



# TYGER®

## RISER®

TG-RS9C60037  
TG-RS9C60038

### BEFORE INSTALLATION

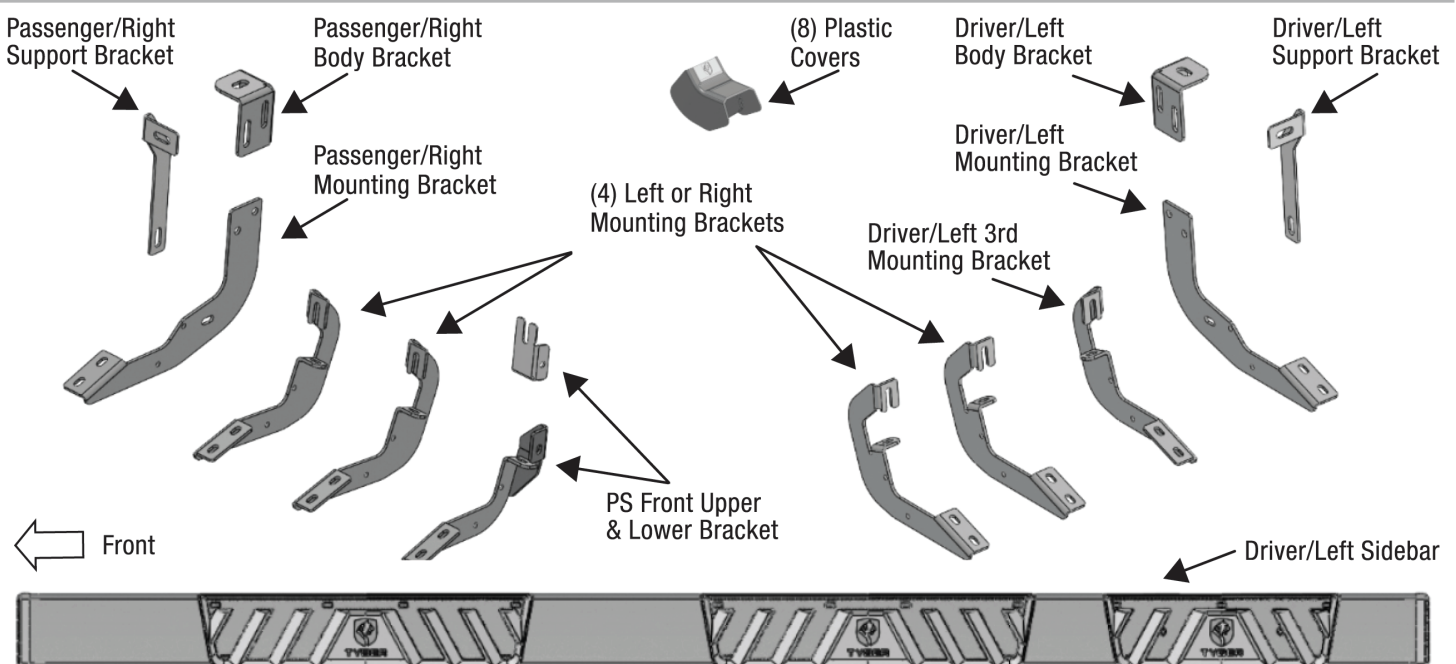
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM,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

## Parts List

- |  |  |                                     |
|--|--|-------------------------------------|
| x1 Driver/Left Sidebar                     | x1 Passenger/Right Body Bracket          | x8 10mm Lock Washers                |
| x1 Passenger/Right Sidebar                 | x1 Driver/Left Rear Mounting Bracket     | x8 10-1.50mm Hex Nuts               |
| x1 Passenger/Right Front Upper Bracket     | x1 Passenger/Right Rear Mounting Bracket | x2 10mm Plastic Retainers           |
| x1 Passenger/Right Front Lower Bracket     | x1 Driver/Left Support Bracket           | x15 8mm Clip-On Nuts                |
| x4 Mounting Brackets Driver/Passenger side | x1 Passenger/Right Support Bracket       | x1 8-1.25mm Bolt Plate              |
| x1 Driver/Left 3rd Mounting Bracket        | x8 Plastic Bracket Covers                | x13 8-1.25mm x 25mm Hex Bolts       |
| x1 Driver/Left Body Bracket                | x16 Plastic retaining Clips              | x13 8mm x 24mm x 2mm Flat Washers   |
|  | x2 10-1.50mm Bolt Plates                 | x13 8mm Lock Washers                |
|  | x6 10-1.50mm x 30mm Hex Bolts            | x1 8mm Nylon Lock Nut               |
|  | x14 10mm x 20mm x 2mm Flat Washers       | x16 8-1.25mm x 25mm Combo Hex Bolts |





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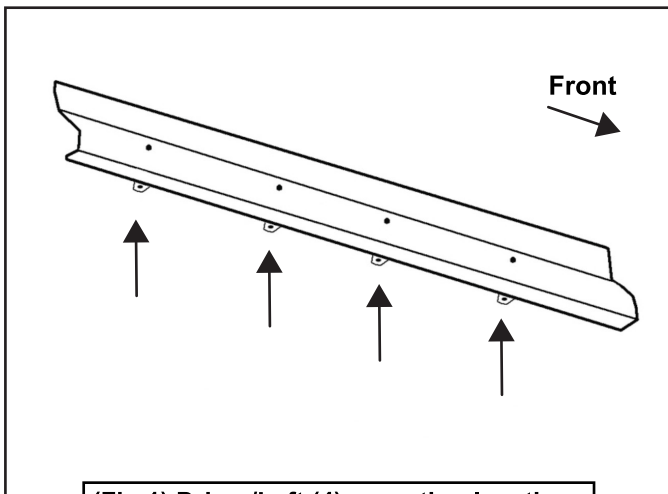
## PROCEDURE:

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/Left side of the vehicle. Locate the 4 tabs along the bottom edge of the body, (pinch weld). Mounting will use all tab locations, (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.

Driver/Left Side Installation Pictured



(Fig 1) Driver/Left (4) mounting locations

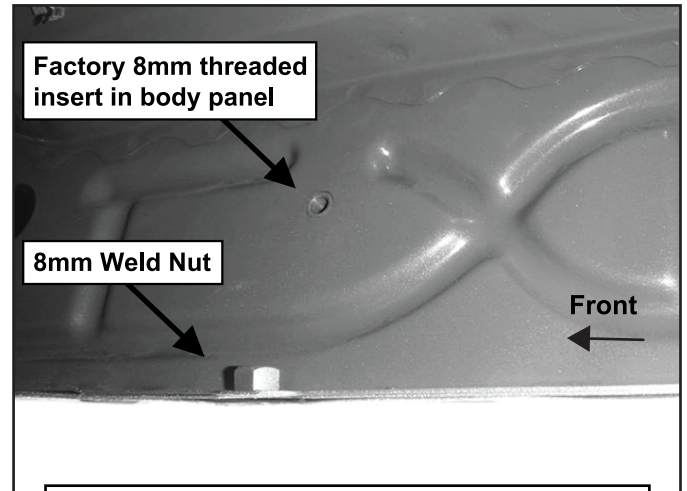
## STEP 2

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).

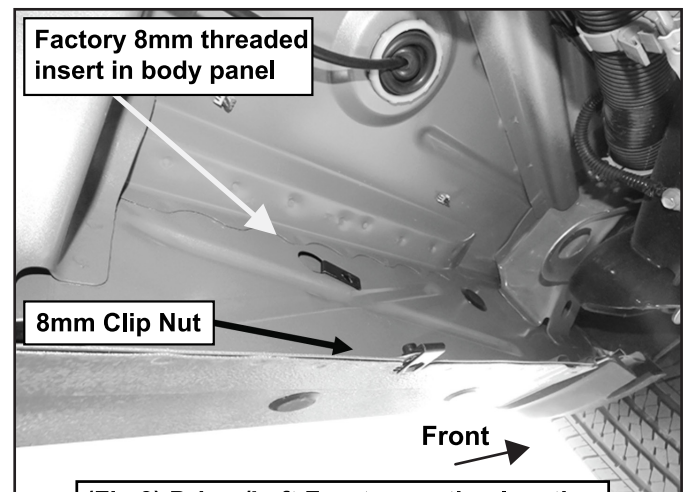
Driver/Left Side Installation Pictured



(Fig 2) Passenger/Right Front mounting location

- **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.

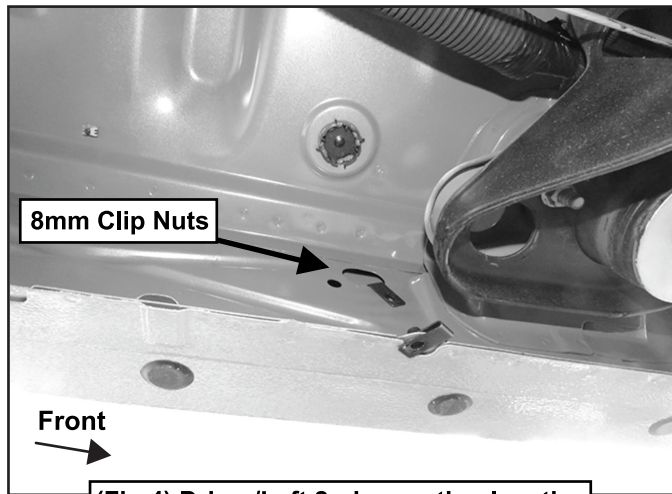
Driver/Left Side Installation Pictured



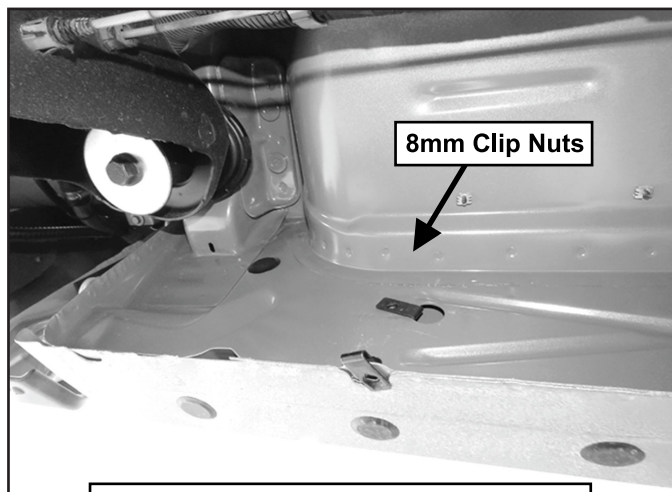
(Fig 3) Driver/Left Front mounting location



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(Fig 4) Driver/Left 2nd mounting location



(Fig 5) Driver/Left 3rd mounting location

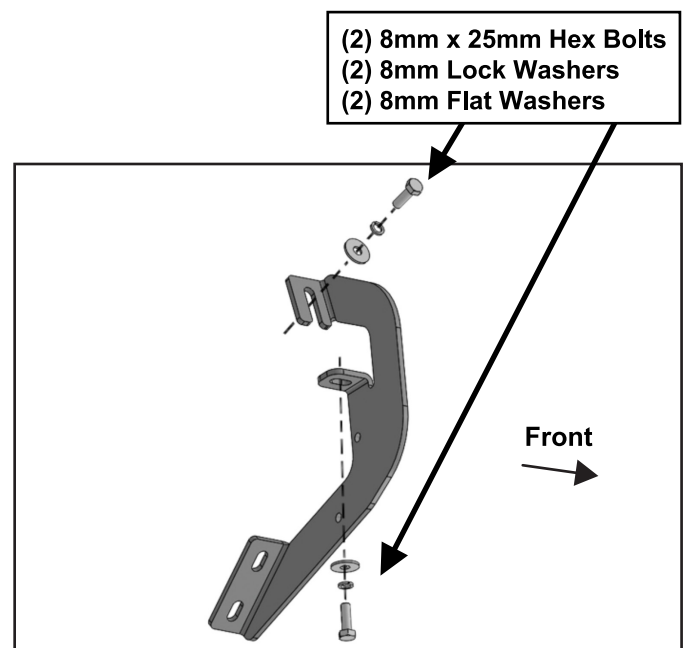
**Locate top mounting location on the back side of the rocker panel.**

- **Models with factory installed threaded insert in rocker panel:**  
Thread 8mm Hex Bolt into threaded insert to clear paint as required, (Figure 2).
- **Large and small hole in side of rocker panel:**  
Remove the rubber plug from the larger hole. Select (1) 8mm Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole, (Figures 3—5).

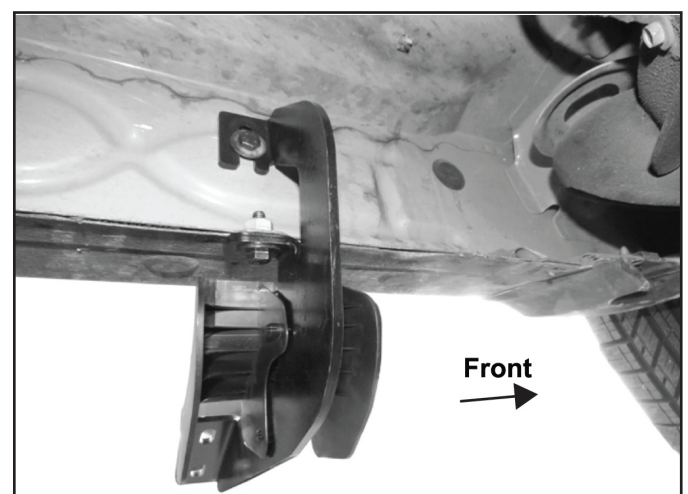
## STEP 3

Select (1) Driver/Passenger Mounting Bracket. 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 6 & 8). DO NOT tighten hardware.

**Driver/Left Side Installation Pictured**



(Fig 6) Driver/Left Front bracket installed



(Fig 8) Driver/Left Front Bracket with Cover installed

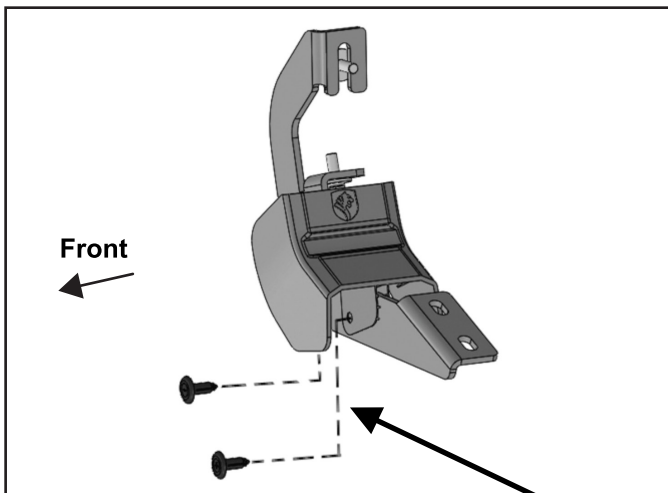


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## STEP 4

Select (1) Plastic Bracket Cover and (2) Retaining Clips. Slide the Cover over the Driver/left Front Bracket. Line up the (2) mounting holes in the Cover with the holes in the Bracket. Insert the Clip into the holes and push center pin to expand Clip, (Figure 7 & 8). Repeat this Step for all Cover installations.

Driver/Left Side Installation Pictured

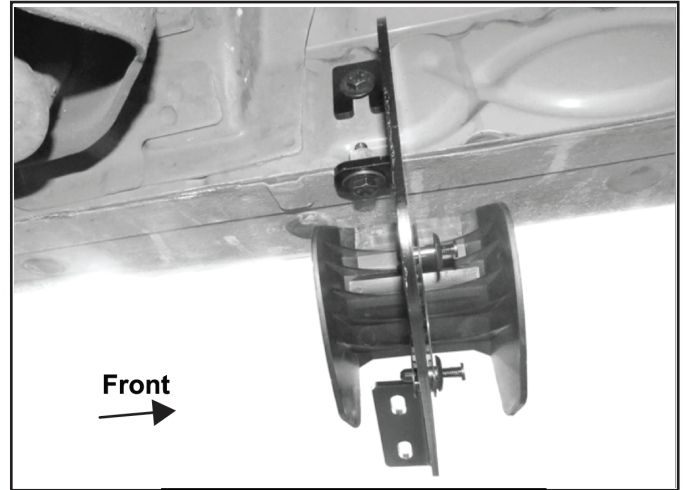


(Fig 7) Slide Cover over top of Bracket. Attach Cover to Bracket with (2) Retaining Clips

## STEP 5

Repeat **STEPS 1—4** to install the 2nd Driver/Left side Bracket and Cover, (Figures 6 - 9).

Driver/Left Side Installation Pictured

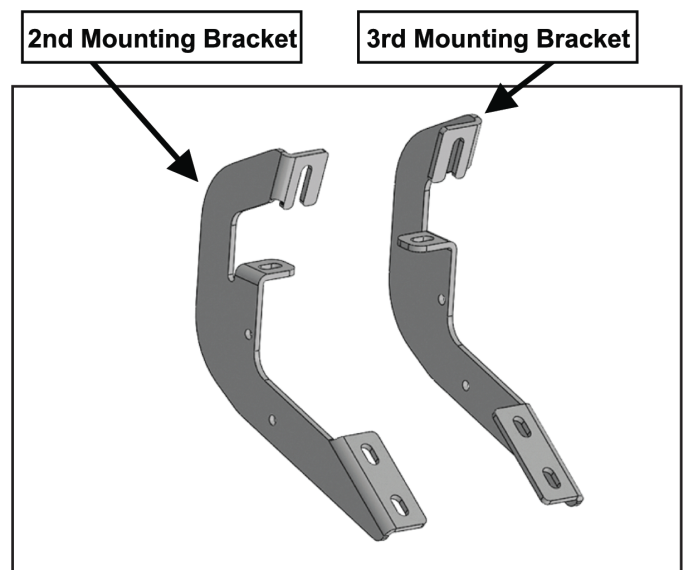


(Fig 9) Driver/Left 2nd Bracket with cover installed

## STEP 6

Move to the 3rd mounting location. Determine the Driver/Left 3rd Mounting Bracket by using the illustration above and (Figure 10). Repeat **STEPS 1—4** to attach the bracket to the rocker panel. DO NOT tighten hardware at this time.

Driver/Left Side Installation Pictured



(Fig 10) NOTE: Driver/Left 2nd Bracket and Driver/Left 3rd Bracket are reversed

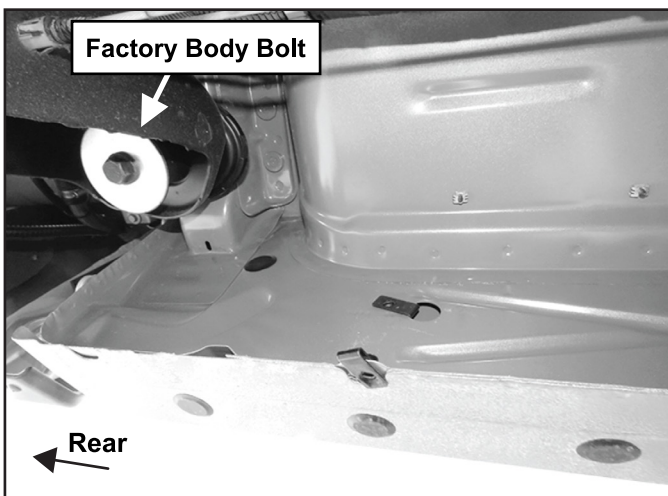




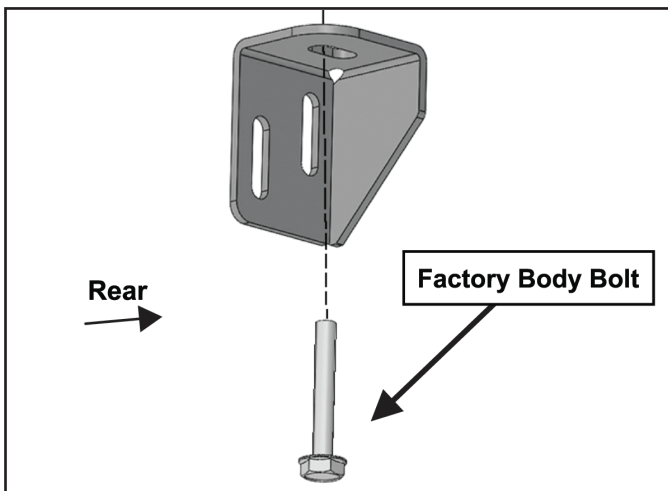
## STEP 7

Temporarily remove the factory rear body bolt. Select the Driver/Right Body Bracket. Attach Bracket to the body mount with the factory body bolt, (Figures 11 & 12). DO NOT tighten hardware at this time.

### Driver/Left Side Installation Pictured



(Fig 11) Remove the factory body bolt



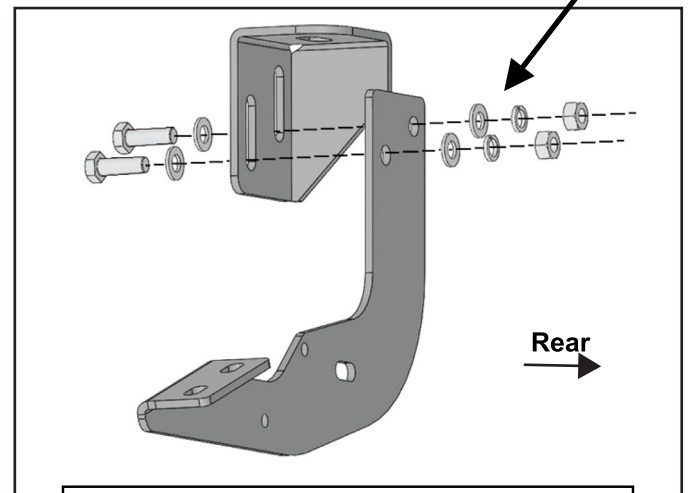
(Fig 12) Factory Body Bolt installation

## STEP 8

Attach Driver/Left Rear Mounting Bracket to the slots in the Body Mount Bracket with (2) 10mm Hex Bolts, (4) 10mm Flat Washers, (2) 10mm Lock Washers and (2) 10mm Hex Nuts, (Figure 13).

### Driver/Left Side Installation Pictured

(2) 10mm Hex Bolts  
(4) 10mm Flat Washers  
(2) 10mm Lock Washers  
(2) 10mm Hex Nuts



(Fig 13) Driver/Left Mount Bracket installation

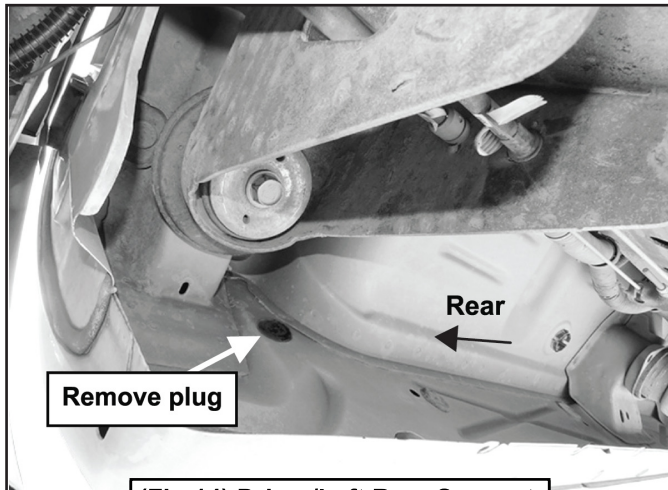
## STEP 9

Remove the plastic plug in the rear mounting location in the rocker panel. Select (1) 10mm Bolt Plate. Insert the plate into the hole in Driver/Left Rear mounting location, (Figures 14 & 15). Thread the Plastic Retainer onto threads until snug, (Figure 16).

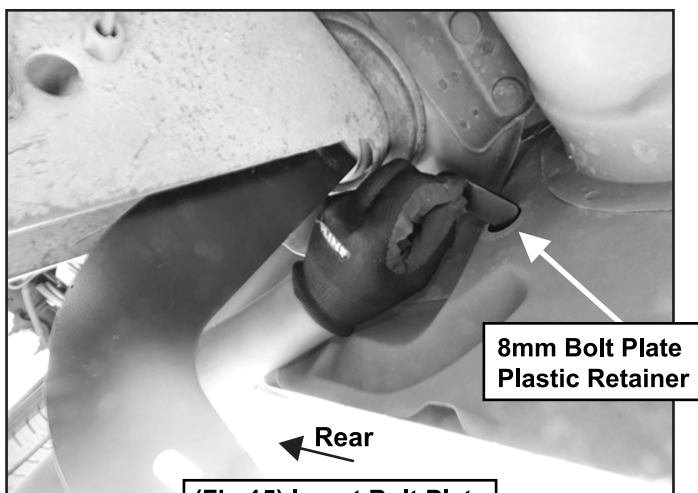


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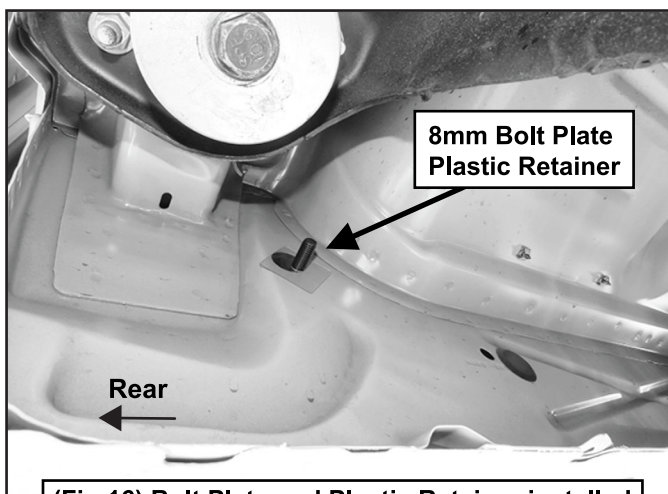
## Driver/Left Side Installation Pictured



(Fig 14) Driver/Left Rear Support Bracket mounting location



(Fig 15) Insert Bolt Plate

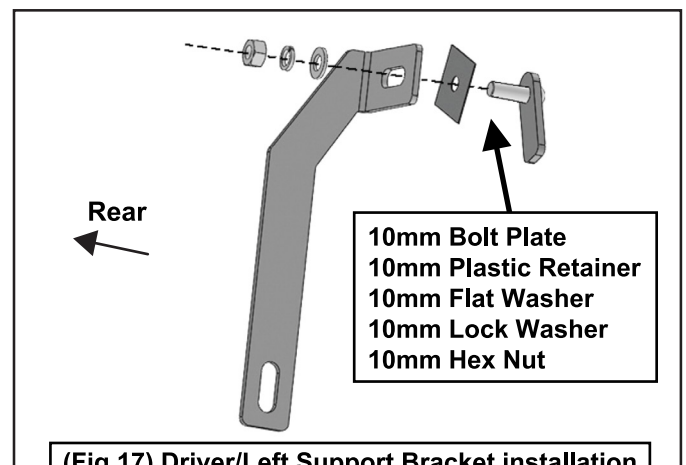


(Fig 16) Bolt Plate and Plastic Retainer installed

## STEP 10

Select the Driver/Left Support Bracket. Attach Support Bracket to the bolt plate with (1) 10mm Flat Washer, (1) 10mm Lock Washer and (1) 10mm Hex Nut, (Figure 17).

## Driver/Left Side Installation Pictured

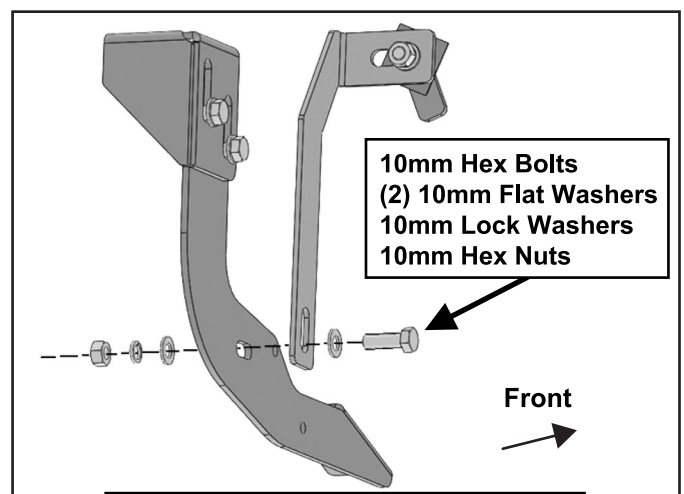


(Fig 17) Driver/Left Support Bracket installation

## STEP 11

Attach the Support Bracket to the front of the Mounting Bracket with (1) 10mm Hex Bolt, (2) 10mm Flat Washers, (1) 10mm Lock Washer and (1) 10mm Hex Nut, (Figure 18).

## Driver/Left Side Installation Pictured



(Fig 18) Driver/Left Support Bracket installation to Rear Mounting Bracket



## STEP 12

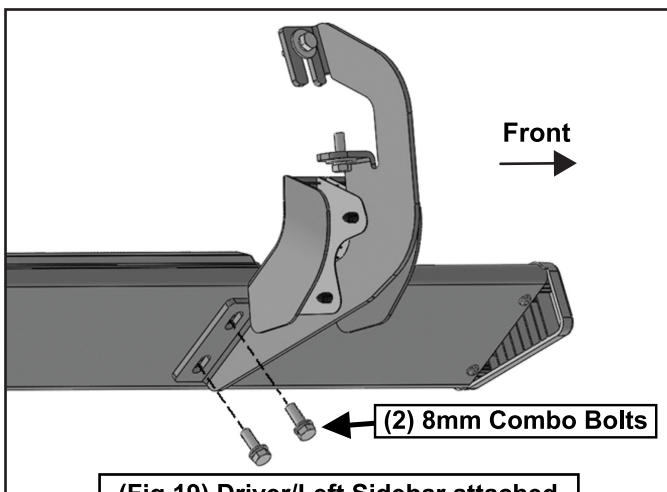
Repeat **STEP 4** to install (1) Plastic Cover on the Driver/Left Rear Mounting Bracket.

## STEP 13

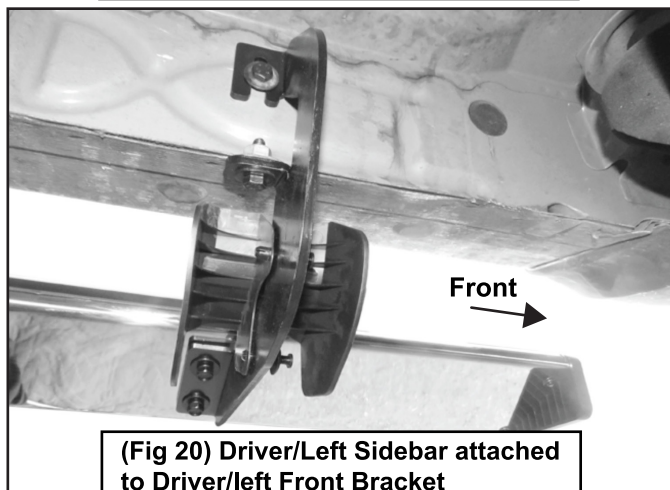
Select the Driver/Left Sidebar. Carefully position the Sidebar onto the (4) Mounting Brackets.

**IMPORTANT:** DO NOT slide the Sidebar on the Brackets or damage to the finish on the Sidebar may result. Attach the Sidebar to the (4) Brackets with (8) 8mm Combo Hex Bolts, (Figures 19 & 20). DO NOT fully tighten at this time.

**Driver/Left Side Installation Pictured**



(Fig 19) Driver/Left Sidebar attached to Front Bracket illustrated



## STEP 14

Level and adjust the Sidebar and fully tighten all hardware.

## STEP 15

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, (Figures 21 & 22).

**Models without DEF tank, skip to STEP 16.**

**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.

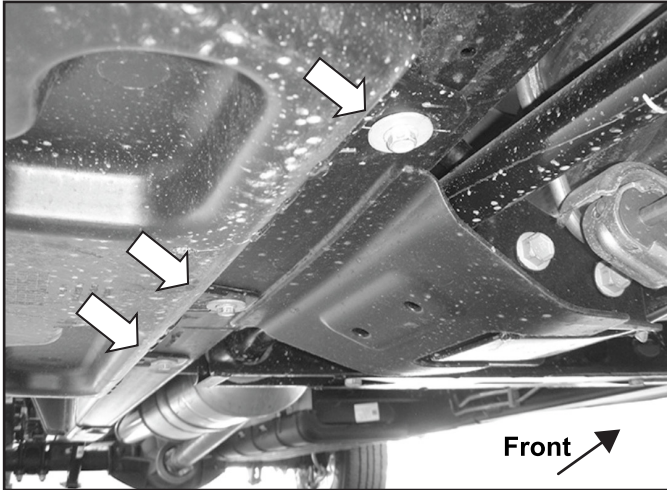
**IMPORTANT:** If tank is full, it will be very heavy and assistance is highly recommended to avoid injury or damage to the vehicle or the tank. It is recommended that installation is performed when the DEF tank is low on fluid before dropping the tank.

- On models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, (Figure 21), 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 22). 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 16.

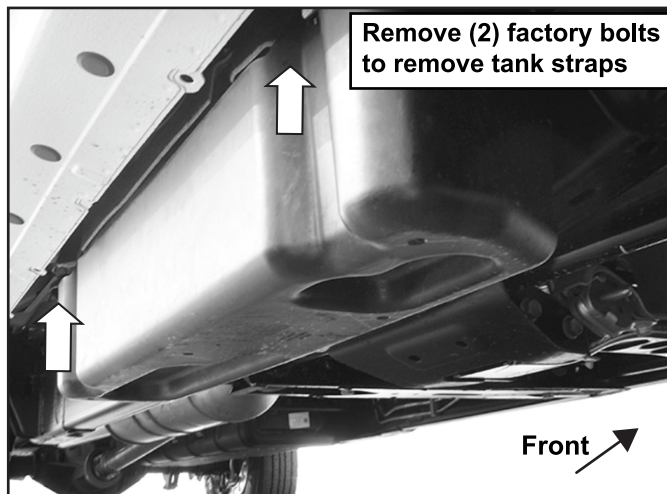


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## Passenger/Right Side Installation Pictured



(Fig 21) 07-16 Passenger/Right front pictured with DEF tank cover. Remove (3) hex bolts to remove cover



Remove (2) factory bolts to remove tank straps

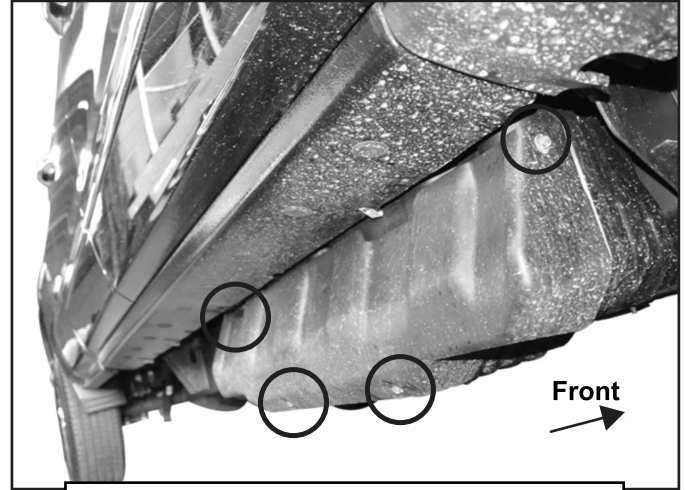
(Fig 22) 07-16 Passenger/Right DEF tank and cover

### 2017 models and on:

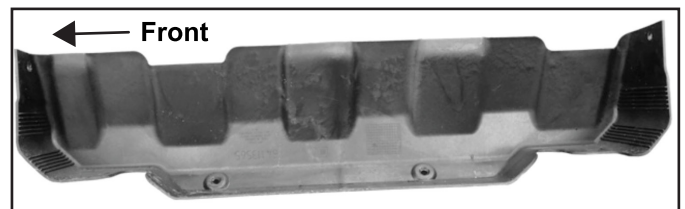
a. Remove the (4) hex bolts attaching plastic cover to DEF tank, (Figure 23A) and remove plastic cover, (Figure 23B).

**NOTE:** On 2017-on 2500/3500 models, only remove plastic cover from DEF tank. DO NOT lower DEF tank and proceed to STEP 16.

## Passenger/Right Side Installation Pictured



(Fig 23A) 2017-on Passenger/Right pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



(Fig 23B) 2017-on Passenger/Right DEF cover

## STEP 16

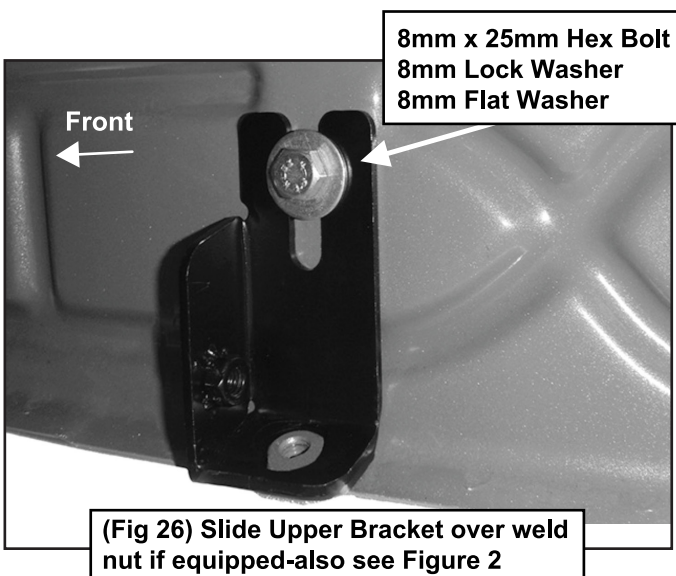
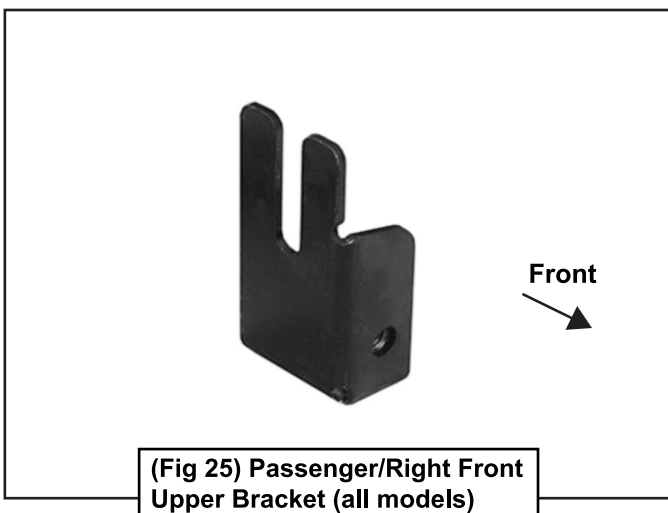
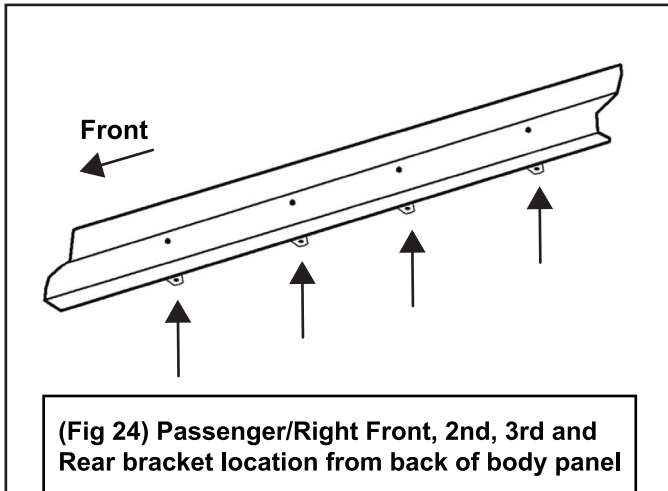
Locate the first tab on the edge of the pinch weld, (Figure 24). Select the Upper Bracket, (Figure 25). Attach the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figure 26). DO NOT tighten hardware at this time.





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## Passenger/Right Side Installation Pictured

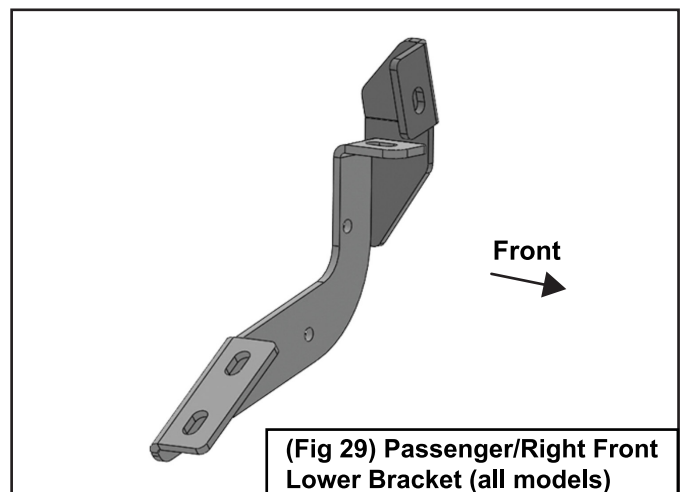


## STEP 17

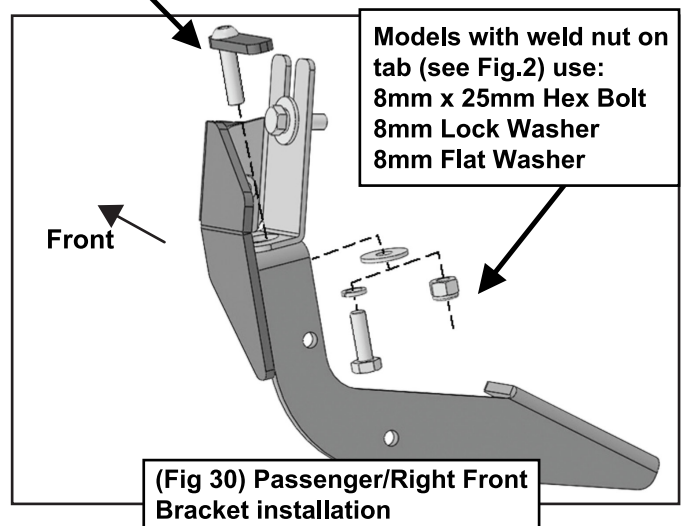
Line up the hole in the bottom of the Upper Bracket with the hole in the tab on the pinch weld.

**a. Models with a weld-nut:** Slide the Bracket over the weld-nut, (Figure 26). 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 26, 29 & 30). Leave loose at this time.

## Driver/Left Side Installation Pictured



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





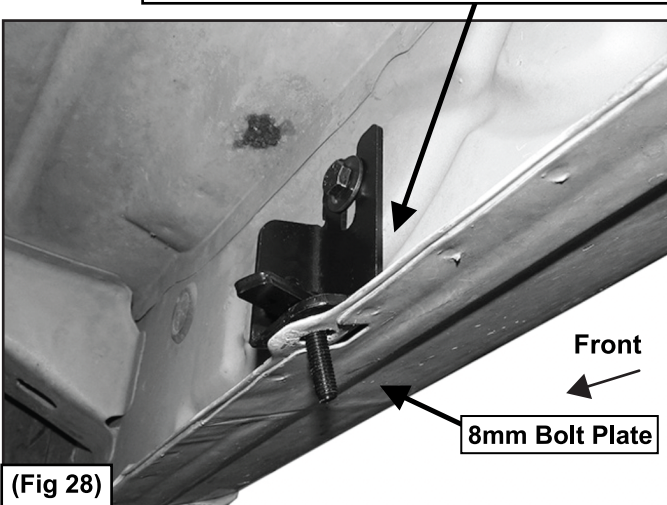
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**b. Models with flat tab and hole:** Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab. Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer and (1) 8mm Nylon Lock Nut, (Figures 27—30). Leave hardware loose at this time.



(Fig 27) 8mm x 35mm Bolt Plate

On models with flat tab (see Fig 3 & 4) insert 8mm Bolt Plate (Fig 16) down through Upper Bracket and mounting tab

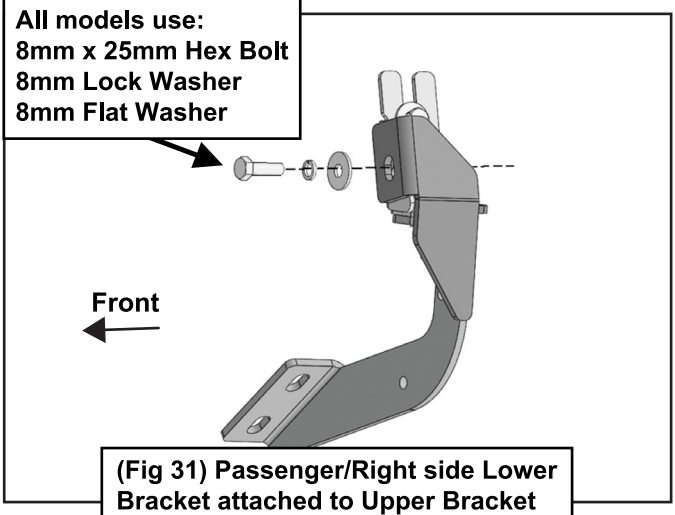


(Fig 28)

## STEP 18

Attach the tab on the Lower Mounting Bracket to the side of the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figure 31). Leave loose at this time.

Passenger/Right Side Installation Pictured



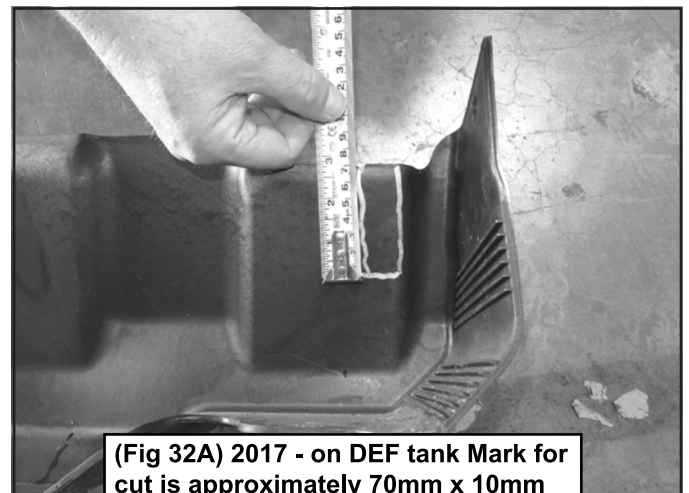
## STEP 19

Repeat **STEPS 1—4** for the 2nd and 3rd passenger side Bracket installations.

**NOTE:** Cradles on Brackets installed on passenger side will face forward.

**a. 2017-on DEF tank models:** Locate the 2nd tab bracket location along the bottom edge of the body, (pinch weld), (Figure 24). Hold the DEF cover in place and mark the location onto the cover, (Figures 32A & 32B). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket. Remove as little plastic as possible.

Passenger/Right Side Installation Pictured





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## STEP 20

Repeat **STEPS 7—12** to install Passenger/Right Rear Brackets.

## STEP 21

Repeat Steps 13 & 14 to install the Passenger/Right Sidebar.

## STEP 22

Once the Sidebar has been installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **STEP 15**.

## STEP 23

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