

Installation Instructions for IB03WAI5X/IB03SAI5X

by APS Auto Parts Specialist Inc.

Application:For 2007-2018 Chevy/GMC Silverado/Sierra 1500 Extended Cab/Double Cab 8ft Bed/
2007-2018 Chevy/GMC Silverado/Sierra 2500/3500 Extended Cab/Double Cab 8ft Bed (Incl. Diesel models with DEF tanks)

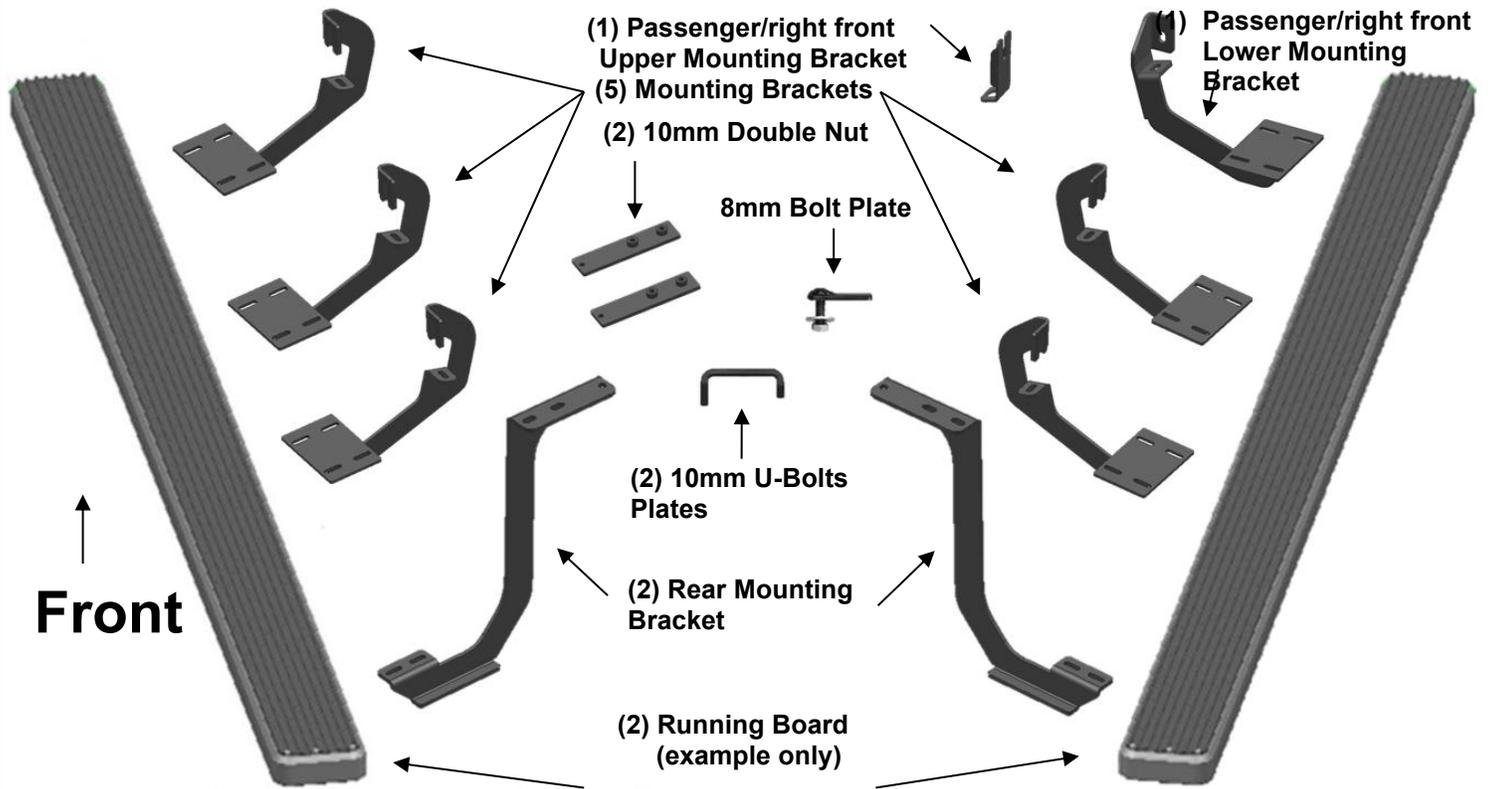
Estimated Time: 1 to 2 hours



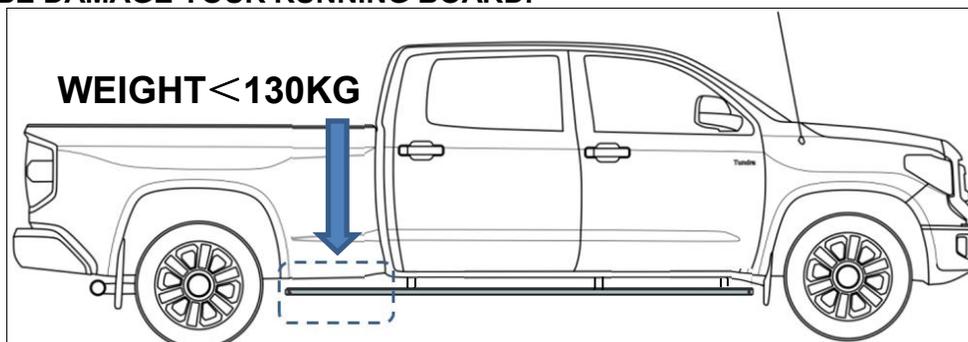
Disclaimer: Instructions intended for persons aged 18+ please do not attempt without adult supervision. Instructions are not intended to replace professional installation. Damage from improper installation, misuse or modification to the product voids the manufacturer's warranty.

PARTS LIST:

Item	Qty	Description	Item	Qty	Description
#1	2	Running Board(use for left or right)	#12	1	M8 Bolt Plate
#2	5	Mounting Brackets(use for left or right)	#13	2	M10 U-Bolts Plates
#3	1	Driver Rear Mounting Bracket(DRM)	#14	2	M10 Double Nuts
#4	1	Passenger Rear Mounting Bracket(PRM)	#15	4	M10X1.5 Nylon Lock Nuts
#5	1	Passenger/right front Upper Mounting Bracket (PFS)	#16	4	M10X1.5 - 30mm Hex Bolts
#6	1	Passenger/right front Lower Mounting Bracket (PFM)	#17	4	M10 Lock Washers
#7	13	M8X1.25 - 25mm Hex Bolts	#18	4	10mm x 27mm OD x 3mm Flat Washers
#8	13	8mm x 24mm x 2mm Flat Washers	#19	28	M6X1 - 20mm T-Bolts
#9	13	M8 Lock Washers	#20	28	6mm x 22mm x 2mm Flat Washers
#10	1	M8 Nylon Lock Nut (use w-bolt plate)	#21	28	M6 Nylon Lock Nuts
#11	11	M8X1.25 Clip-On Nuts			



IMPORTANT ALERT: FOR WHEEL TO WHEEL APPLICATION, WEIGHT TO THE REAR END AREA OF THE RUNNING BOARD BEHIDE THE LAST BRACKET NEED TO LESS THEN 130KG.OVERWEIGHT IN THIS AREA MAYBE DAMAGE YOUR RUNNING BOARD.



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. ON MODELS WITH DEF TANK, SELECT A FLAT, LEVEL AREA FOR INSTALLATION.

1. Start the installation under the driver side of the vehicle. Locate the 4 tabs along the bottom edge of the body, (pinch weld). Cab Mounting Brackets will bolt to the 1st, 2nd, (just in front of center of cab), and 4th mounting tabs, **(Figure 1)**. 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 use along the body.
2. Determine the correct procedure for your model year and each Bracket location.

Bottom mounting location on the edge of the pinch weld.

Flat tab on pinch weld with factory installed weld nut:

Thread hex bolt into weld nut from the backside-down to clear paint from threads, **(Figure 2)**.

Flat tab on pinch weld with hole:

Select (1) M8 Clip Nut. Slide the Clip Nut over the tab with the nut facing up behind the tab, **(Figures 3 - 5)**. Line up threaded nut with hole in tab. Repeat for each mounting location.

Top mounting location on the side 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, **(Figures 2 & 3)**.

Large and small hole in side of body panel:

Remove the rubber plug from the larger hole, **(Figure 4)**. Select (1) M8 Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole, **(Figure 5)**.

3. Select (1) Cab Mounting Bracket. **NOTE:** (5) Cab Brackets are universal and will fit left or right side. Bolt (1) Bracket to the Clip Nuts and/or the factory threaded holes with (2) M8 Hex Bolts, (2) M8 Lock Washers and (2) M8 Flat Washers, **(Figures 6 & 7)**. Snug but do not fully tighten the hardware.
4. Repeat **Steps 1 - 3** to install the (2) remaining driver side Cab Brackets.
5. Move toward the bed along the side of the vehicle to just in front of the rear wheel opening. Locate the reinforcement channel welded to the bottom of the bed, **(Figures 8, 9B, 10 & 11)**. Select the appropriate installation for your year and/or model.

Determine if the end of the channel is open or filled with a factory reinforcement welded into the end, **(Figures 8, 9B & 10)**.

Models with open channel, (Figures 8 & 9B):

- a. Select (1) Double Nut Plate, **(Figure 9A)**. Insert the flat end of the Nut Plate into the open end of the channel. Line up the threaded hole and welded nut with the holes in the bottom of the channel, **(Figures 8 & 9B)**. **NOTE:** Nut Plate has (2) welded hex nuts to fit early, (long bed support-**Figure 8**), and late, (short bed support-**Figure 9B**), model years. Line up the welded nut with the correct hole in the outer end of the bed support.
- b. Select (1) Rear Mounting Bracket, **(Figure 13)**. Bolt the Bracket to the bottom of the channel and the Nut Plate with (2) M10 x 30mm Hex Bolts, (2) M10 Lock Washers and (2) M10 Flat Washers, **(Figure 14)**. Remaining hole in the Nut Plate and Bracket will not be used. Leave hardware loose.

Models with welded-in factory reinforcement, (Figure 10):

- a. Locate the blocked off hole toward the end of the channel, **(Figure 10)**. Drill a 1/2" hole through the channel, **(Figure 11)**. **IMPORTANT:** Do not drill through bottom of truck bed.
- b. Insert the shorter end of the (1) 10mm U-Bolt into the hole closest to the frame mount and out the outer drilled hole, **(Figures 12A & 12B)**.
- c. Select (1) Rear Mounting Bracket, **(Figure 13)**. Attach the Bracket to the bottom of the channel and U-Bolt with (2) M10 Flat Washers, (2) M10 Lock Washers and (2) M10 Hex Nuts, **(Figure 15)**. Leave hardware loose at this time.

6. Select a Running Board. Slip (14) M6 T-bolts into each bottom channel(**Figure 27**). Carefully position the Running Board onto the (4) Mounting Brackets. **IMPORTANT:** Do not slide, (front to back), the Running Board on the Brackets or damage to the finish may result. Attach the Running Board to the Mounting Brackets with (14) M6 T-bolts,(14) M6 flat washers and (14) M6 nylon lock nuts **(Figures 28 & 29)**. Do not tighten at this time.

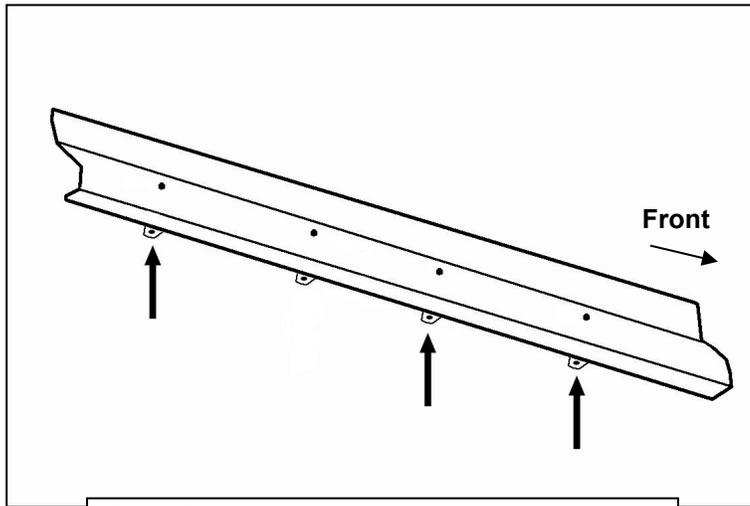
7. Level and adjust the Running Board and tighten all hardware.
8. Move to the passenger side of the vehicle. On the passenger side, determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank, **(Figures 16 & 17)**.
 - Models without DEF tank, skip to Step 9.**
 - Models with DEF tank:** The tank sits close to the side of the body. With specialized tools, the passenger front upper and lower 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 upper 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 and vehicle is on hard, level ground 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, **(Figure 16)**. **2017 2500/3500 models:** Remove the (4) hex bolts attaching the plastic cover to DEF tank, **(Figure 17A)** and remove plastic cover, **(Figure 17B)**.
 - 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, **(Figure 18)**. 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 Upper and Lower Brackets.
9. Locate the first tab on the edge of the pinch weld, **(Figures 2 - 4, 20 & 21B)**. Select the Upper Bracket, **(Figure 19)**. Repeat **Steps 2 & 3** to attach the passenger front Upper Bracket to the side of the body panel, **(Figure 20)**. Do not tighten hardware at this time.
10. Line up the hole in the bottom of the Upper Bracket with the hole in the tab on the pinch weld.
 - a. **Models with a weld-nut:** Slide the Bracket over the weld-nut, **(Figure 20)**. Attach the Lower Bracket to the bottom of the body and weld-nut with (1) M8 x 25mm Hex Bolt, (1) M8 Lock Washer and (1) M8 Flat Washer, **(Figures 25 & 26)**. Leave loose at this time.
 - b. **Models with flat tab and hole:** Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab, **(Figures 21A & 21B)**. Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) M8 Flat Washer and (1) M8 Nylon Lock Nut, **(Figures 25 & 26)**. Leave loose at this time.
11. Line up the side tab on the Lower Bracket with the threaded hole in the side of the Upper Bracket. Attach the Lower Bracket to the Upper Bracket with (1) M8 x 25mm Hex Bolt, (1) M8 Lock Washer and (1) M8 Flat Washer, **(Figures 25 & 26)**. Leave loose at this time.
12. Repeat **Steps 1 - 3** for the (2) remaining passenger side cab Bracket installations.
 - a. **2017 2500/3500 DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), **(Figure 22)**. Hold the DEF cover in place and mark the 2nd Bracket location onto the cover, **(Figure 23)**. Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket, **(Figure 24)**. Remove as little plastic as possible.
13. Repeat the appropriate **Step 5** to install (1) Rear Mounting Bracket on the passenger side.
14. Repeat **Steps 6 & 7** to install the passenger Running board, **(Figure 27 - 29)**.
15. Once the Running board are installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **Steps 8 & 12**.
16. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

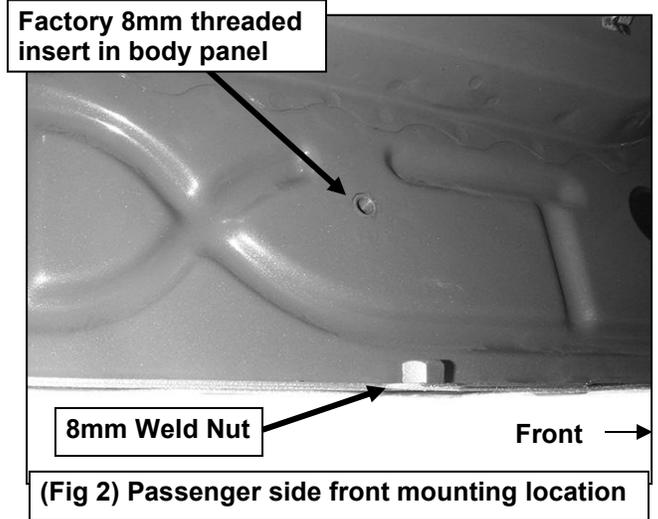
For Polished Finishes: Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Running Board.

For Black Finishes: Mild soap may be used to clean the Running Board.

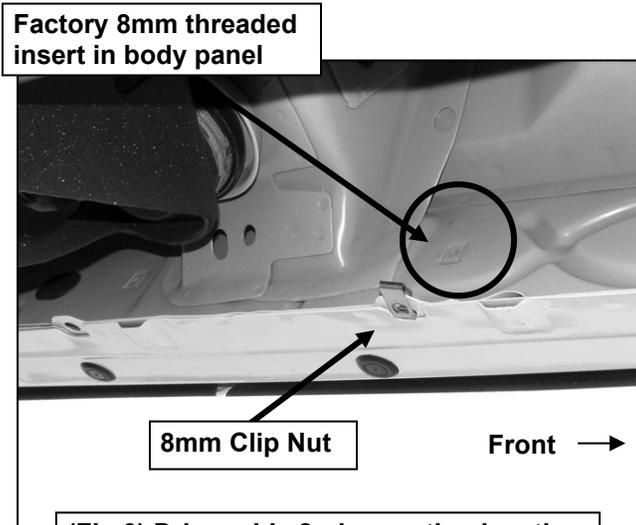
Driver/left Installation Pictured



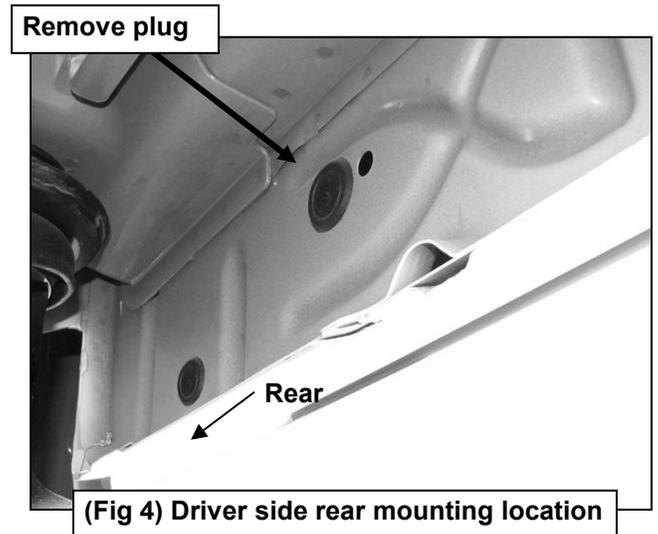
(Fig 1) Driver side (3) cab mounting locations



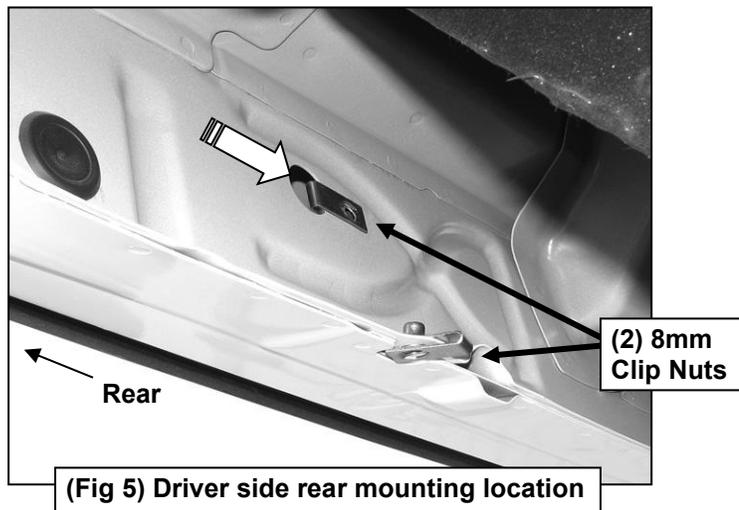
(Fig 2) Passenger side front mounting location



(Fig 3) Driver side 2nd mounting location

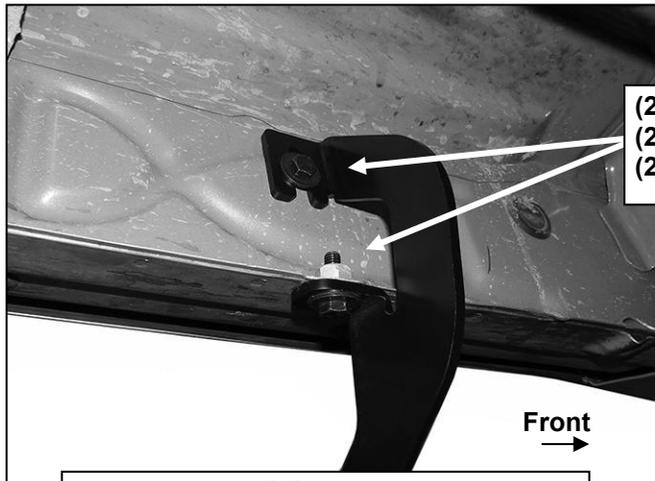


(Fig 4) Driver side rear mounting location



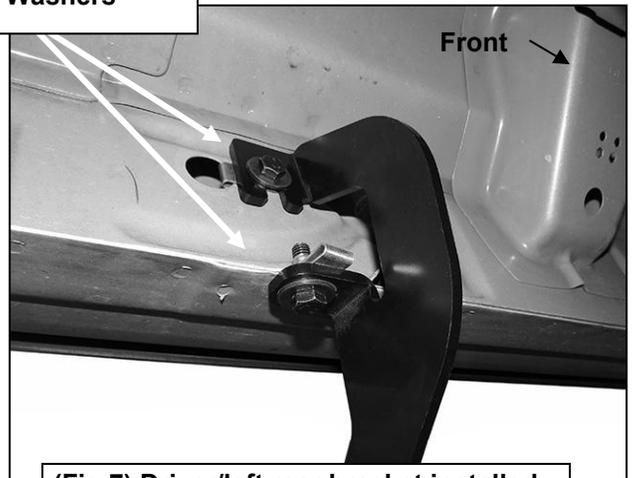
(Fig 5) Driver side rear mounting location

Driver/Left Side Installation Pictured

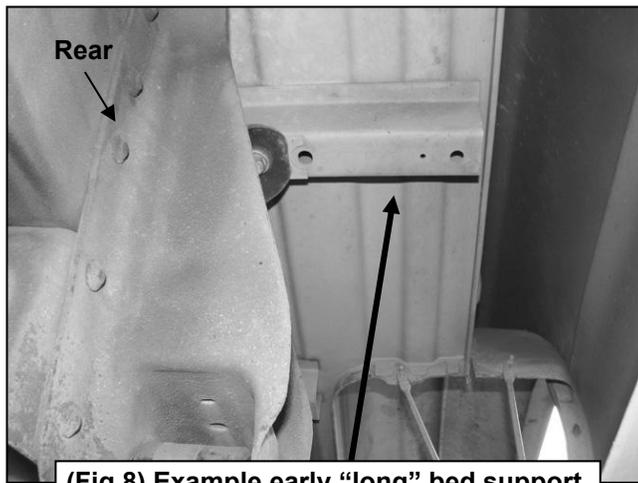


(Fig 6) Driver/left front bracket installed

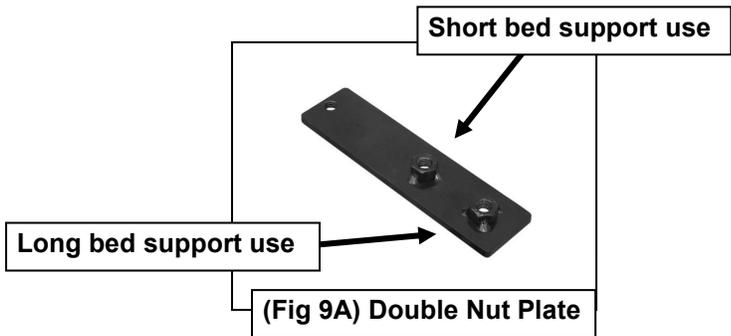
- (2) 8mm x 25mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers



(Fig 7) Driver/left rear bracket installed

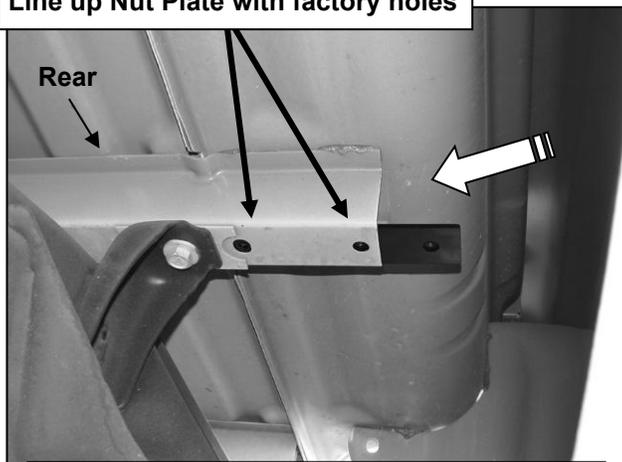


(Fig 8) Example early "long" bed support



(Fig 9A) Double Nut Plate

Line up Nut Plate with factory holes



(Fig 9B) Late "short open end" bed support

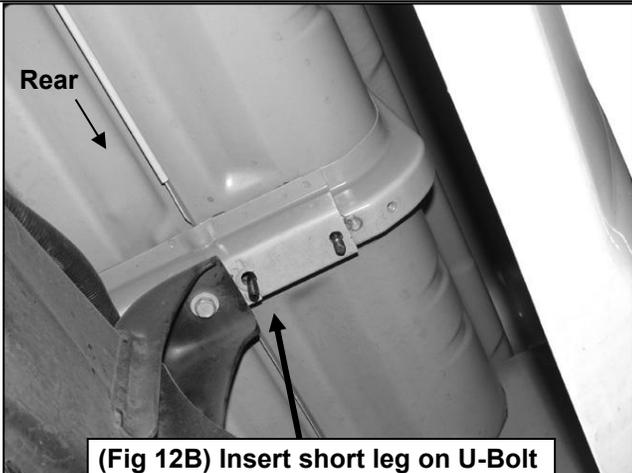


(Fig 10) Late "short closed end" bed support

Driver/Left Side Installation Pictured



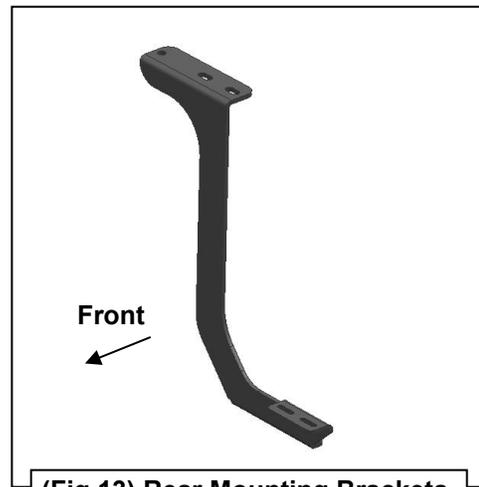
(Fig 11) Use 1/2" drill bit to open blocked off hole in bed support. Do not drill through bottom of bed



(Fig 12B) Insert short leg on U-Bolt into one hole and back out other



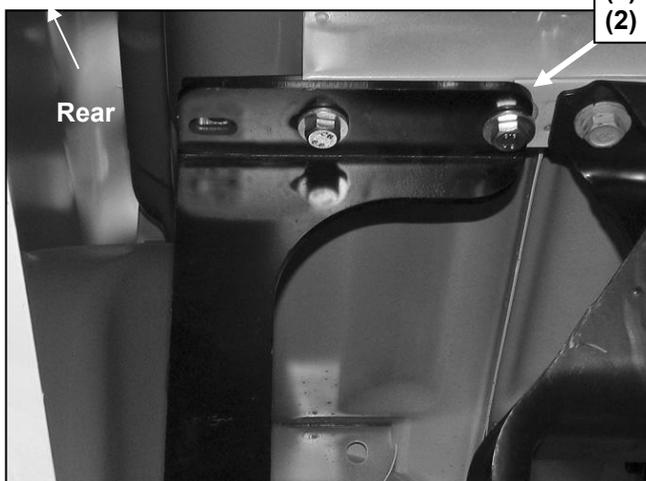
(Fig 12A) 10mm U-Bolt



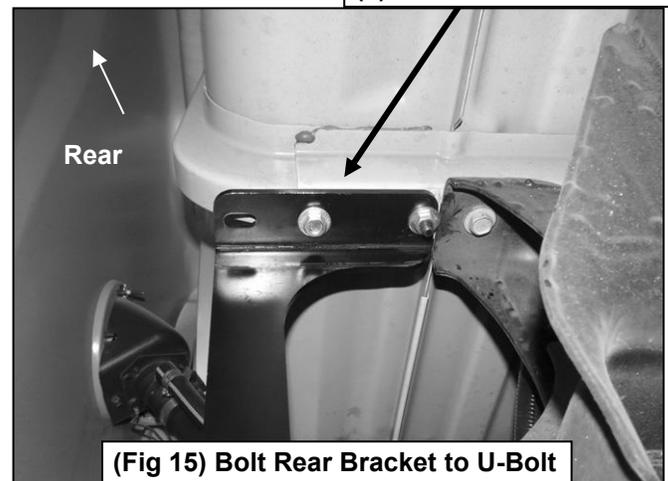
(Fig 13) Rear Mounting Brackets

- (2) 10mm x 30mm Hex Bolts
- (2) 10mm Lock Washers
- (2) 10mm Flat Washers

- (2) 10mm Flat Washers
- (2) 10mm Lock Washers
- (2) 10mm Hex Nuts

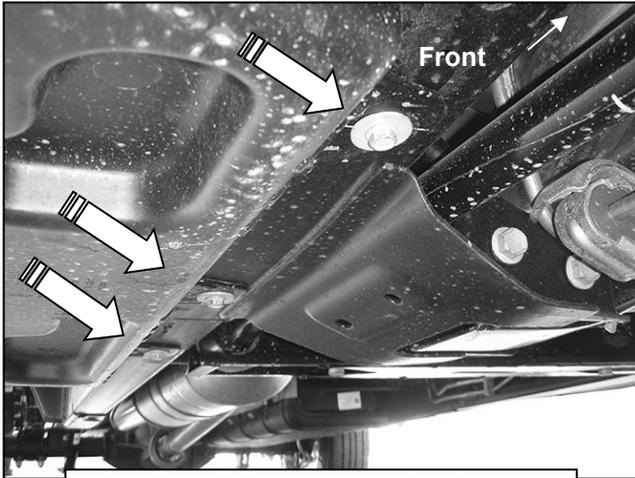


(Fig 14) Bolt Rear Bracket to Double Nut Plate

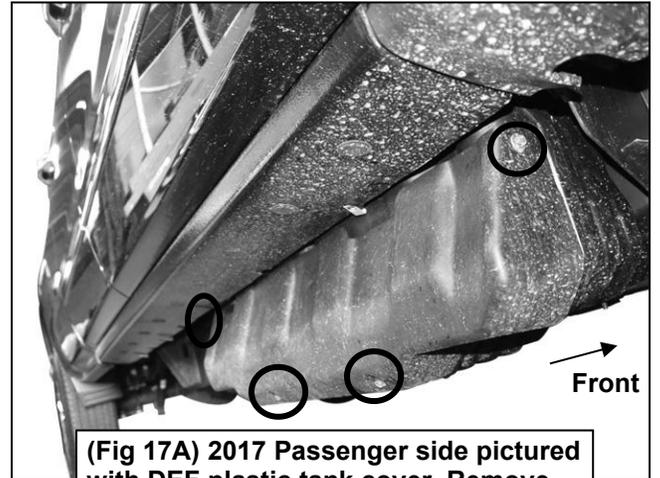


(Fig 15) Bolt Rear Bracket to U-Bolt

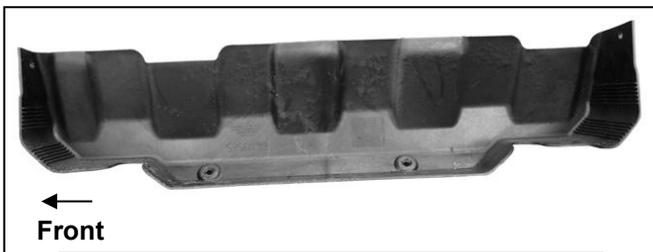
Passenger/right Side Installation Pictured



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

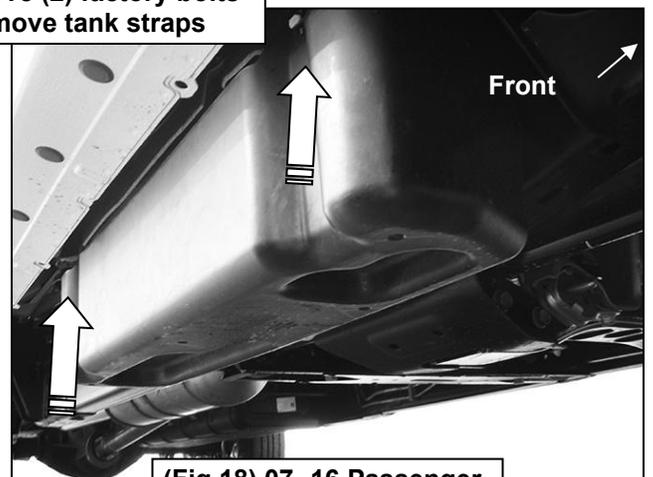


(Fig 17A) 2017 Passenger side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



(Fig 17B) 2017 Passenger side DEF

Remove (2) factory bolts to remove tank straps

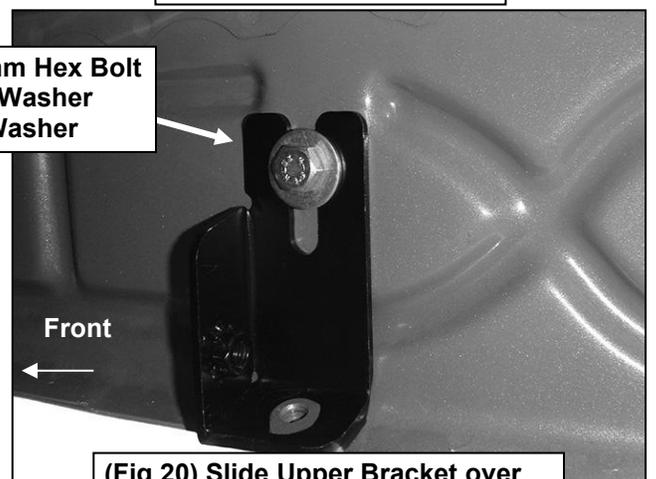


(Fig 18) 07- 16 Passenger side DEF tank and cover



(Fig 19) Passenger/right Front Upper Mounting Bracket (all models)

**8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer**



(Fig 20) Slide Upper Bracket over weld nut (if equipped-see Figure 2)

Passenger/Right Side Installation Pictured



(Fig 21A) 8mm x 35mm Bolt Plate

On models with flat tab (see Fig. 3 & 4) insert 8mm Bolt Plate (Fig 21A) down through Upper Bracket and mounting tab

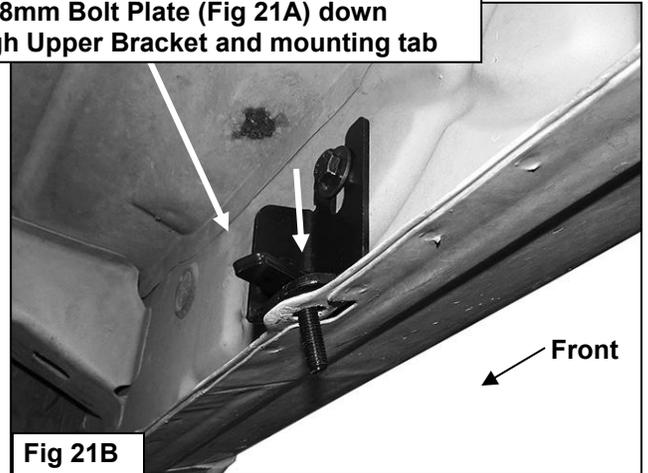
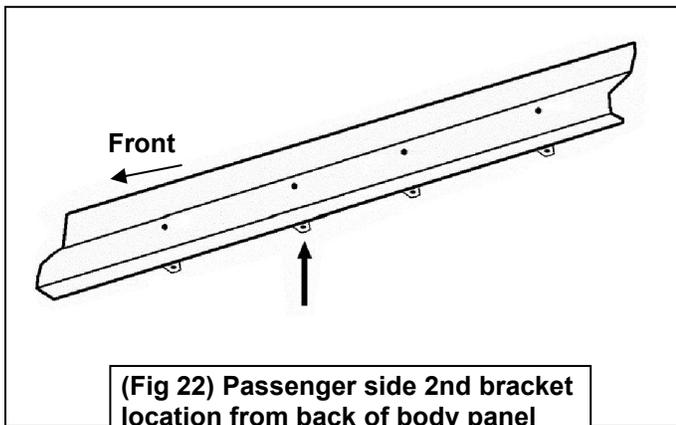


Fig 21B



(Fig 22) Passenger side 2nd bracket location from back of body panel



mark pictured is approximately 70mm x 10mm

(Fig 23) 2017 Passenger side DEF cover marked for trimming



(Fig 24) 2017 Passenger side DEF cut for example only

Passenger/Right Side Installation Pictured



(Fig 25) Passenger/right Front Lower Mounting Bracket

On models with flat tab and 8mm Bolt Plate (see Fig. 21B) use:
8mm Flat Washer
8mm Nylon Lock Nut
to attach Lower Bracket to Bolt Plate

8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer

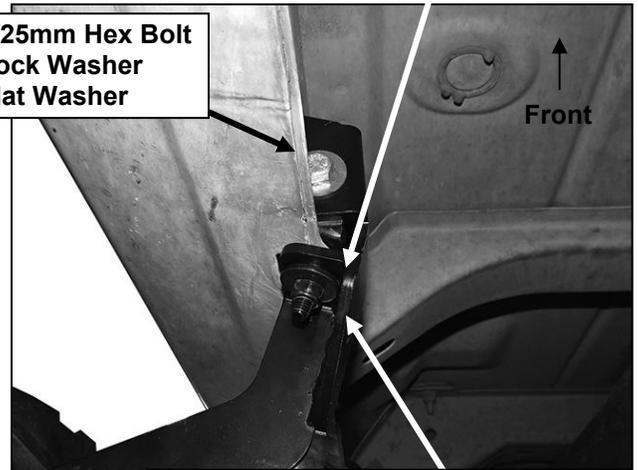
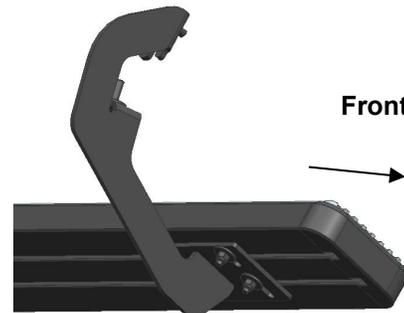


Fig 26

Models with weld nut on tab use:
8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer
to attach Lower Bracket to weld nut

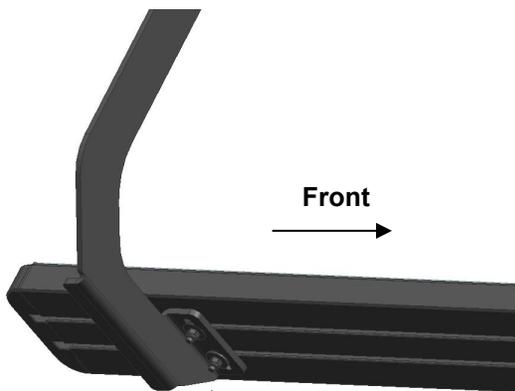


(Fig 27) Slip 6mm T-bolts into the bottom channel



(Fig 28)

(4)6mmT-bolts
(4)6mm Flat Washers
(4)6mm Nylon Lock Nuts



(Fig 29)

(2)6mmT-bolts
(2)6mm Flat Washers
(2)6mm Nylon Lock Nuts