



# TYGER BLADE

TG-BL3C7028

## 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](http://WWW.TYGERAUTO.COM/CONTACT)

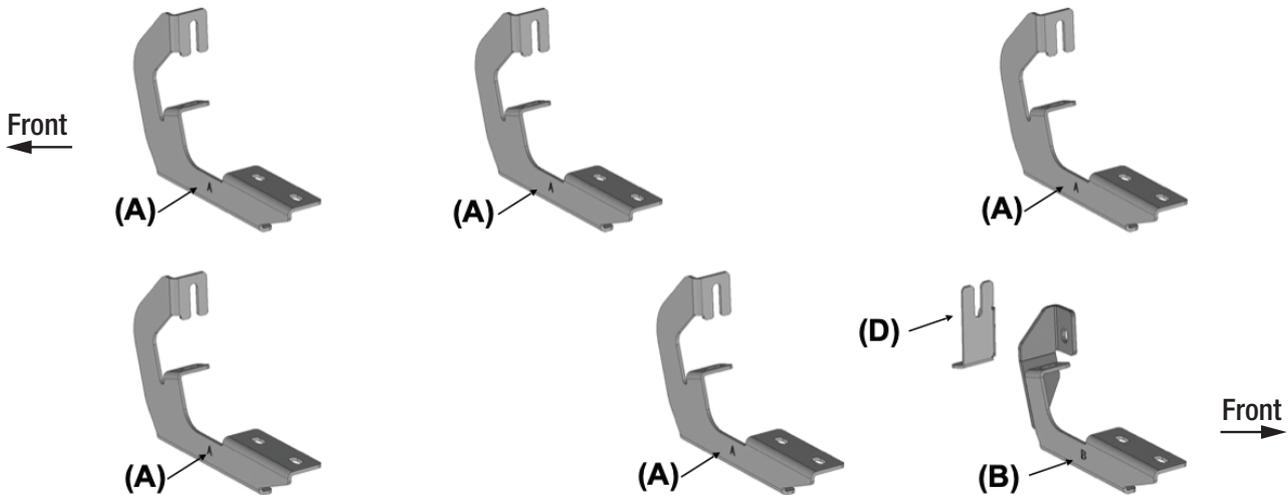
## TORQUE VALUES

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 (78in)
- 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

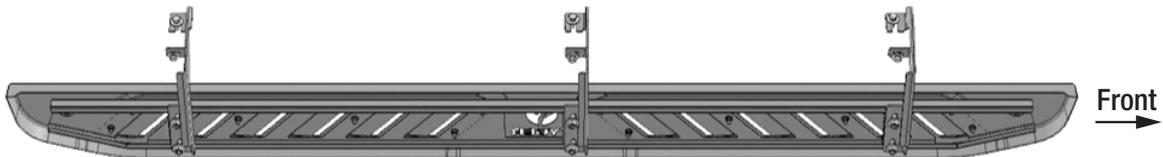
### Driver/Left Mounting Brackets



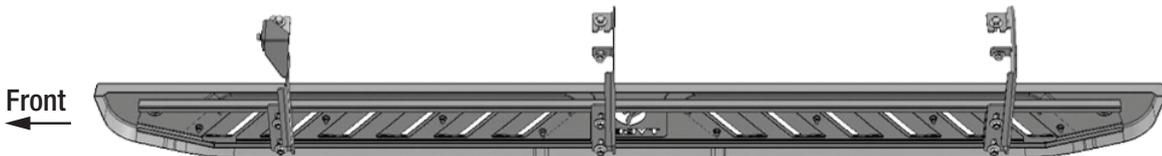
### Passenger/Right Mounting Brackets

### Bottom View Assembled Running Boards

#### Driver/Left Running Board Assembly (Bottom View)



#### Passenger/Right Running Board Assembly (Bottom View)



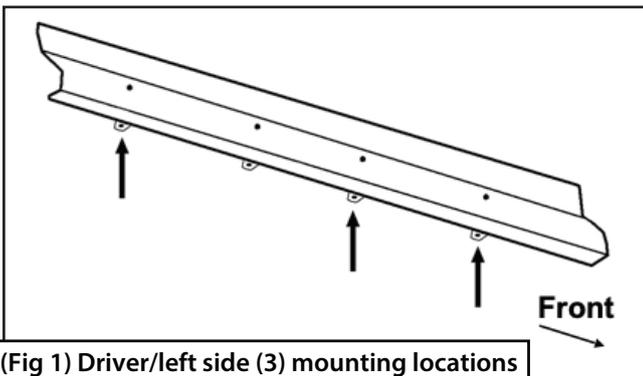
**PROCEDURE:**

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.

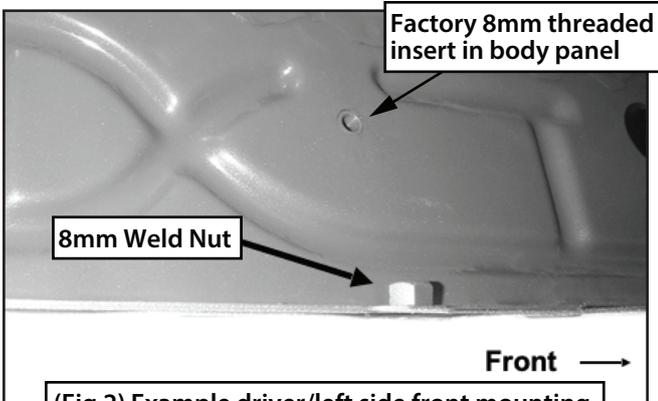
**STEP 1**

Starting the installation under the driver/left side of the vehicle (Fig 1). Locate the 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. 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.

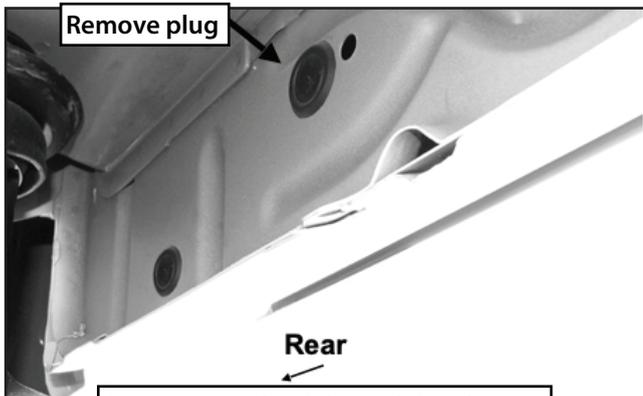
**Driver/left side Installation Pictured**



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



(Fig 2) Example driver/left side front mounting location with weld nut on pinch weld and threaded hole in body panel



(Fig 3) Example of driver/left side rear mounting location with hole in body panel and flat tab on pinch weld

**STEP 2**

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

**Bottom mounting location on the edge of the pinch weld.**

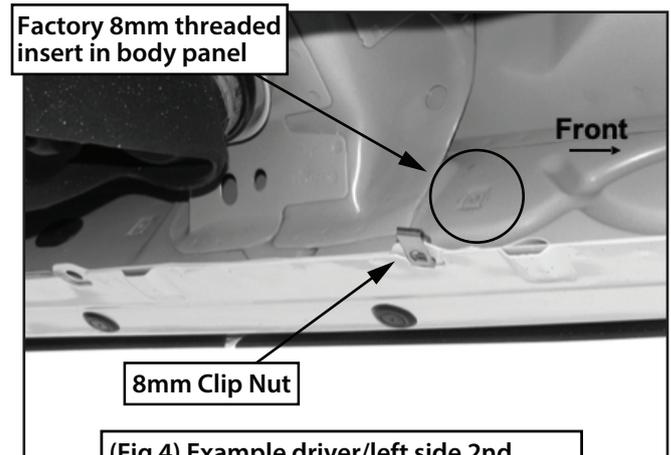
**Flat tab on pinch weld with factory installed weld nut:**

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

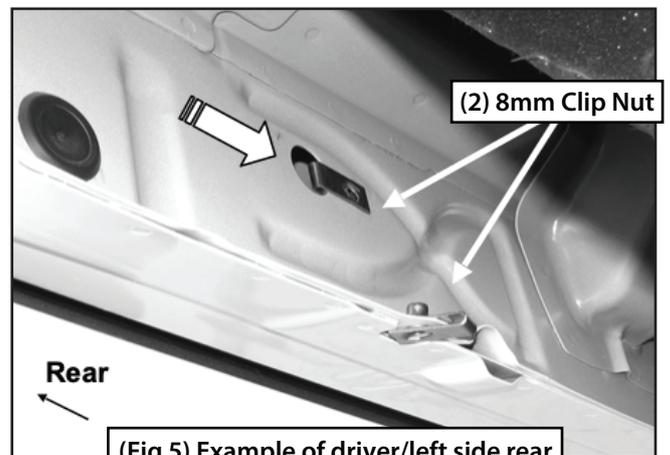
**Flat tab on pinch weld with hole:**

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) Example driver/left side 2nd mounting location with threaded hole in body panel and flat tab on pinch weld



(Fig 5) Example of driver/left side rear mounting location with hole in body panel and flat tab on pinch weld

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

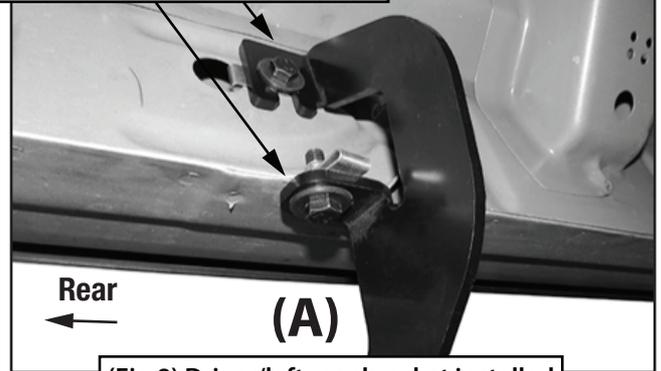
**Models with factory installed threaded insert in body panel:**

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).

- (2) 8mm x 25mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm x 24mm STD Flat Washers

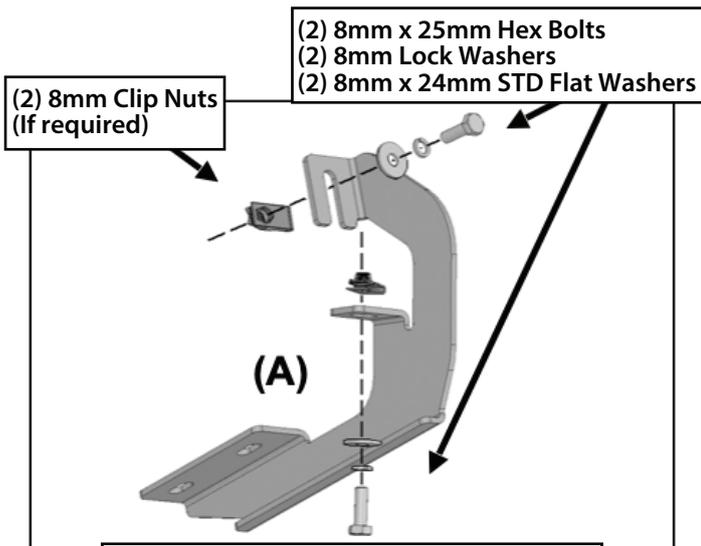


(Fig 8) Driver/left rear bracket installed

**STEP 3**

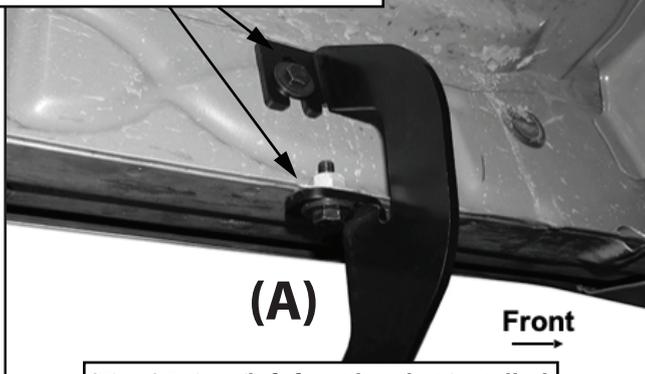
Select (1) Mounting Bracket (A). **NOTE:** (5) Brackets are universal and will fit all (3) driver/left side mounting locations, as well as the passenger/right center and rear locations. Attach the Mounting Bracket to the Clip Nuts and/or the factory threaded holes with (2) 8mm x 25mm Hex Bolts, (2) 8mm 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**



(Fig 6) Attach (1) Mounting Bracket (A) to driver/front mounting location

- (2) 8mm x 25mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm x 24mm STD Flat Washers



(Fig 7) Driver/left front bracket installed

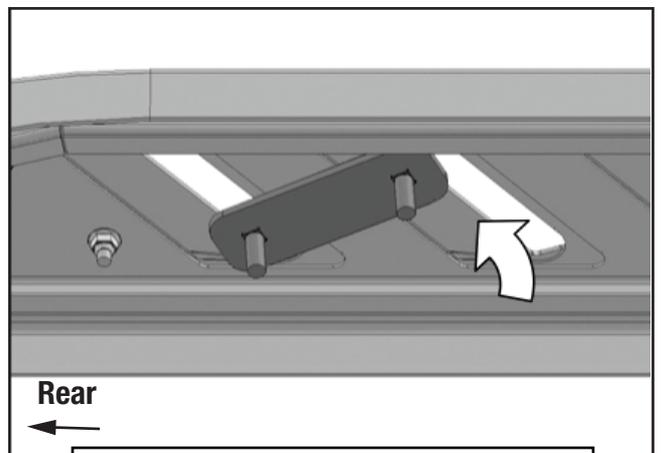
**STEP 4**

Repeat **STEPS 1-3** to install Mounting Brackets (A) to the driver/left center and rear mounting locations (Fig 7-8).

**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 9). Insert the Bolt Plates into the channels in the bottom of the Running Board closest to the Brackets. Lift the Running Board up and guide the studs on the Bolt Plates down through the Brackets.

**Driver/left side Installation Pictured**



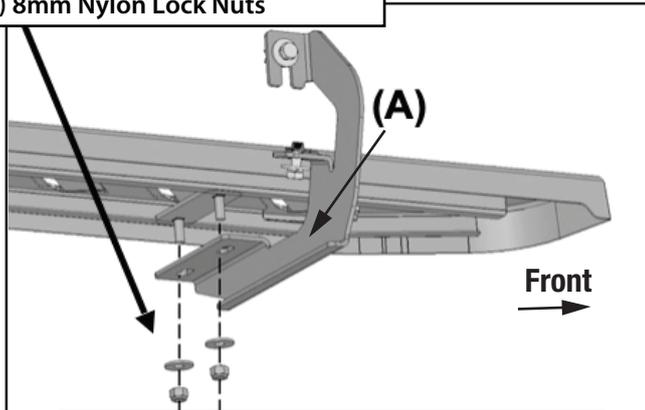
(Fig 9) Slide (3) 8mm Double Bolt Plates into tracks on bottom of Running Board

## STEP 6

Attach the Running Board to the Brackets with (6) 8mm x 24mm STD Flat Washers and (6) 8mm Nylon Lock Nuts (Figs 10 & 11). **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.

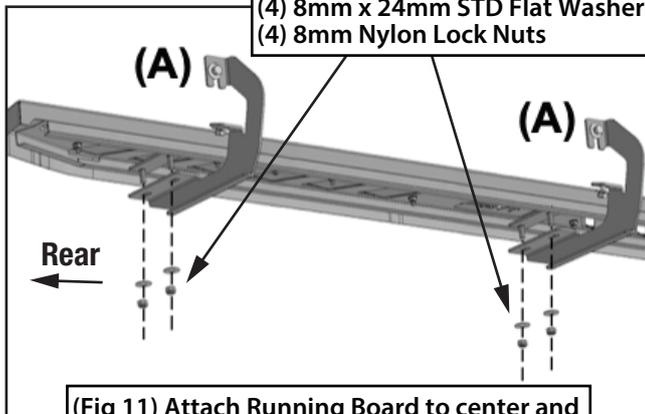
Driver/left side Installation Pictured

(2) 8mm x 24mm STD Flat Washers  
(2) 8mm Nylon Lock Nuts



(Fig 10) Attach Running Board to driver/front Mounting Bracket and Double Bolt Plate

(4) 8mm x 24mm STD Flat Washers  
(4) 8mm Nylon Lock Nuts



(Fig 11) Attach Running Board to center and rear Mounting Brackets and Bolt Plates

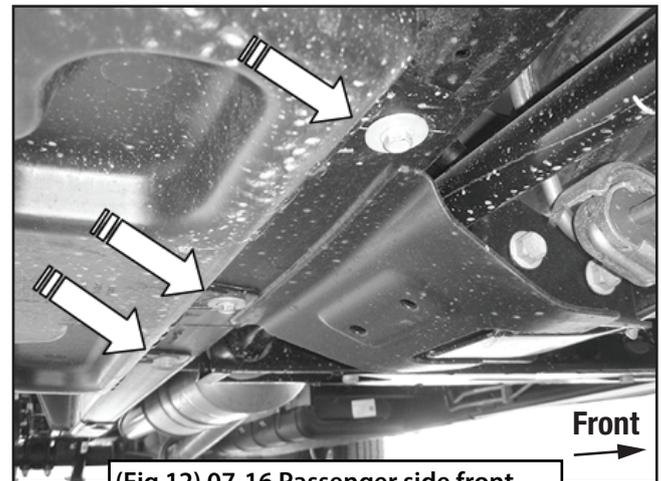
## STEP 7

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

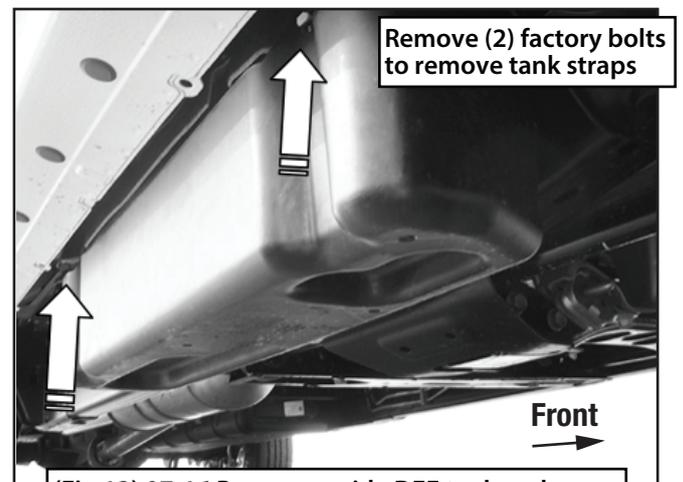
## STEP 8

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 12 & 13).

Passenger/Right side Installation Pictured



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



Remove (2) factory bolts to remove tank straps

(Fig 13) 07-16 Passenger side DEF tank and cover

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 12), and remove tray.

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

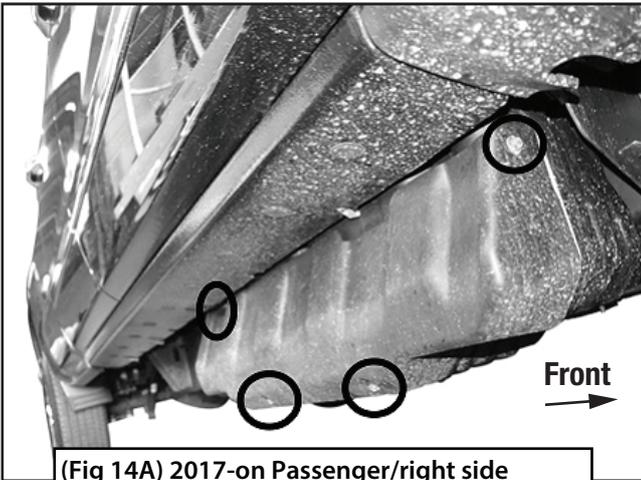
**c.** Support the tank with a floor jack. Place a smooth flat surface, (wooden block for example), between the floor jack and the tank to avoid damaging the plastic tank. **DO NOT** push up on the tank; only support the weight of the tank with the jack.

**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.

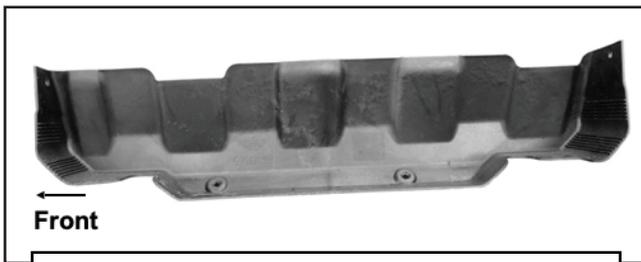
**e.** Proceed to **STEP 9**.

**2017-on Models with DEF tank:**

a. Remove only the plastic cover from the tank, DO NOT remove tank (Figs 14A & 14B).



(Fig 14A) 2017-on Passenger/right side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover

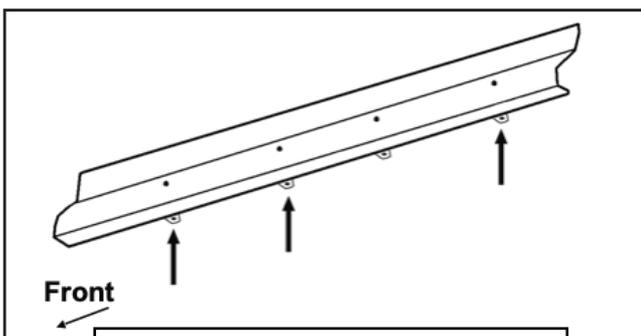


(Fig 14B) 2017 Passenger side DEF cover removed

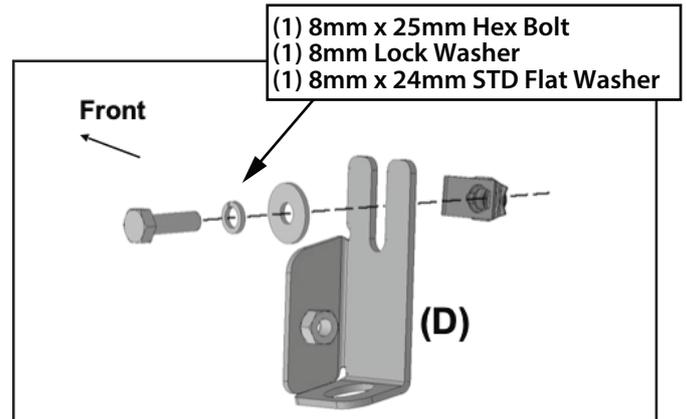
**STEP 9**

Locate the first tab on the edge of the pinch weld (Figs 2-4, 15). Select the Passenger/right Front Upper Bracket (D) (Fig 16). Repeat **STEPS 2 & 3** to attach the Upper Bracket to the side of he body panel (Fig 16-17). DO NOT tighten hardware at this time.

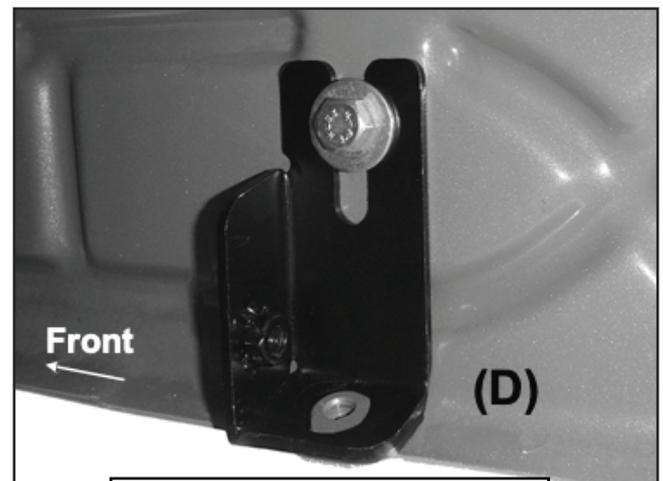
**Passenger/Right side Installation Pictured**



(Fig 15) Passenger/right side mounting locations from back of body panel



(Fig 16) Attach passenger/Right Front Upper Bracket to side of body panel (all models)



(Fig 17) Slide Upper Bracket (D) over weld nut if equipped-also see Fig 2

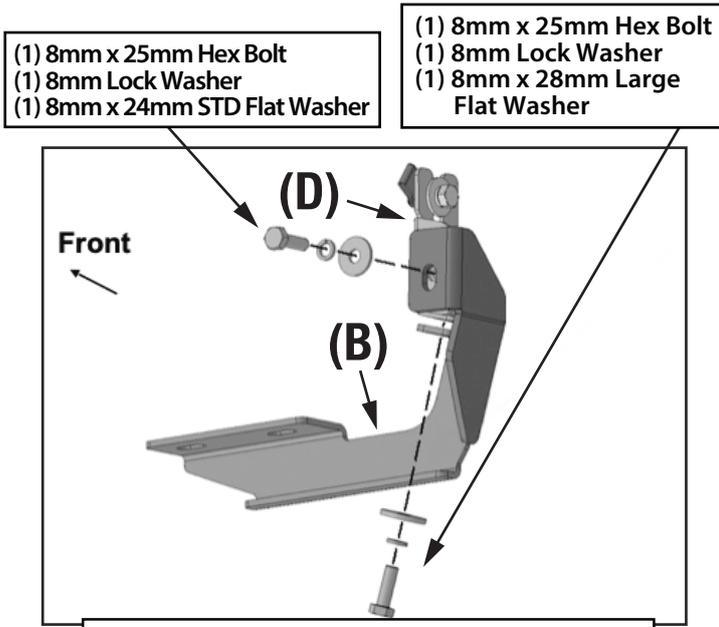
**STEP 10**

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

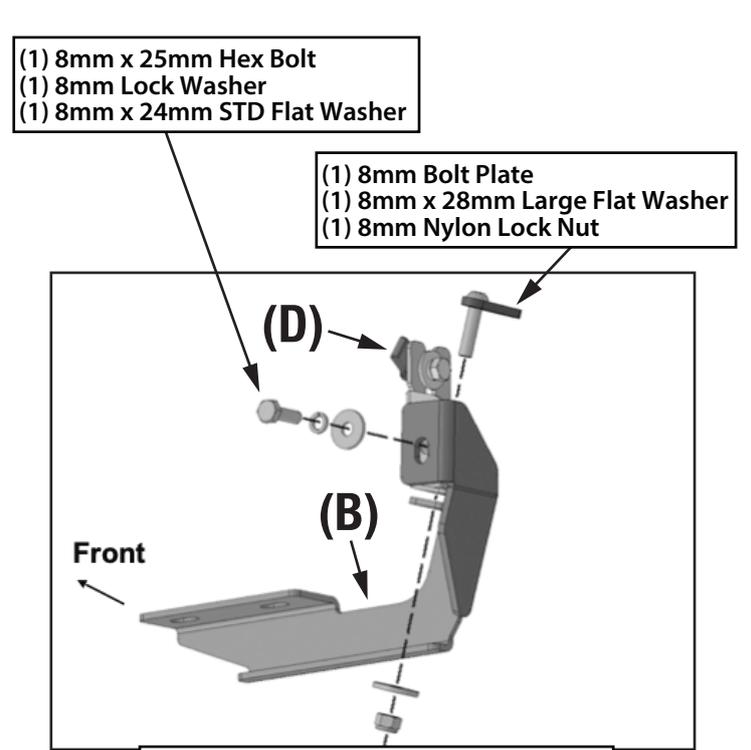
**Models with a weld-nut:**

- a. Slide the bottom of the Bracket over the weld-nut (Fig 17).
- 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 18). Leave loose at this time.

**Passenger/Right side Installation Pictured**



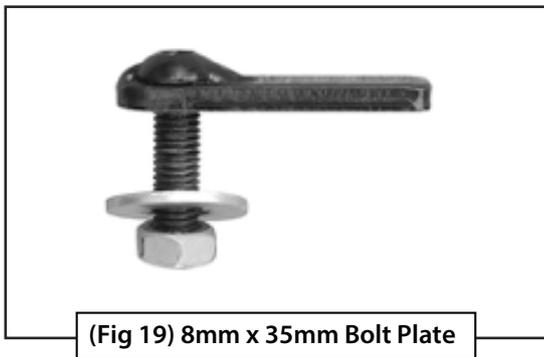
(Fig 18) On models with weld nut on pinch weld, attach passenger/right Front Lower Bracket to Upper Bracket and bottom of body



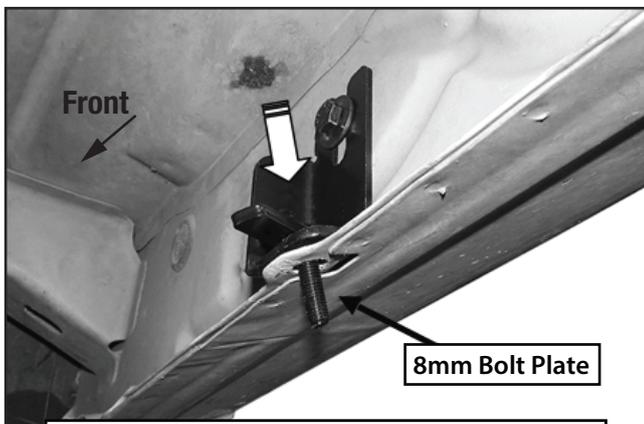
(Fig 21) On models with flat tab, attach passenger/right Front Lower Bracket to Upper Bracket and bottom of body

**Models with flat tab and hole:**

a. Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab (Figs 19-21).



(Fig 19) 8mm x 35mm Bolt Plate



(Fig 20) On models with flat tab (see Fig 3 & 4), insert 8mm Bolt Plate (Fig 19) down through Upper Bracket and mounting tab

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 21). DO NOT tighten hardware.

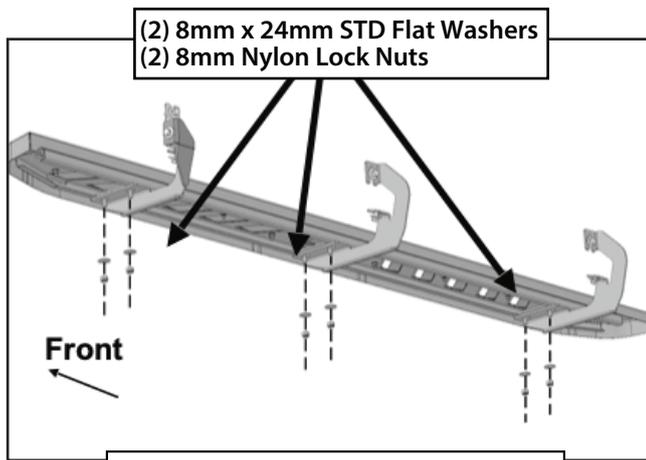
**STEP 11**

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 18 & 21). 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 22).

**Passenger/Right side Installation Pictured**



(Fig 22) Attach passenger/right side Running Board to Mounting Brackets

### 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

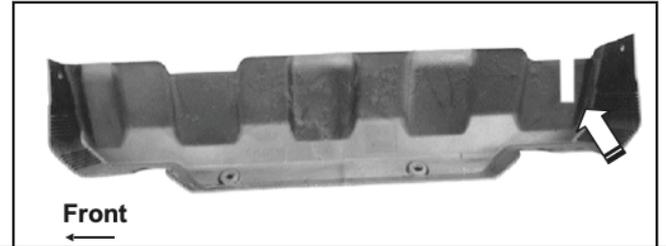
Once the Running Boards are installed, lined up to side of vehicle and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **STEP 8**.

**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 23). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket (Fig 24), and reinstall.

#### Passenger/Right side Installation Pictured



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



(Fig 24) 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.