



TYGER BLADE

TG-BL7C7148

BEFORE INSTALLATION

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM, PLEASE VISIT: WWW.TYGERAUTO.COM/CONTACT

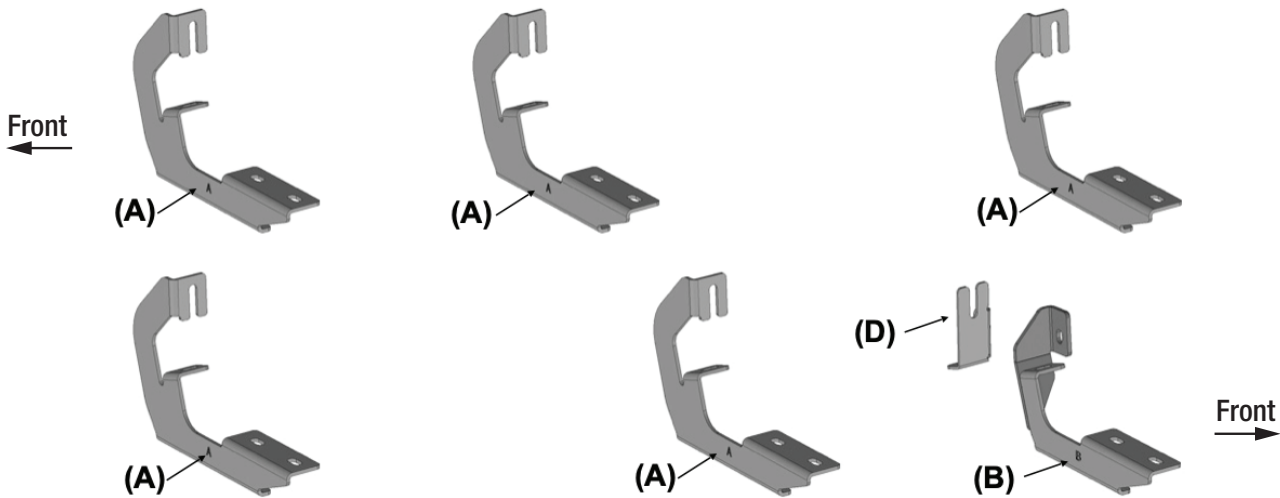
TORQUE VALUES

Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 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

- x2** TYGER Blade Running Boards (88in)
- x5** Mounting Brackets (use for left or right) (A)
- x1** Passenger/right Front Upper Bracket (D)
- x1** Passenger/right Front Lower Bracket (B)
- x6** 8mm Double Bolt Plates
- x1** 8mm Single Bolt Plate
- x11** 8-1.25mm Clip-On Nuts
- x13** 8-1.25mm x 25mm Hex Bolts
- x1** 8mm x 28mm x 3mm Large Flat Washer
- x24** 8mm x 24mm x 2mm STD Flat Washers
- x13** 8mm Lock Washers
- x13** 8mm Nylon Lock Nuts

Parts List

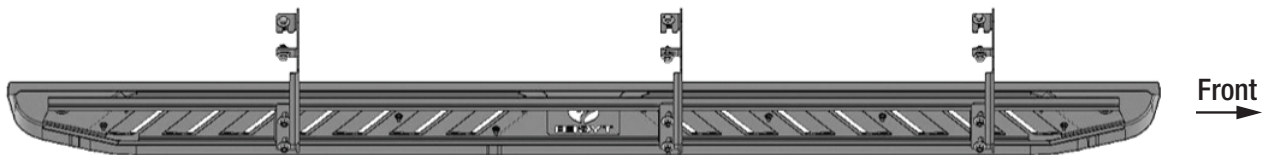
Driver/Left Mounting Brackets



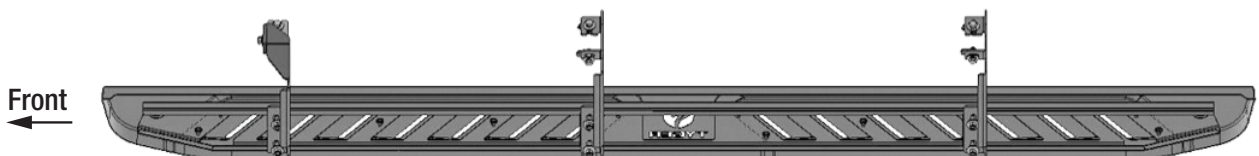
Passenger/Right Mounting Brackets

Bottom View Assembled Running Boards

Driver/Left Running Board Assembly (Bottom View)



Driver/Left Running Board Assembly (Bottom View)



Passenger/Right Running Board Assembly (Bottom View)

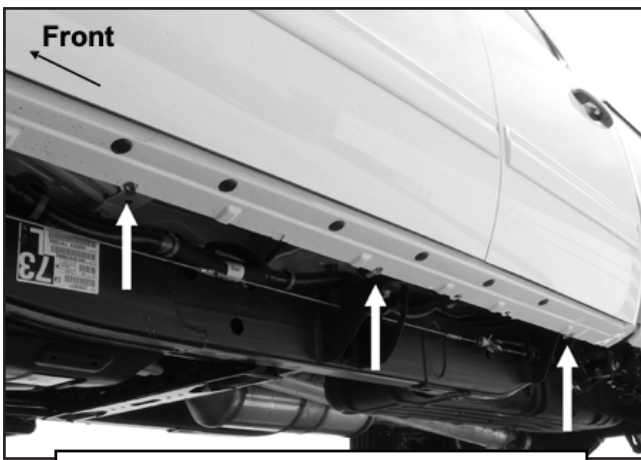
PROCEDURE:

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. MAY REQUIRE CUTTING.

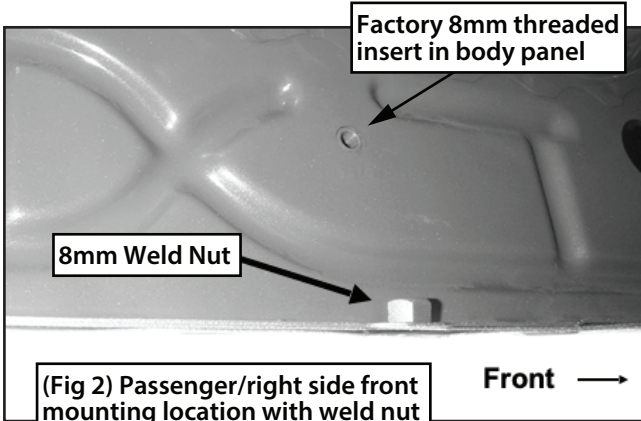
STEP 1

Starting the installation under the driver/left side of the vehicle (Fig 1). Locate the 5 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 **5th** mounting tabs. Directly above each tab is a top mounting location on the side of the body panel (Figs 2 & 3). Hold a Bracket up in place to help determine the mounting holes to use along the body.

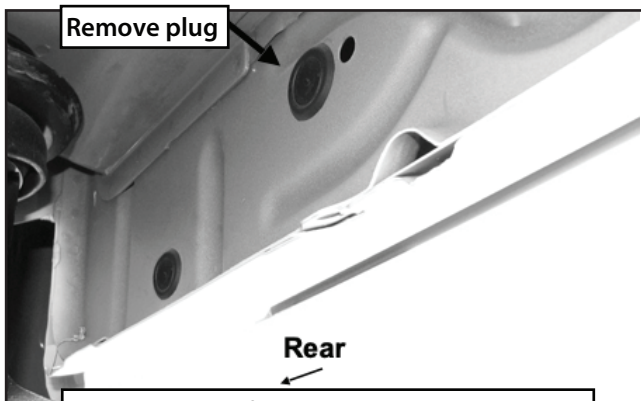
Driver/left side Installation Pictured



(Fig 1) Driver/left side (3) mounting locations



(Fig 2) Passenger/right side front mounting location with weld nut



(Fig 3) Driver/left side rear mounting location

STEP 2

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

Bottom mounting location on the edge of the pinch weld.

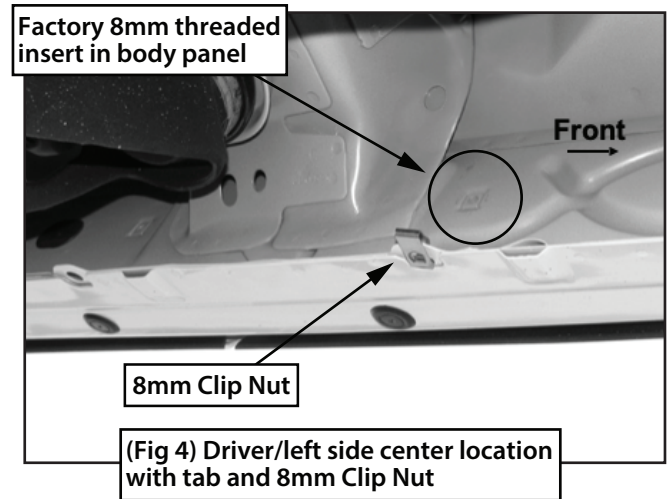
Flat tab on pinch weld with factory installed weld nut:

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

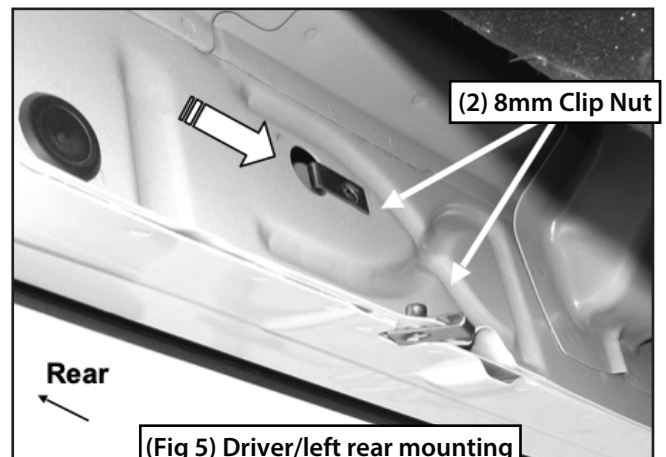
Flat tab on pinch weld with hole:

Select (1) 8mm Clip Nut. Slide the Clip Nut over the tab with the nut facing up behind the tab (Figs 3-5). Line up threaded nut with hole in the tab. Repeat for each mounting location.

Driver/left side Installation Pictured



(Fig 4) Driver/left side center location with tab and 8mm Clip Nut



(Fig 5) Driver/left rear mounting location with 8mm Clip Nuts

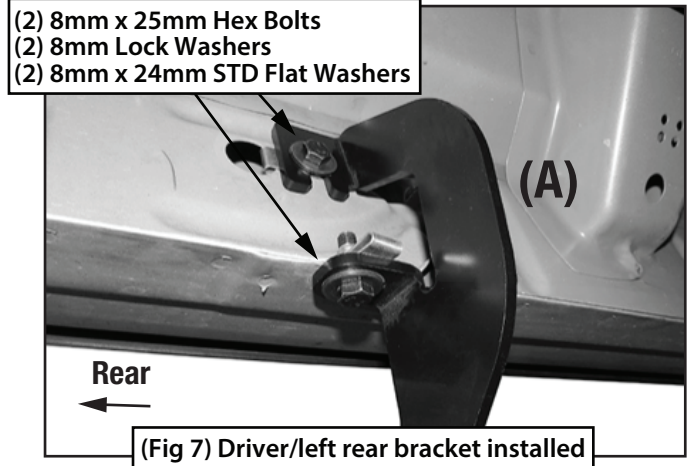
Locate top mounting location on the back side of the body panel.

Models with factory installed threaded insert in body panel:

Thread 8mm Hex Bolt into threaded insert to clear paint as required (Figs 2 & 4).

Large and small hole in side of body panel:

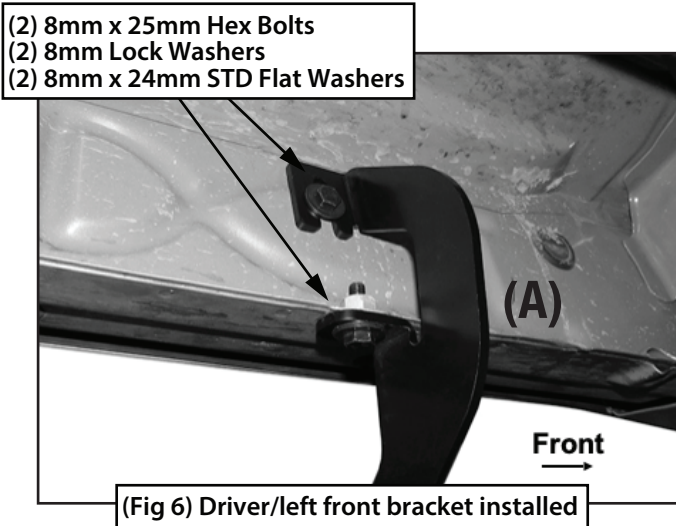
Remove the rubber plug from the larger hole (Fig 3). Select (1) 8mm Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole (Fig 5).



STEP 3

Select (1) Mounting Bracket **(A)**. **NOTE:** (5) Brackets are universal and will fit all (3) driver/left side mounting locations, as well as the passenger/right center and rear locations. Attach the Mounting Bracket to the Clip Nuts and/or the factory threaded holes with (2) 8mm x 25mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm x 24mm STD Flat Washers (Fig 6). Keep hardware snug but **DO NOT** fully tighten.

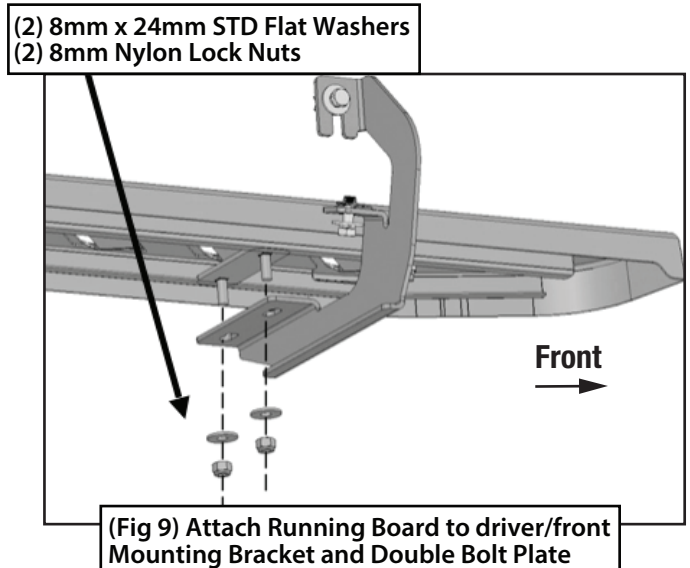
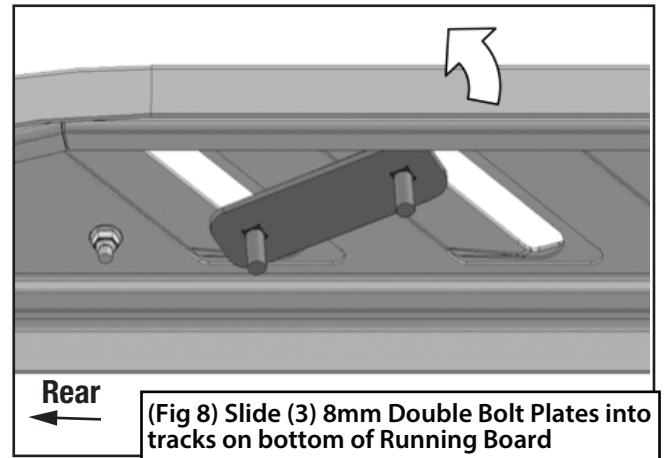
Driver/left side Installation Pictured



STEP 5

Select (1) Running Board. Place the Running Board on top of the Brackets. Locate the channels in the bottom of the Running Board. Select (3) 8mm Double Bolt Plates (Fig 8). Insert the Bolt Plates into the channels in the bottom of the Running Board closest to the Brackets (Fig 9). Lift the Running Board up and guide the studs on the Bolt Plates down through the Brackets.

Driver/left side Installation Pictured



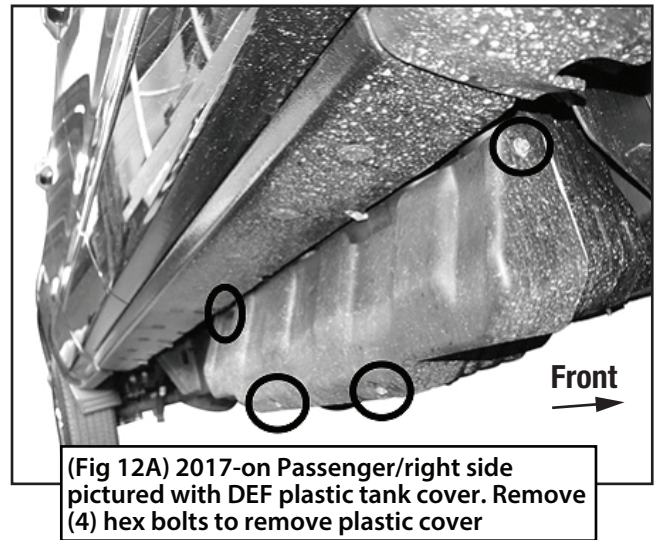
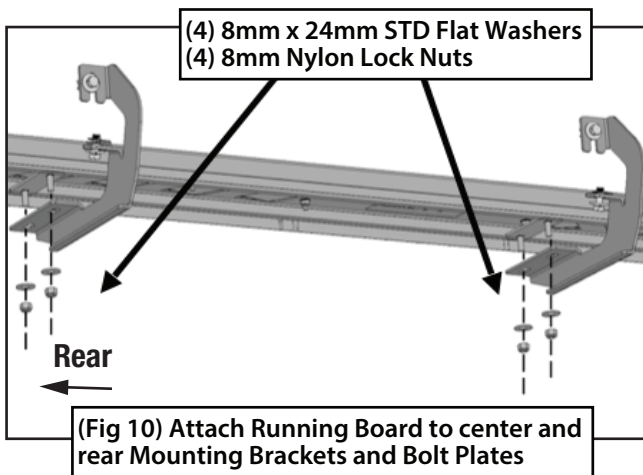
STEP 4

Repeat **STEPS 1-3** to install Mounting Brackets **(A)** to the driver/left center and rear mounting locations.

STEP 6

Attach the Running Board to the Brackets with (6) 8mm x 24mm STD Flat Washers and (6) 8mm Nylon Lock Nuts (Figs 9 & 10). **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 the Running Board between the Brackets and the body. **DO NOT** tighten hardware at this time.

Driver/left side Installation Pictured



Models without DEF tank, skip to STEP 9.

2007-16 Models with DEF tank: The tank sits close to the side of the body. With specialized tools, the passenger/right 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.

a. On 07-16 models with plastic lower tray under tank, remove the (3) hex bolts attaching the tray to the frame (Fig 11), and remove tray.

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 13). Tilt the straps to release straps 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 9.**

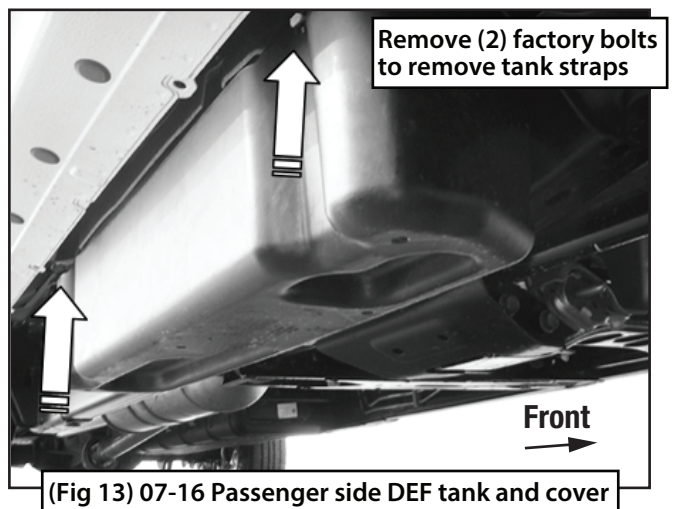
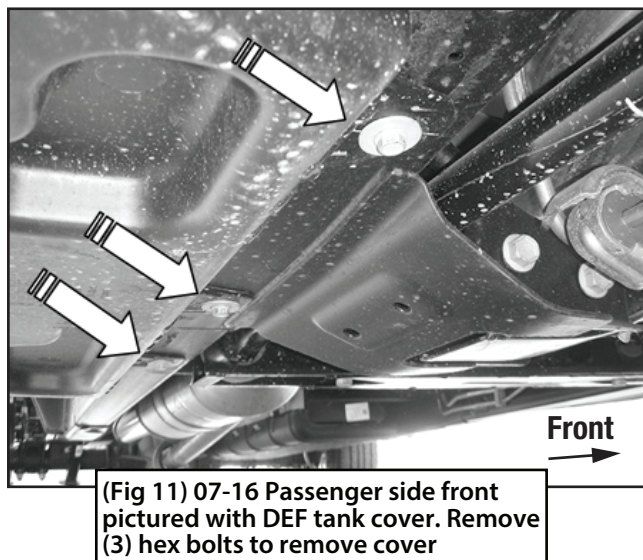
STEP 7

Level and adjust the Running Board and fully tighten all hardware.

STEP 8

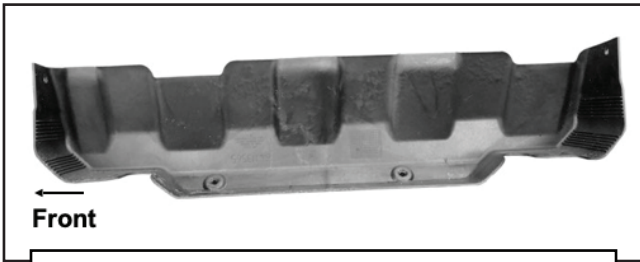
Move to the passenger/right side of the vehicle. On the passenger/right side, determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank (Figs 11 & 12A).

Passenger/Right side Installation Pictured



2017-on Models with DEF tank:

- a. Remove only the plastic cover from the tank, DO NOT remove tank (Figs 12A & 12B).

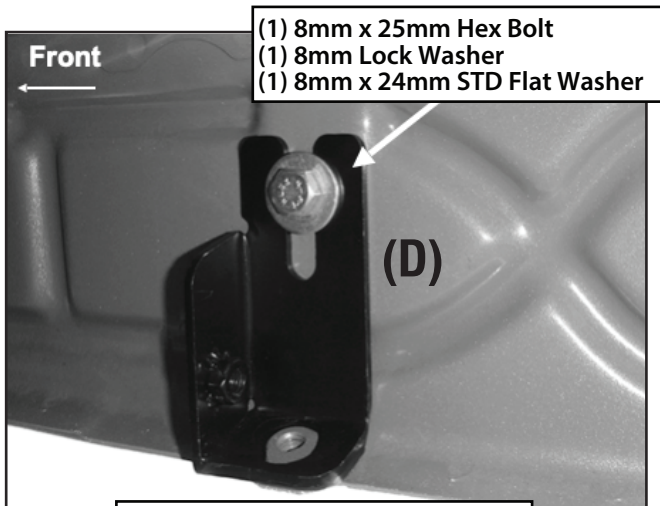


(Fig 12B) 2017 Passenger side DEF cover removed

STEP 9

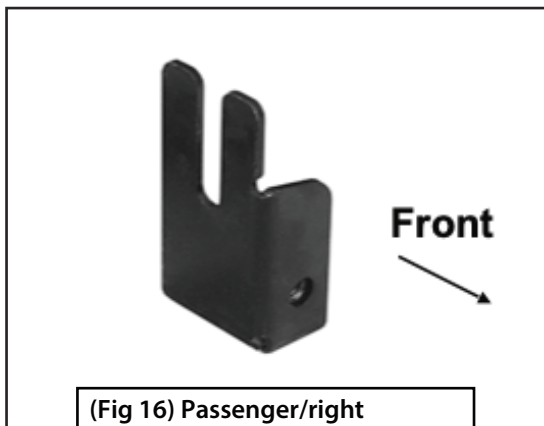
Locate the first tab on the edge of the pinch weld (Figs 2-4 & 14). Select the Passenger/right Front Upper Bracket (D) (Fig 16). Repeat **STEPS 2 & 3** to attach the Upper Bracket to the side of the body panel (Fig 14). DO NOT tighten hardware at this time.

Passenger/Right side Installation Pictured



- (1) 8mm x 25mm Hex Bolt
- (1) 8mm Lock Washer
- (1) 8mm x 24mm STD Flat Washer

(Fig 14) Slide Upper Bracket over weld nut if equipped-also see Fig 2



(Fig 16) Passenger/right Front Upper Bracket (all models)

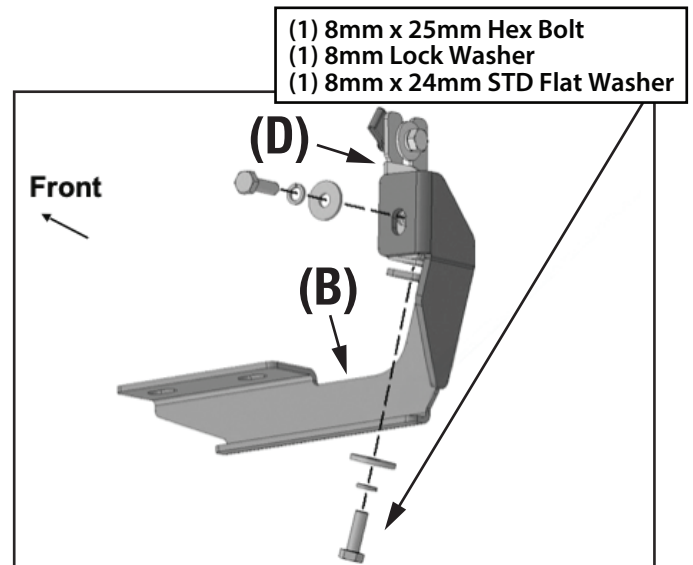
STEP 10

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

Models with a weld-nut:

- a. Slide the bottom of the Bracket over the weld-nut (Fig 14).
- b. Select the passenger/right Front Lower Bracket (B). Attach the Lower Bracket to the bottom of the body, weld-nut and Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm x 28mm Large Flat Washer (Fig 17). Leave loose at this time.

Passenger/Right side Installation Pictured

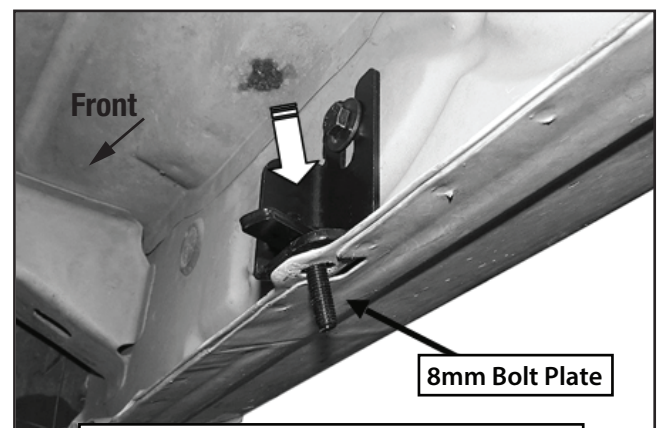


- (1) 8mm x 25mm Hex Bolt
- (1) 8mm Lock Washer
- (1) 8mm x 24mm STD Flat Washer

(Fig 17) On models with weld nut on pinch weld, attach passenger/right Front Lower Bracket (B) to Upper Bracket and bottom of body

Models with flat tab and hole:

- a. Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab (Figs 15 & 18).



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

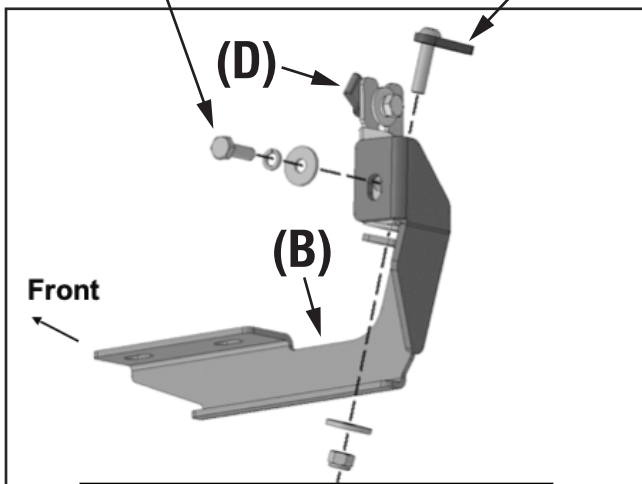


(Fig 18) 8mm x 35mm Bolt Plate

b. Attach the Lower Bracket (B) to the bottom of the body and Bolt Plate with (1) 8mm x 28mm Large Flat Washer and (1) 8mm Nylon Lock Nut (Fig 19). DO NOT tighten hardware.

- (1) 8mm x 25mm Hex Bolt
- (1) 8mm Lock Washer
- (1) 8mm x 24mm STD Flat Washer

- (1) 8mm Bolt Plate
- (1) 8mm x 28mm Large Flat Washer
- (1) 8mm Nylon Lock Nut



(Fig 19) On models with flat tab, attach passenger/right Front Lower Bracket to Upper Bracket and bottom of body

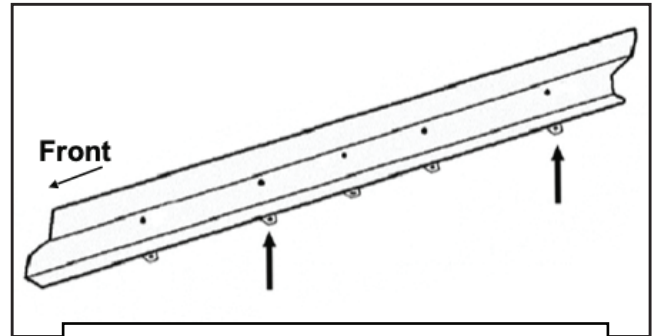
STEP 11

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) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm x 24mm STD Flat Washer (Figs 17 & 19). Leave loose at this time.

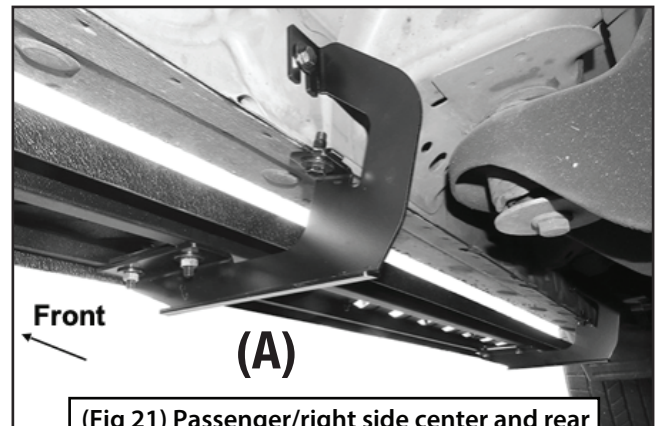
STEP 12

Repeat **STEPS 1-3** to install the (2) remaining (A) Mounting Brackets in the passenger/right center and rear mounting locations (Figs 20-21).

Passenger/Right side Installation Pictured



(Fig 20) Passenger/right side center and rear bracket locations from back of body panel



(Fig 21) Passenger/right side center and rear Brackets and running board installed

STEP 13

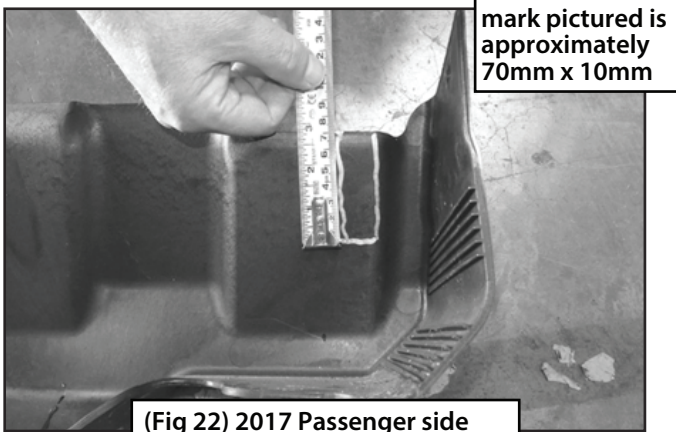
Repeat **STEPS 5-7** to attach the passenger/right side Running Board. Measure the distance from driver/left front wheel opening or mud flap to front end of Running Board. Match the passenger/right Running Board to the driver/left side installation

STEP 14

Once the Running Boards are installed, lined up to side of vehicle and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **STEP 8**.

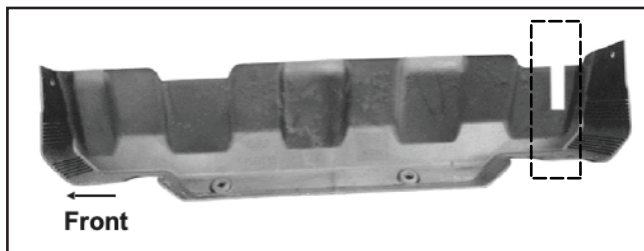
a. 2017-on 2500-3500 DEF tank models only: Hold the DEF cover up in place and mark the **2nd** Bracket location onto the cover (Fig 22). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket (Fig 23), and reinstall.

Passenger/Right side Installation Pictured



mark pictured is approximately 70mm x 10mm

(Fig 22) 2017 Passenger side DEF cover marked for trimming



(Fig 23) 2017-on Passenger side DEF cut for example only

STEP 15

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



Installation Completed