



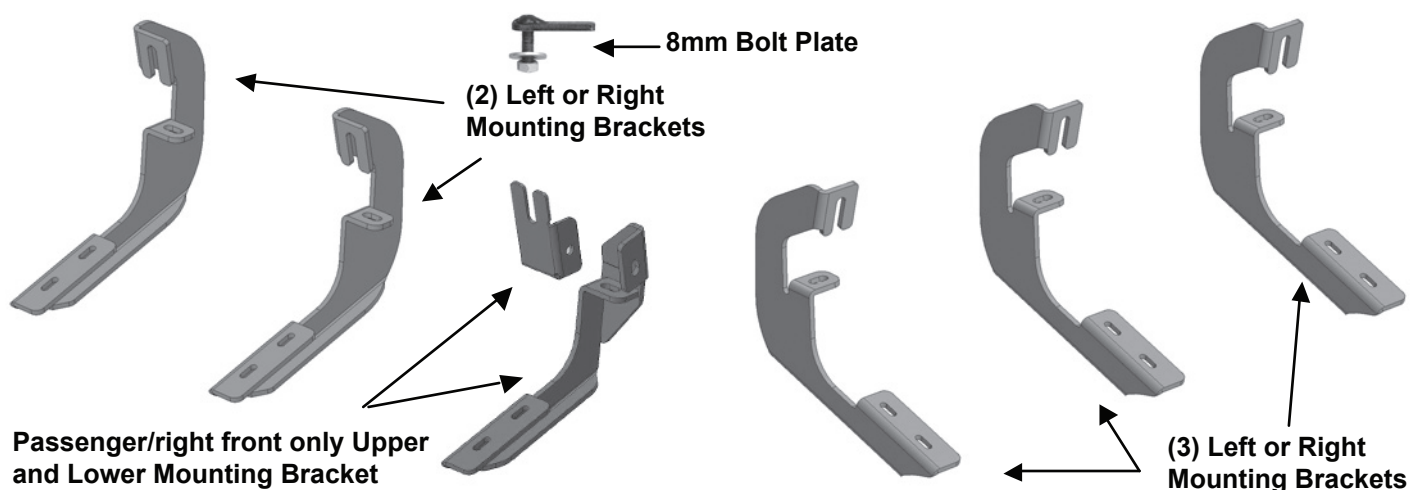
TYGER[®]

Part#: TG-ST2C50048

TYGER STEP[™]

Parts List

- | | | |
|---|---|-----------------------------|
| x2 TYGER STEP Running Boards | x13 8mm x 24mm x 2mm Flat Washers | x12 6mm Lock Washers |
| x5 Mounting Brackets (use for left or right) | x13 8mm Lock Washers | x12 6mm Hex Nuts |
| x1 Passenger/right Front Upper Bracket (all incl. DEF) | x1 8mm Bolt Plate | |
| x1 Passenger/right Front Lower Bracket (all incl. DEF) | x1 8mm Nylon Lock Nut (use w-bolt plate) | |
| x11 8-1.25mm Clip-On Nuts | x12 6mm T-Bolts | |
| x13 8-1.25mm x 25mm Hex Bolts | x12 6mm x 22mm OD x 2mm Flat Washers | |



Torque Value

Fastener Size	Class 8.8 Tightening Torque (ft-lbs)	Class10.9 Tightening Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126



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Before Installation

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. MAY REQUIRE CUTTING.

STEP 1

Start the installation under the driver side of the vehicle. Locate the 4 tabs along the bottom edge of the body, (pinch weld). 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.

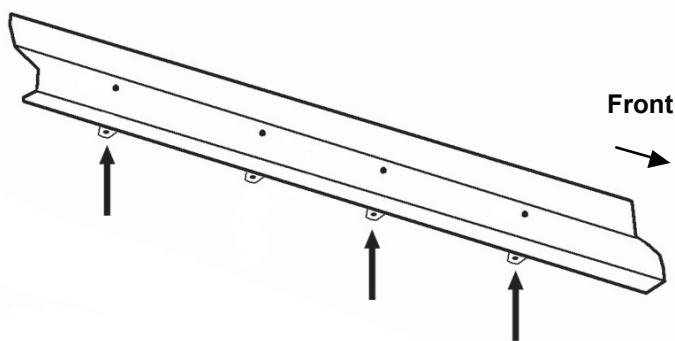
STEP 2

Determine the correct procedure for your model year and each Bracket location.

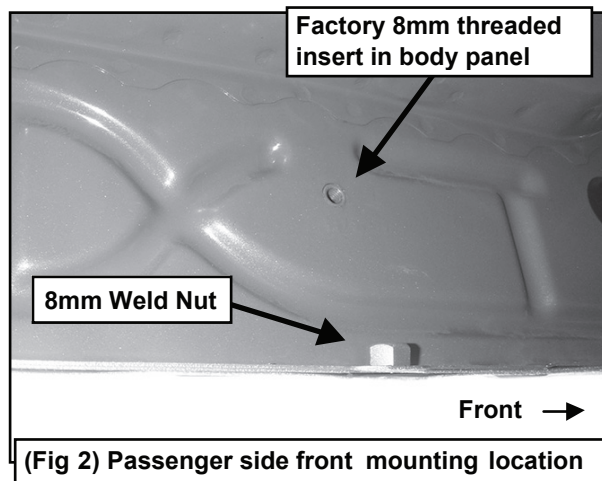
Bottom mounting location on the edge of the pinch weld.

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).

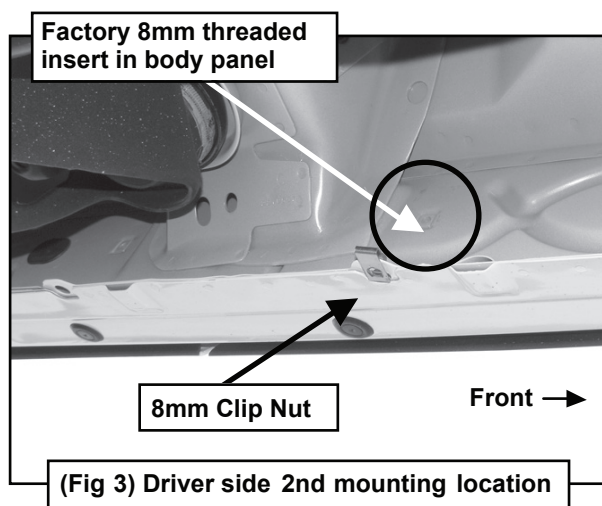
Flat tab on pinch weld with hole: Select (1) 8mm Clip Nut. Slide the Clip Nut over the tab with the nut facing up behind the tab, (Figures 3-5). Line up threaded nut with hole in the tab. Repeat for each mounting location.



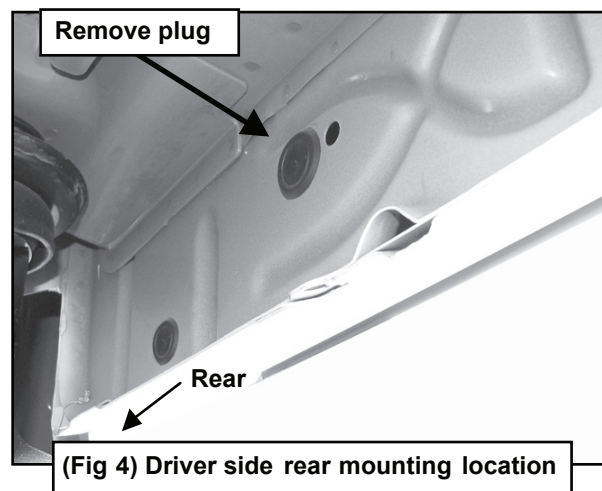
(Fig 1) Driver side (3) mounting locations



(Fig 2) Passenger side front mounting location



(Fig 3) Driver side 2nd mounting location



(Fig 4) Driver side rear mounting location



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Locate top mounting location on the back side of the body panel.

Models with factory installed threaded insert in body panel:

Thread 8mm 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) 8mm Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole, (Figure 5).

STEP 3

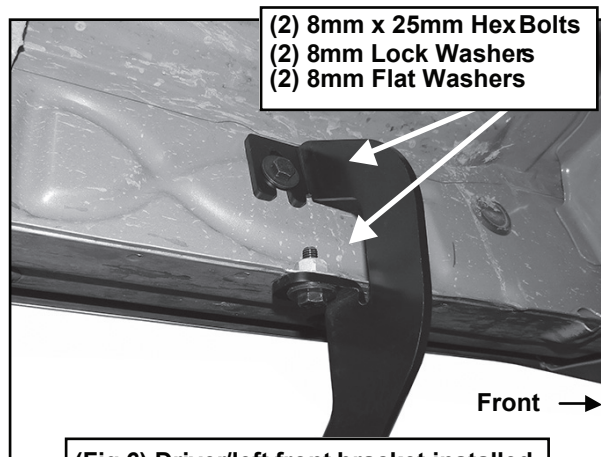
Select (1) Mounting Bracket. NOTE: (5) Brackets are universal and will fit all left or center and rear right side. Bolt the Mounting Bracket to the Clip Nuts and/or the factory threaded holes with (2) 8mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, (Figures 6 & 7). Snug but do not fully tighten the hardware.

STEP 4

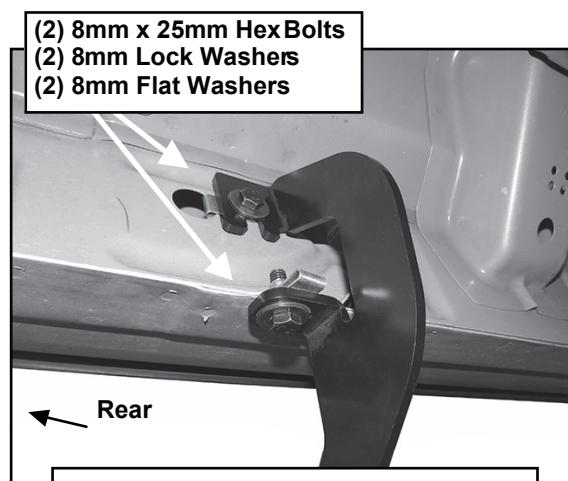
Repeat Steps 1-3 to install the (2) remaining driver side Brackets, (Figures 7, 9-11).

STEP 5

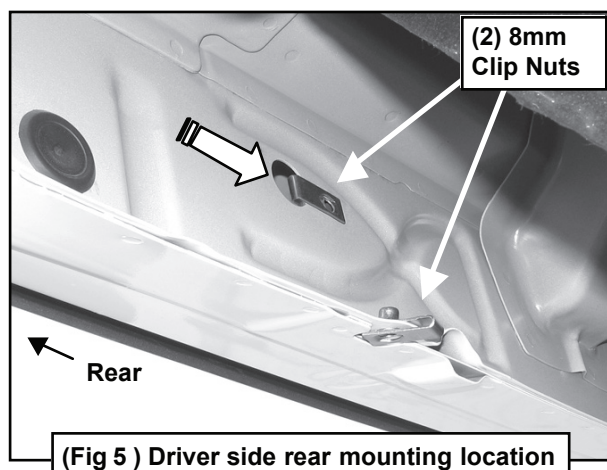
Once all (3) Brackets have been fully installed, select one Running Board. Locate the two channels in the bottom of the Running Board. Insert (3) 6mm T-Bolts into each channel, (Figure 8).



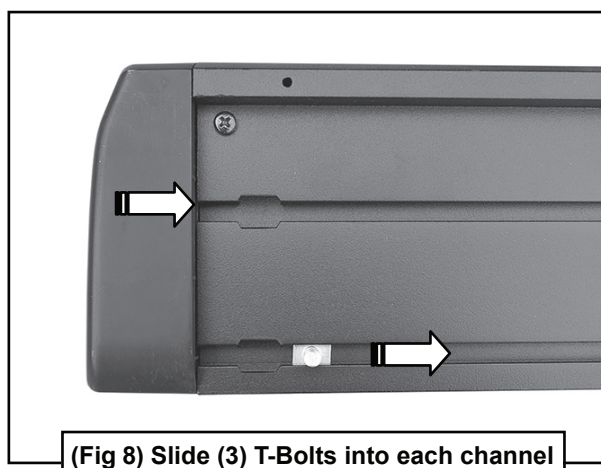
(Fig 6) Driver/left front bracket installed



(Fig 7) Driver/left rear bracket installed



(Fig 5) Driver side rear mounting location



(Fig 8) Slide (3) T-Bolts into each channel



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STEP 6

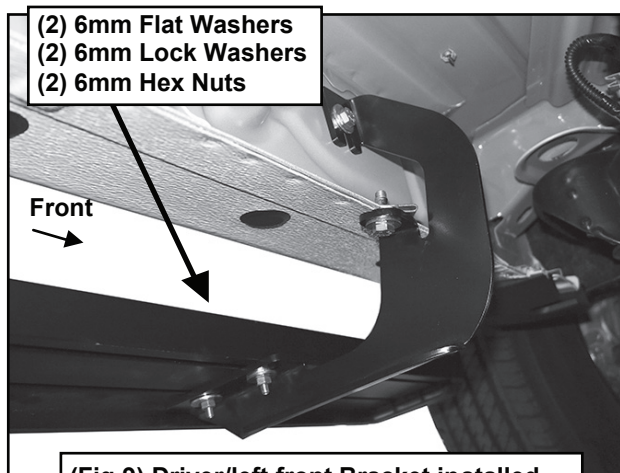
Carefully place the Running Board onto the Brackets. Align the (6) T-Bolts with the slots in the Brackets. Secure the Running Board to the Brackets with (6) 6mm Flat Washers, (6) 6mm Lock Washers and (6) 6mm Hex Nuts, (Figures 9-11). Do not tighten hardware at this time. NOTE: The Running Board is designed to fit close to the vehicle. It may be necessary to loosen the Bracket hardware and tilt the Brackets downward to insert Board between the Brackets and the body. Level and adjust the Running Board and fully tighten all hardware.

STEP 7

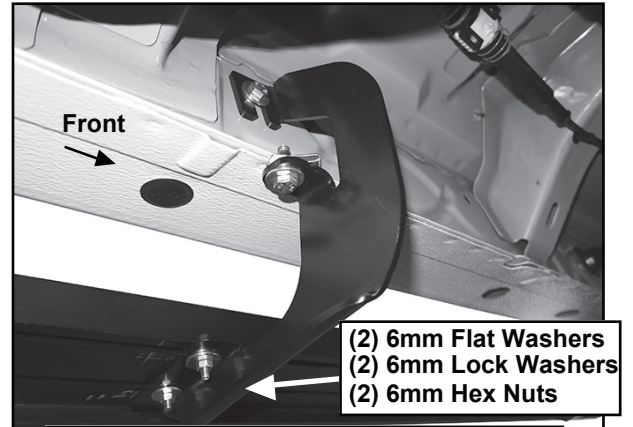
Move to the passenger side of the vehicle. On the passenger side, determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank, (Figures 12 & 13).

Models without DEF tank, skip to Step 8.

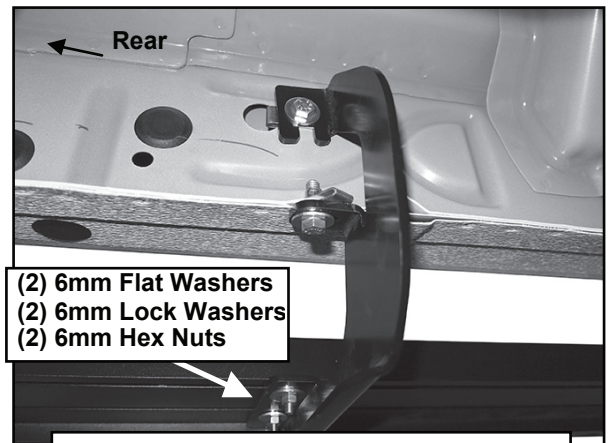
Models with DEF tank: The tank sits close to the side of the body. With specialized tools, the passenger front upper and lower Bracket can be installed but room is limited. It may be easier to drop the tank down to access the inner side of the body panel for upper bracket installation. Tank will not 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 before dropping the tank.



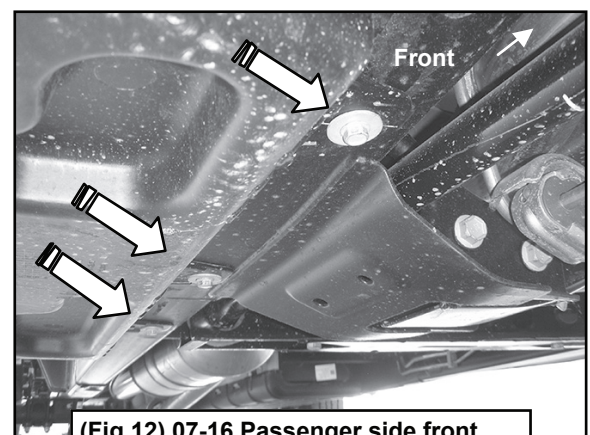
(Fig 9) Driver/left front Bracket installed



(Fig 10) Driver/left center Bracket installed



(Fig 11) Driver/left rear Bracket installed



(Fig 12) 07-16 Passenger side front pictured with DEF tank cover. Remove (3) hex bolts to remove cover



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a. On models with plastic lower tray under tank, remove the (3) hex bolts attaching the tray to the frame, (Figure 12), and remove the tray. 2017-UP 2500/3500 models: Remove the (4) hex bolts attaching the plastic cover to DEF tank, (Figure 13A) and remove plastic cover, (Figure 13B).

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

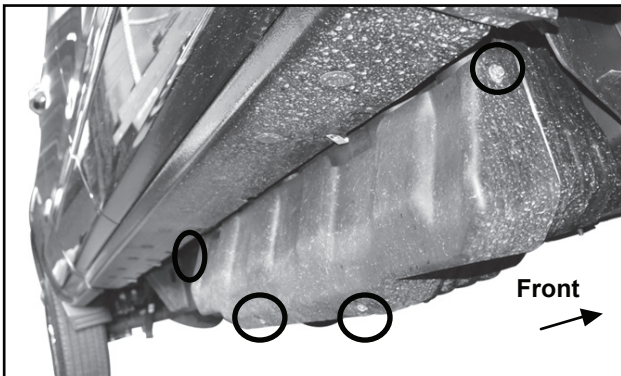
c. Support the tank with a floor jack. Place a smooth flat surface, (wooden block for example), between the floor jack and the tank to avoid damaging the plastic tank. Do not push up on the tank; only support the weight of the tank with the jack.

d. Remove the (2) bolts securing the tank straps to the vehicle, (Figure 14). 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.

e. Proceed to Step 8

STEP 8

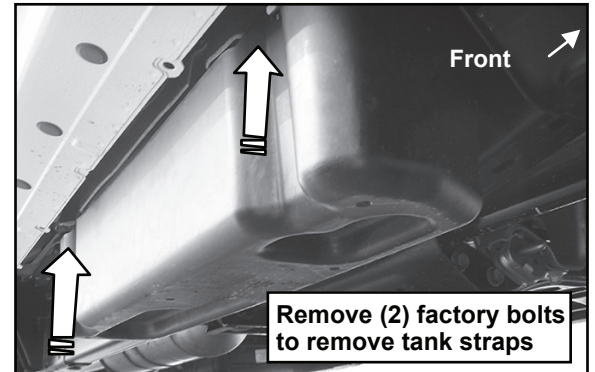
Locate the first tab on the edge of the pinch weld, (Figures 2-4, 16 & 18). Select the Upper Bracket, (Figure 15). Repeat Steps 2 & 3 to attach the passenger front Upper Bracket to the side of the body panel, (Figure 16). Do not tighten hardware at this time.



(Fig 13A) 2017 Passenger side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



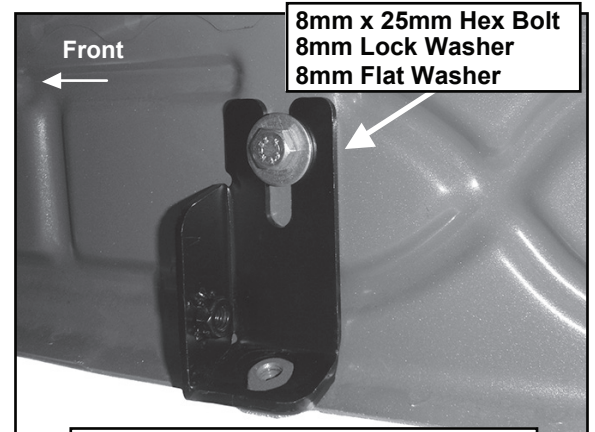
(Fig 13B) 2017 Passenger side DEF cover removed



(Fig 14) 07-16 Passenger side DEF tank and cover



(Fig 15) Passenger/
right Front Upper
Bracket (all models)



(Fig 16) Slide Upper Bracket over weld
nut if equipped also see Figure 2

On models with flat tab (see Fig 3 & 4),
insert 8mm Bolt Plate (Fig 15) down
through Upper Bracket and mounting tab

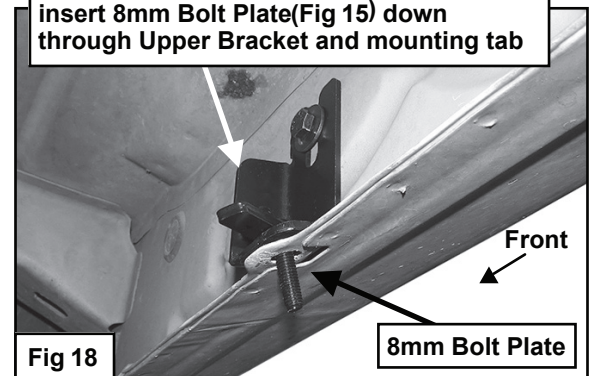


Fig 18

8mm Bolt Plate



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STEP 9

Line up the hole in the bottom of the Upper Bracket with the hole in the tab on the pinch weld.

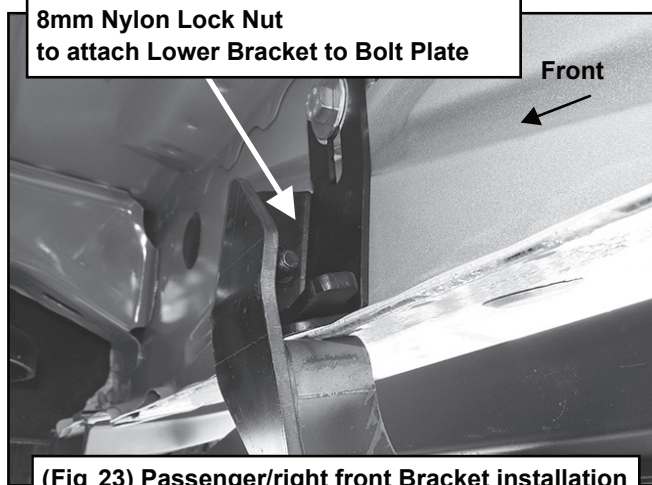
a. **Models with a weld-nut:** Slide the Bracket over the weld-nut, (Figure 16). Attach the Lower Bracket to the bottom of the body and weld-nut with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figures 22 & 24). Leave loose at this time.

b. **Models with flat tab and hole:** Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab, (Figures 17 & 18). Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer and (1) 8mm Nylon Lock Nut, (Figures 23 & 24). Leave loose at this time.



(Fig 17) 8mm x 35mm Bolt Plate

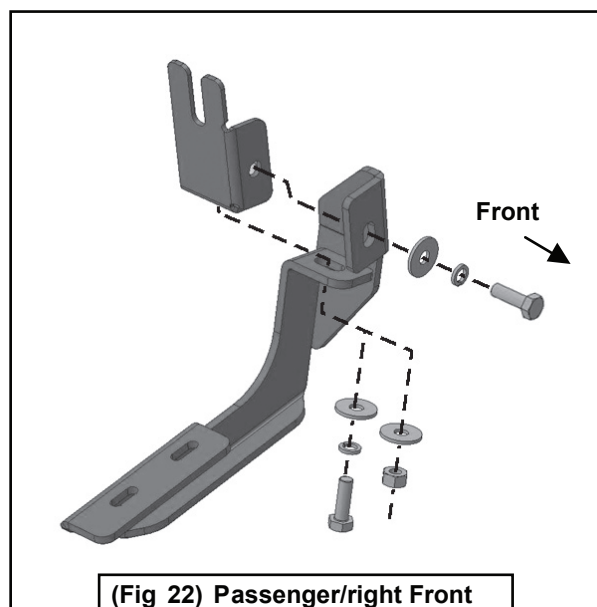
For models with flat tab and 8mm Bolt Plate (see Fig. 18) use:
8mm Flat Washer
8mm Nylon Lock Nut
to attach Lower Bracket to Bolt Plate



(Fig 23) Passenger/right front Bracket installation

STEP 10

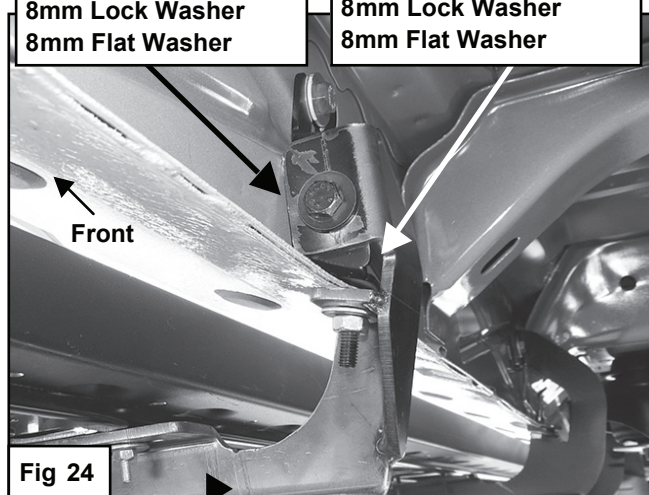
Line up the side tab on the Lower Bracket with the threaded hole in the side of the Upper Bracket. Attach the Lower Bracket to the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figures 22, 23 & 24). Leave loose at this time.



(Fig 22) Passenger/right Front Upper and Lower Brackets

All models use:
8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer

Models with weld nut on tab (see Fig. 16) use:
8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer



(2) 6mm Flat Washers
(2) 6mm Lock Washers
(2) 6mm Hex Nuts



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STEP 11

Repeat Steps 1-3 for the (2) remaining passenger side Bracket installations. NOTE: Cradles on Brackets installed on passenger side will face forward.

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

STEP 12

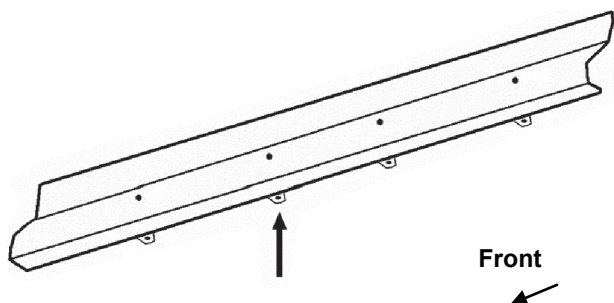
Repeat Steps 5 & 6 to install the passenger side Running Board.

STEP 13

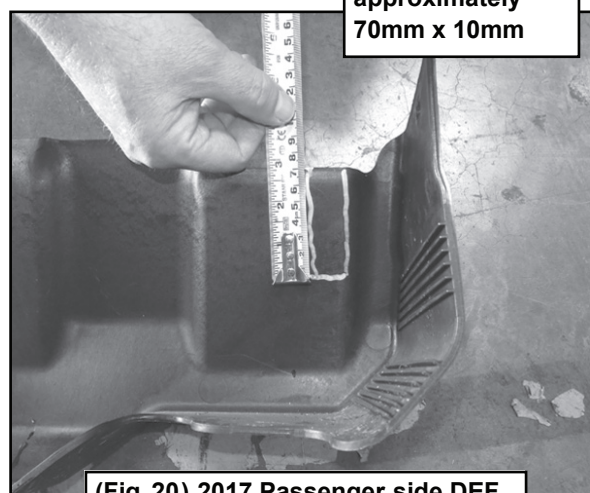
Once the Running Board has been installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in Step 7 & 11.

STEP 14

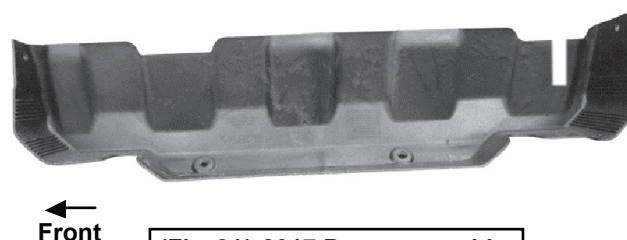
Do periodic inspections to the installation to make sure that all hardware is secure and tight.



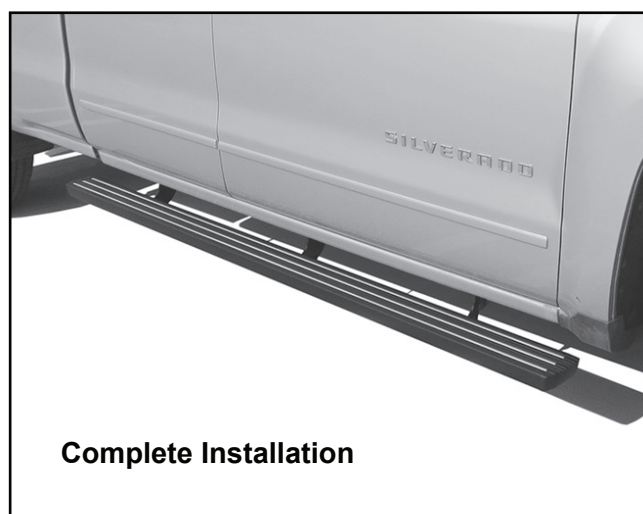
(Fig 19) Passenger side 2nd bracket location from back of body panel



(Fig 20) 2017 Passenger side DEF cover marked for trimming



(Fig 21) 2017 Passenger side DEF cut for example only



Complete Installation