



# TYGER®

## BLADE®

TG-BL8C7148

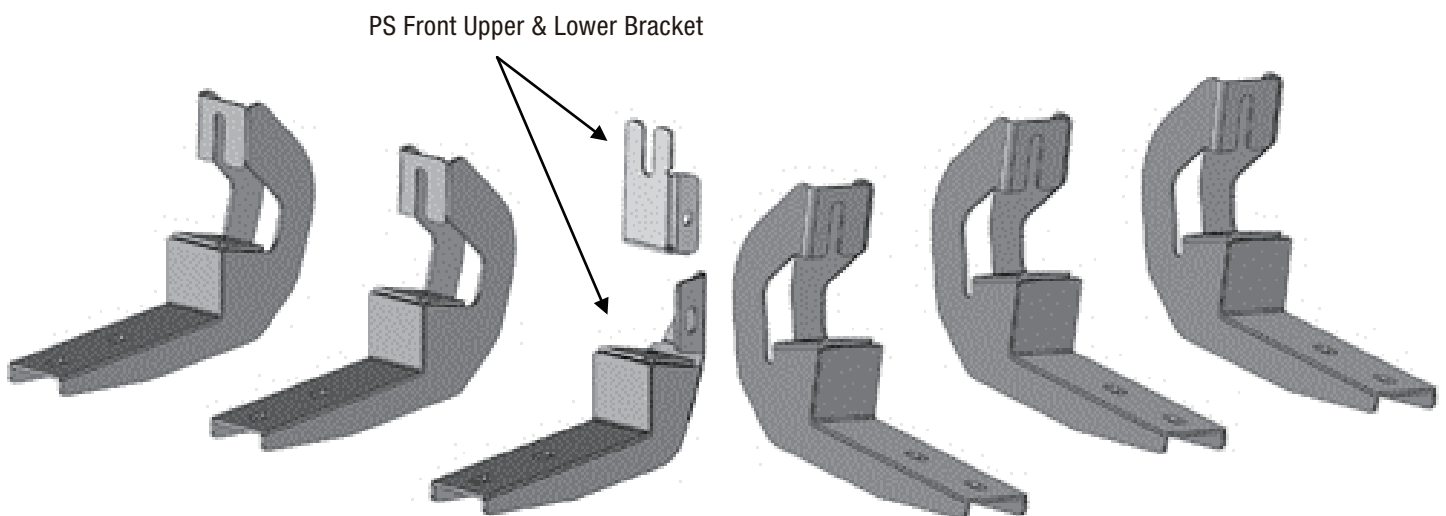
### BEFORE INSTALLATION

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)

| 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                    |

### PARTS LIST

|  |                                  |  |
|--|----------------------------------|--|
| <b>x2</b> Running Boards                         | <b>x6</b> 8mm Double Bolt Plates | <b>x24</b> 8mm x 24mm x 2mm Flat Washers |
| <b>x5</b> Mounting Brackets                      | <b>x8</b> 8mm Bolt Plate         | <b>x13</b> 8-1.25mm x 25mm Hex Bolt      |
| <b>x1</b> Passenger/Front Upper Mounting Bracket | <b>x11</b> 8-1.25mm Clip Nuts    | <b>x13</b> 8mm Lock Washers              |
| <b>x1</b> Passenger/Front Lower Mounting Bracket | <b>x13</b> 8mm Lock Washers      | <b>x1</b> 8mm x 28mm x 3mm Flat Washers  |





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## PROCEDURE

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. 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 6 tabs along the bottom edge of the body, (pinch weld). Mounting Brackets will bolt to the 1st, 3rd and 6th 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.

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, (Figure 3). Line up threaded nut with hole in the tab. Repeat for each mounting location.

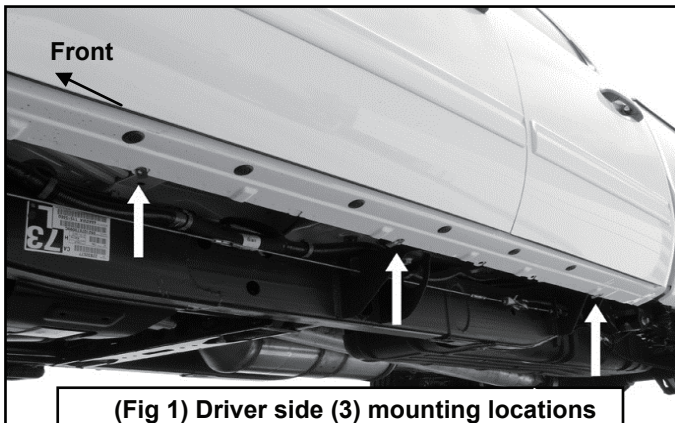
#### Locate top mounting location on the back side of the body panel.

Models with factory installed threaded insert in body panel:

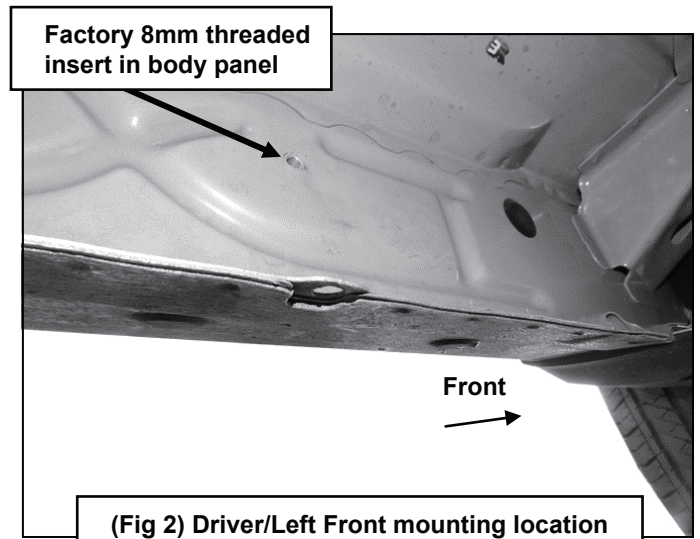
Thread 8mm Hex Bolt into threaded insert to clear paint as required, (Figures 2 & 3).

Large and small hole in side of body panel:

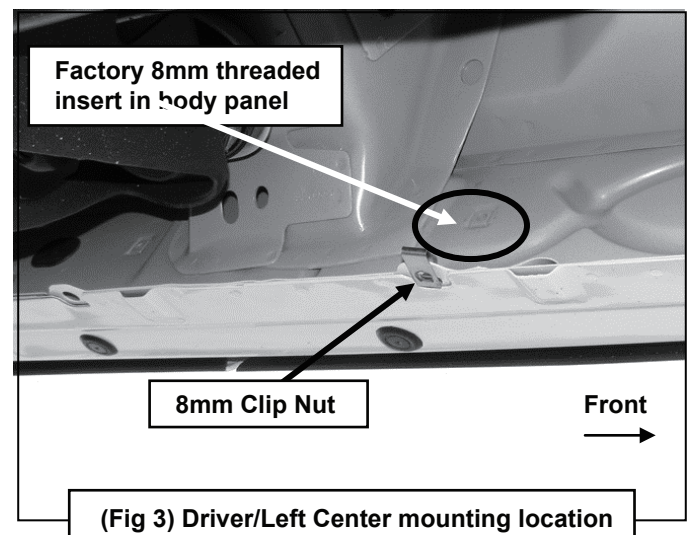
Remove the rubber plug from the larger hole, (Figure 4). Select (1) 8mm Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole.



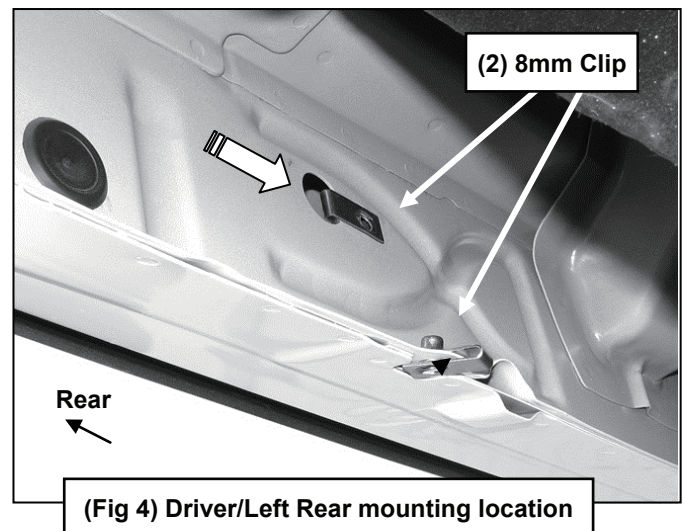
(Fig 1) Driver side (3) mounting locations



(Fig 2) Driver/Left Front mounting location



(Fig 3) Driver/Left Center mounting location



(Fig 4) Driver/Left Rear mounting location



## STEP 3

Select (1) Mounting Bracket. NOTE: (5) Brackets are universal and will fit all Driver/Left locations and Passenger/Right center and rear locations. 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, (Figure 5). Do not tighten hardware.

## STEP 4

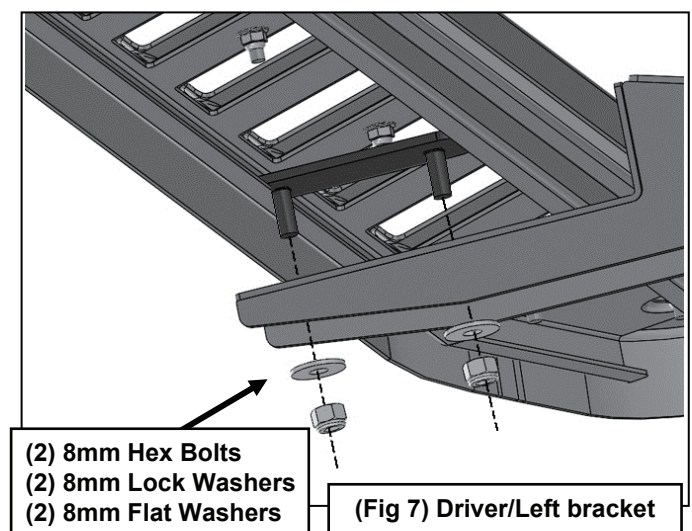
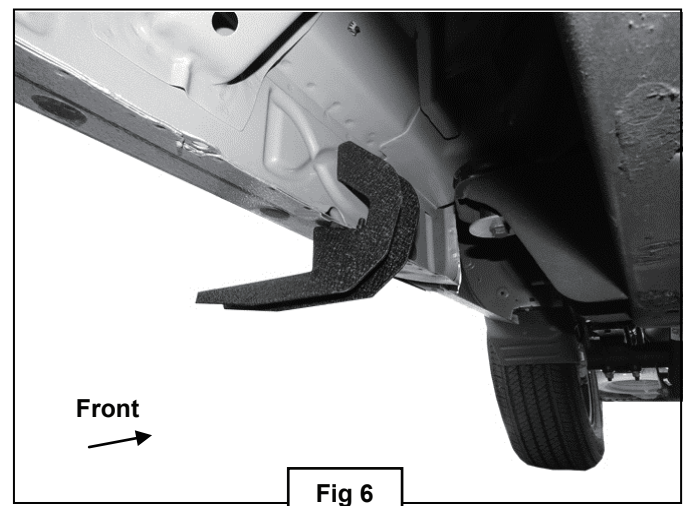
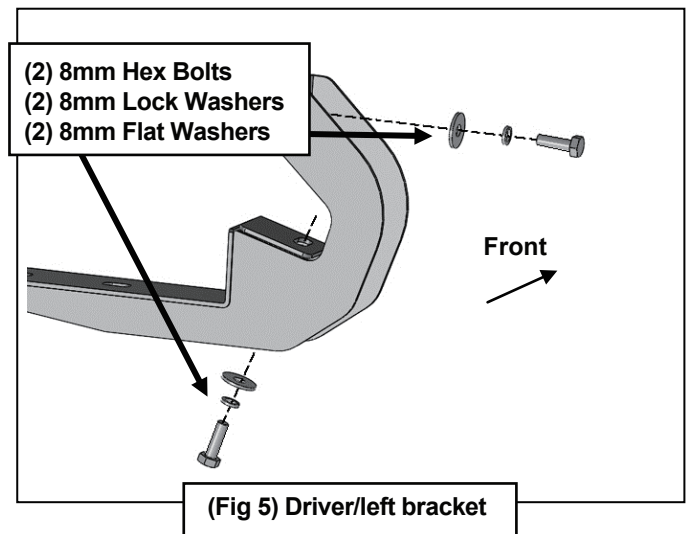
Repeat Steps 1—3 to install the (2) remaining driver side Brackets.

## STEP 5

Select a Running Board. Carefully position the Running Board onto the (3) Mounting Brackets. Select (3) 8mm Double Bolt Plates and insert into the channel on the bottom of the board, line up to the mounting brackets.

## STEP 6

Thread (6) 8mm Flat Washers and (6) 8mm Nylon Lock Nuts on the (3) 8mm Double Bolt Plates. Do not tighten 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 10 & 11).

**Models without DEF tank, skip to Step 7.**

**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 very limited. Determine model year of vehicle before proceeding.

**Up to 2016 models:**

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.

- On models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, (Figure 9), and remove the tray.
- Release the tank filler hose. Release the plug for the sending unit on the top of the tank.
- 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.
- Remove the (2) bolts securing the tank straps to the vehicle, (Figure 10). 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.
- Proceed to Step 8.

**On 2017 models and on:**

- If necessary, remove the (4) hex bolts attaching plastic cover to DEF tank, (Figure 11) and remove plastic cover for better access. **NOTE:** On 2017-on 2500/3500 models, only remove plastic cover from DEF tank. Do not lower DEF tank and proceed to Step 8.

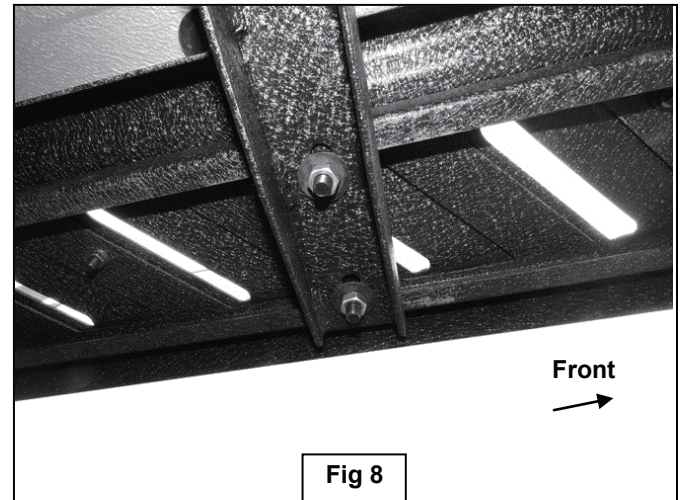
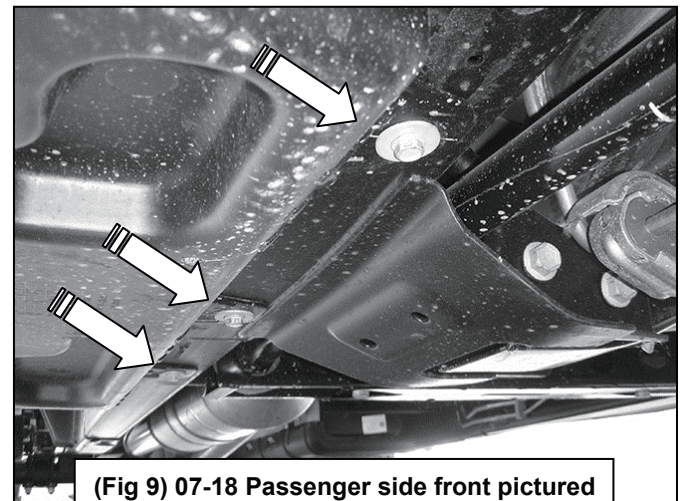
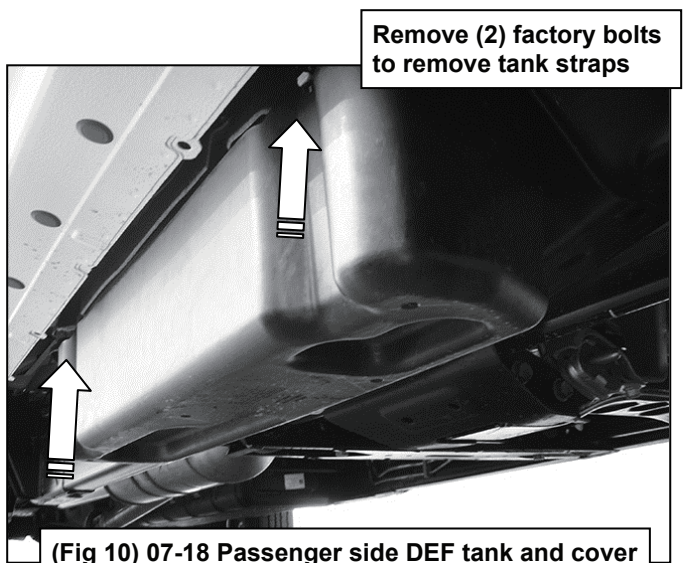


Fig 8



(Fig 9) 07-18 Passenger side front pictured with DEF tank cover. Remove (3) hex bolts to remove cover



Remove (2) factory bolts to remove tank straps

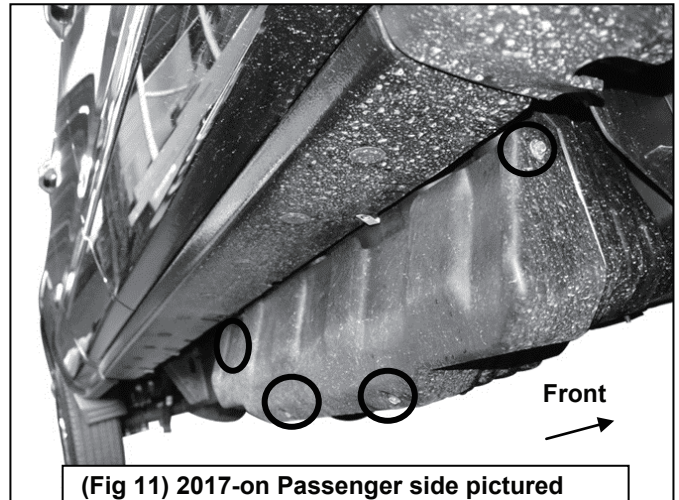
(Fig 10) 07-18 Passenger side DEF tank and cover



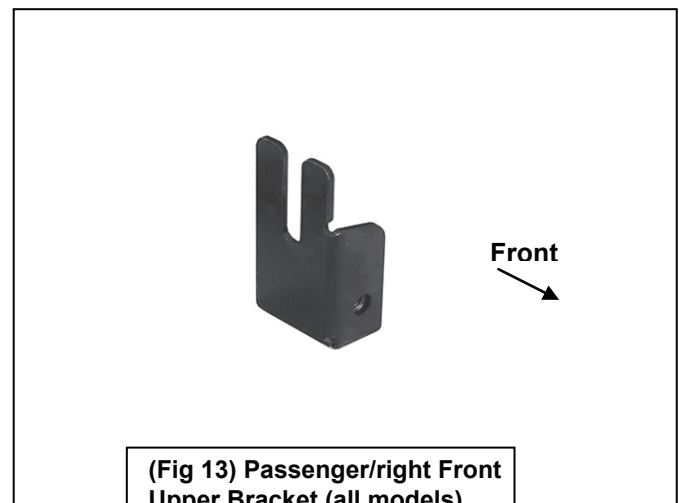
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## STEP 8

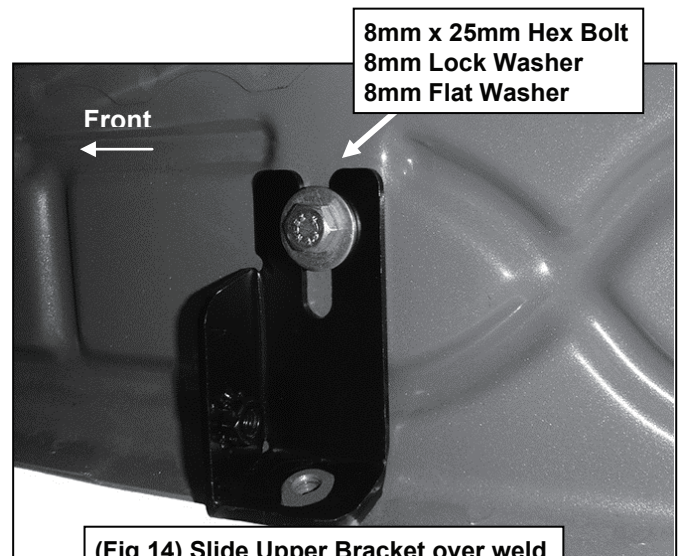
Locate the first tab on the edge of the pinch weld. Select the Upper Bracket, (Figure 13). Repeat Steps 2 & 3 to attach the passenger front Upper Bracket to the side of the body panel, (Figure 14). Do not tighten hardware at this time.



(Fig 11) 2017-on Passenger side pictured with DEF plastic tank cover. If needed, remove (4) hex bolts to remove plastic cover.



(Fig 13) Passenger/right Front Upper Bracket (all models)



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



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## STEP 9

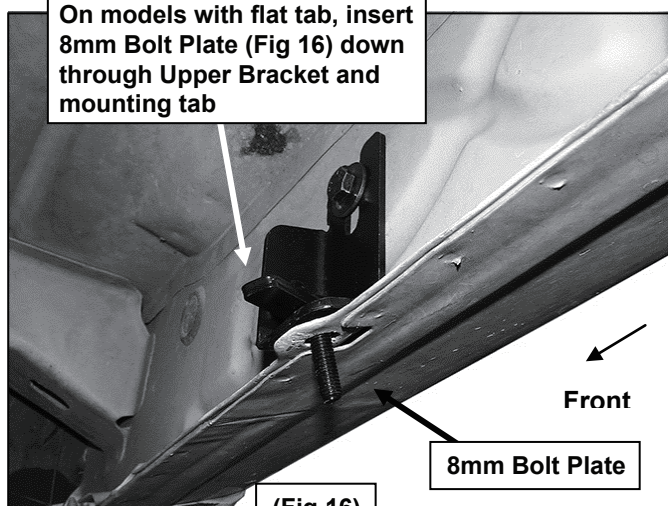
Line up the hole in the bottom of the Upper Bracket with the hole in the tab on the pinch weld.

- Models with a weld-nut: Slide the Bracket over the weld-nut, (Figure 14). 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, (Figure 18). Leave loose at this time.
- Models with flat tab and hole: Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab, (Figures 15, 16 & 18). Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Nylon Lock Nut. Leave loose at this time.



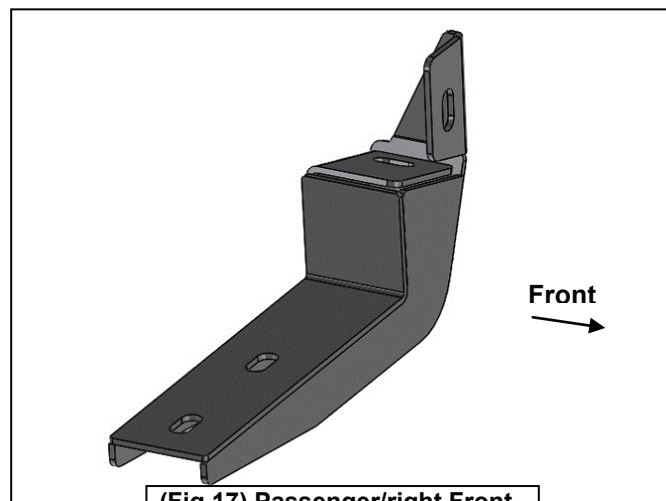
(Fig 15)

On models with flat tab, insert 8mm Bolt Plate (Fig 16) down through Upper Bracket and mounting tab



(Fig 16)

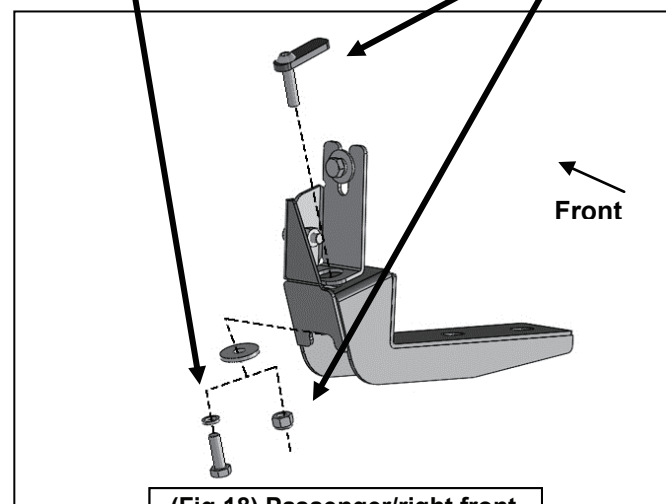
8mm Bolt Plate



(Fig 17) Passenger/right Front Lower Bracket (all models)

On models with welded nut:  
8mm Lock Washer  
8mm Hex Bolt

On models with flat tab:  
8mm Bolt Plate  
8mm Flat Washer  
8mm Nylon Lock Nut  
to attach Lower Bracket to Bolt Plate



(Fig 18) 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, (Figure 19). Leave loose at this time.

## STEP 11

Repeat Steps 1—3 for the (2) remaining passenger side Bracket installations.

## STEP 12

Repeat Steps 5 & 6 to install the passenger/right 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.

## STEP 14

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

