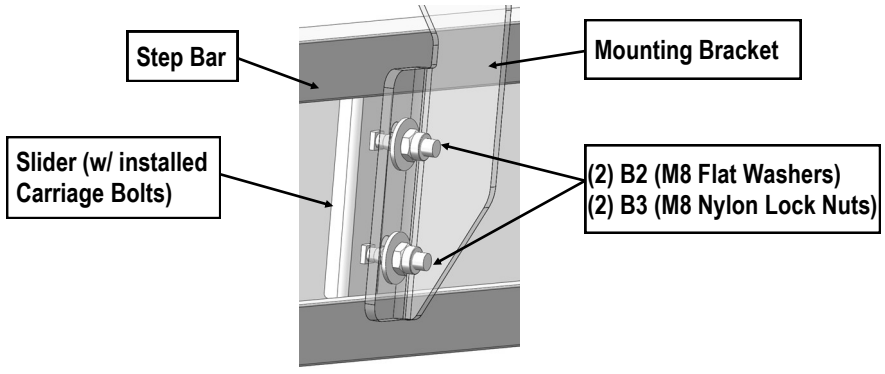
Once all (4) Driver side mounting brackets are installed, then proceed to the Step Bar installation. (**Figs. 12 & 13**)

- Select (1) B4 **(**Slider) and (2) B1 (M8X1.25-35mm Carriage Bolts);
- Install (2) B1 (M8X1.25-35mm Carriage Bolts) in (1) Slider.
- Slide the Slider (with carriage bolts) to the Step Bar.
- Repeat to install the other (3) B4 (sliders) to the step bar.
- 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 by using **(Fig. 13)**:
  - (8) B2 (M8 Flat Washers)
  - (8) B3 (M8 Nylon Lock Nuts)
  - (4) B4 (Sliders)

  Do not fully tighten hardware at this time.
- **Note: The Sliders are packed with the Mounting Bracket.**
- Level and adjust the Step Bar and fully tighten all hardware.



(Fig. 12) Slider Installation



(Fig. 13) Step Bar Installation

STEP 7: 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. 14 & 15)**.

Models without DEF tank, skip to Step 8.

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.

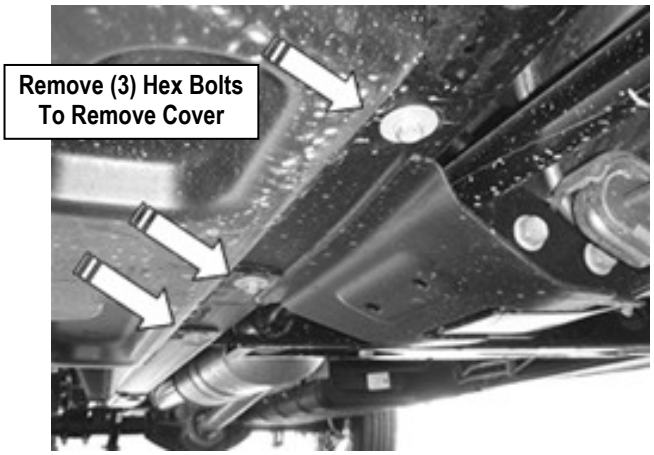
a. **For 07-16 Models:** with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, **(Fig. 14)**, and remove the tray. **For 2017-Up 2500/3500 models**: Remove the (4) hex bolts attaching the plastic cover to DEF tank, **(Fig. 15A)** and remove the plastic cover, **(Fig. 15B)**.

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

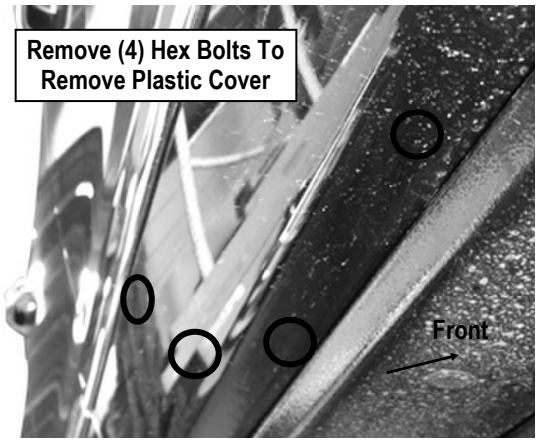
c. Support the tank with a floor jack. Place a smooth flat surface, (wooden block for example), between the floor jack and the tank to avoid damaging the plastic tank. Do not push up on the tank; only support the weight of the tank with the jack.

d. Remove the (2) bolts securing the tank straps to the vehicle, **(Fig. 16)**. 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 8.**



(Fig. 14) 07-16 Passenger Side Front With DEF Tank Cover



(Fig. 15A) 2017-Up Passenger Side With DEF Plastic Tank Cover



(Fig. 15B) 2017 Passenger Side DEF Cover Removed



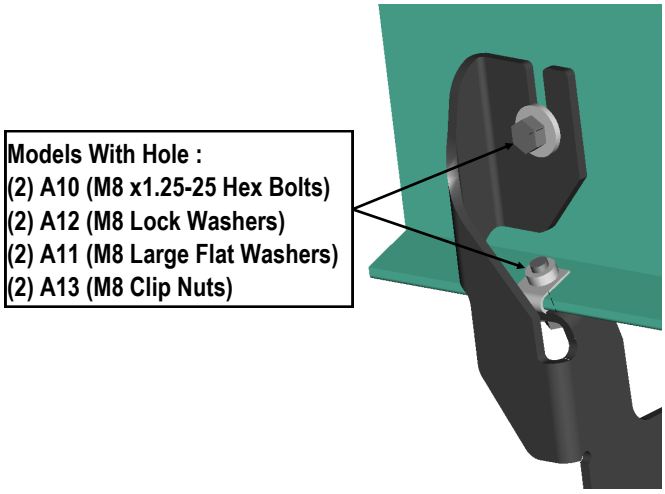
(Fig. 16) 07-16 Passenger Side DEF Tank And Cover

STEP 8: Passenger Side Front Mounting Bracket Installation

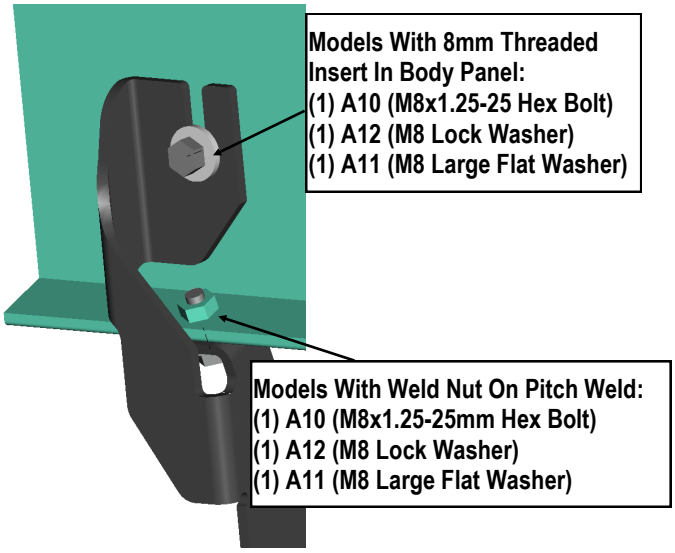
(1) Locate the first tab on the edge of the pinch weld, attach the Passenger Front Mounting Bracket **(PFM)** to the pinch weld and top body panel **(Figs. 17 & 18)**:

a. **Models with flat tab and hole**: see **Fig. 17**. Leave loose at this time.

b. **Models with weld-nut**: see **Fig. 18.** Leave loose at this time.



(Fig. 17) Passenger Front Mounting Bracket Installed (example)

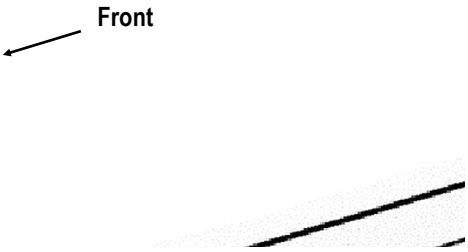


(Fig. 18) Passenger Front Mounting Bracket Installation (Weld Nut If Equipped-Also See Fig. 5)

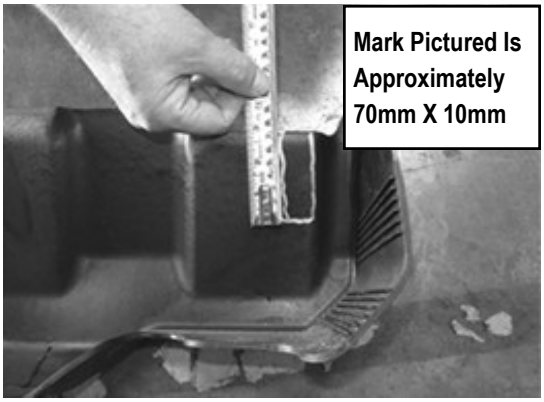
STEP 9 Trim DEF Tank Cover

(1) Repeat **Steps 2-5** as applicable to install passenger side mounting brackets installations.

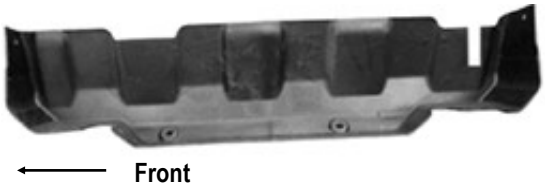
(2) **2017-up 2500/3500 DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), **(Fig. 19)**. Hold the DEF cover in place and mark the 2nd Bracket location onto the cover, **(Fig 20)**. Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket, **(Fig 21)**. Remove as little plastic as possible.



(Fig. 19) Passenger 2nd Mounting Bracket Location From Back Of Body Panel



(Fig. 20) 2017-Up Passenger Side DEF Cover Marked For



(Fig. 21) 17-Up Passenger Side DEF Cut For Example Only

STEP 10: Passenger Side Step Bar Adjustment

- Repeat **Step 6** 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 12mm hardware with 56-58 ft-lbs torque.

STEP 11: Tank Reinstallation

Once the Assembled Step Bar has been installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **Step 7**.

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.