



# TYGER®

## TYGER RIDER®

TG-SS2C35298

### BEFORE INSTALLATION

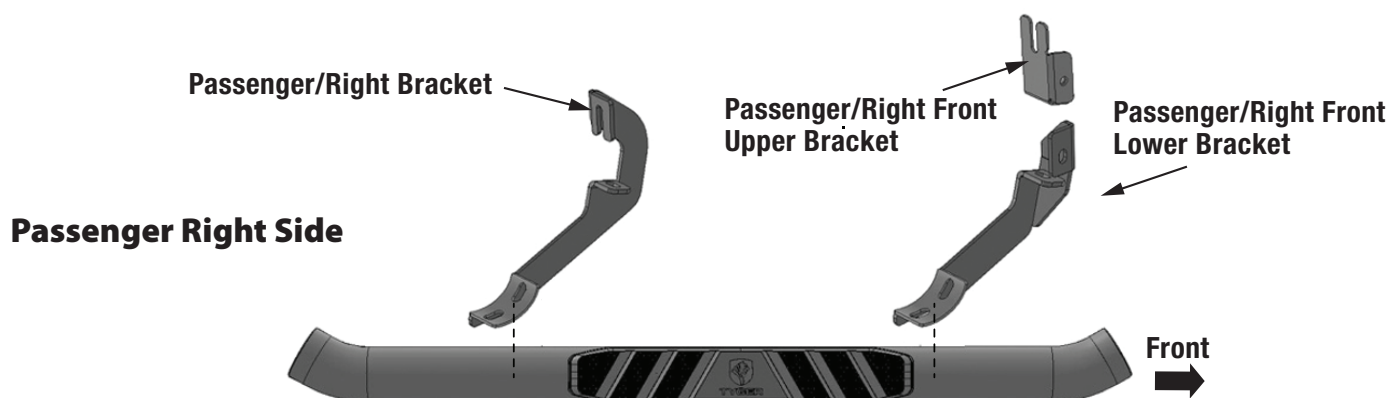
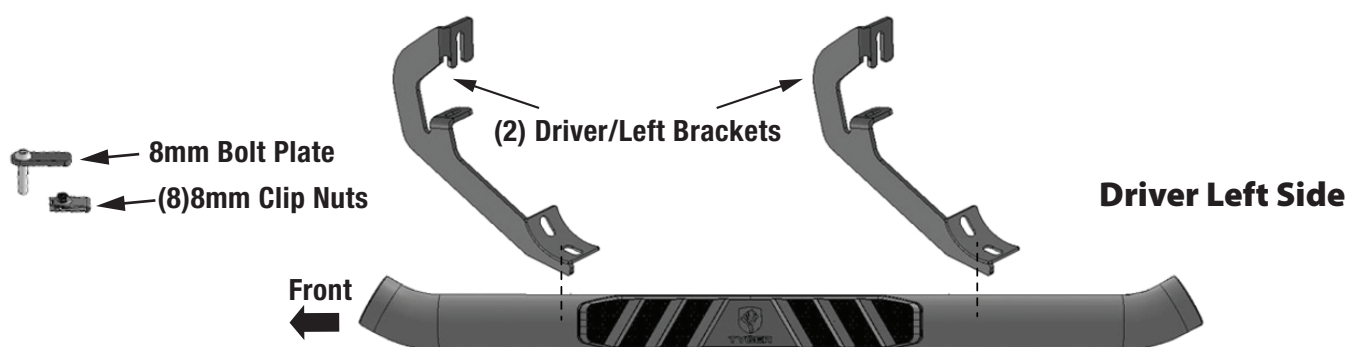
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM, 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 Sidebar
- x1 Passenger/Right Front Upper Bracket
- x1 Passenger/Right Front Lower Bracket
- x3 Mounting Brackets (use for left or right)
- x1 8-1.25mm Bolt Plate
- x8 8-1.25mm Clip-On Nuts
- x9 8-1.25mm x 25mm Hex Bolts
- x9 8mm x 24mm x 2mm Flat Washers
- x9 8mm Lock Washers
- x1 8mm Nylon Lock Nut
- x8 8-1.25mm x 25mm Combo Hex Bolts



## Bottom View

**Front**  
←

**Passenger Right Side**



**Driver Left Side**

**Front**  
→



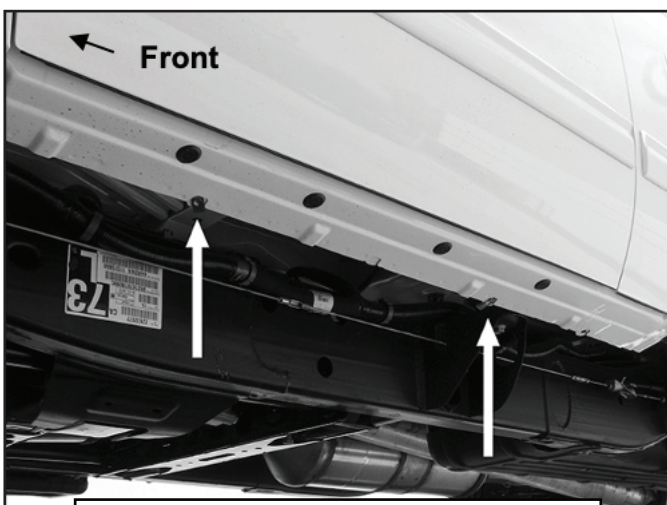
### PROCEDURE:

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 2 tabs along the bottom edge of the body, (pinch weld). Mounting Brackets will attach to the factory running board mounting tabs (Fig 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 side mounting locations

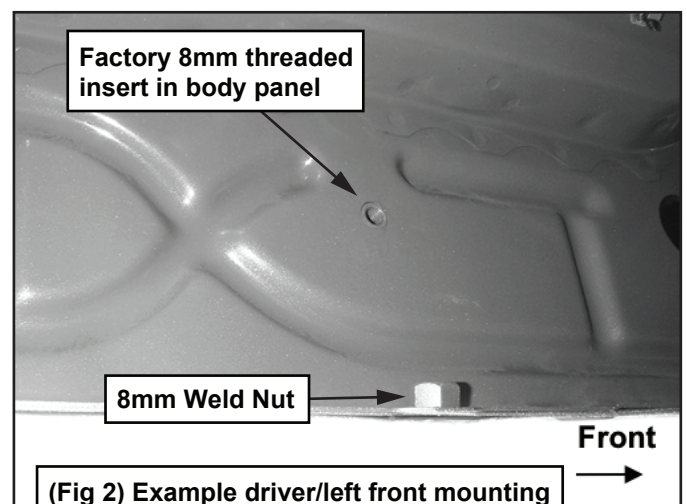
### STEP 2

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:**

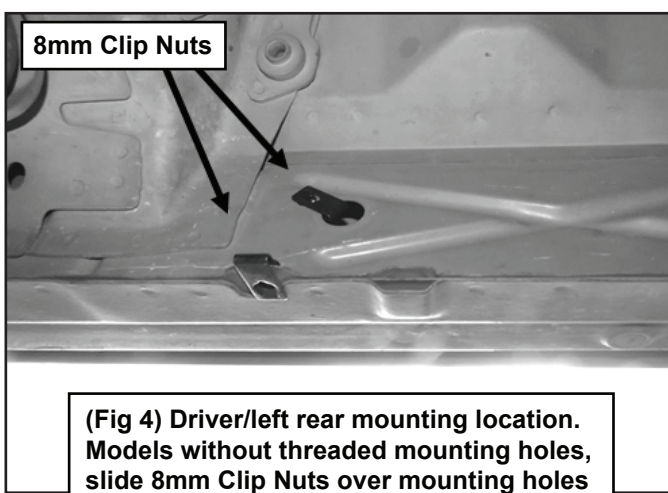
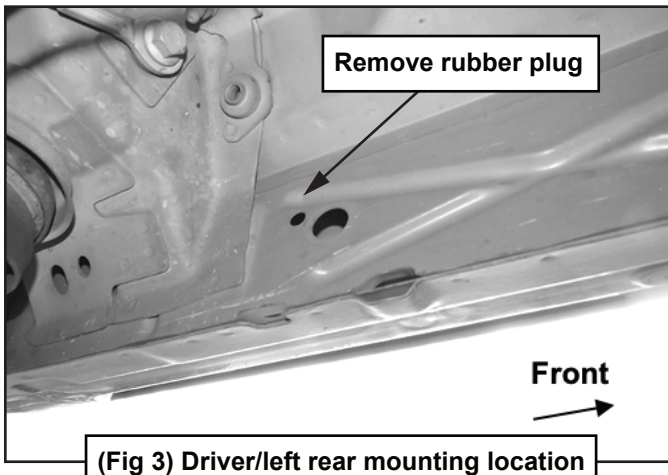
Thread hex bolt into weld nut from the backside-down to clear paint from threads (Fig 2).



(Fig 2) Example driver/left front mounting location with threaded mounting hole and weld nut

### 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 & 4). 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 (Fig 2).

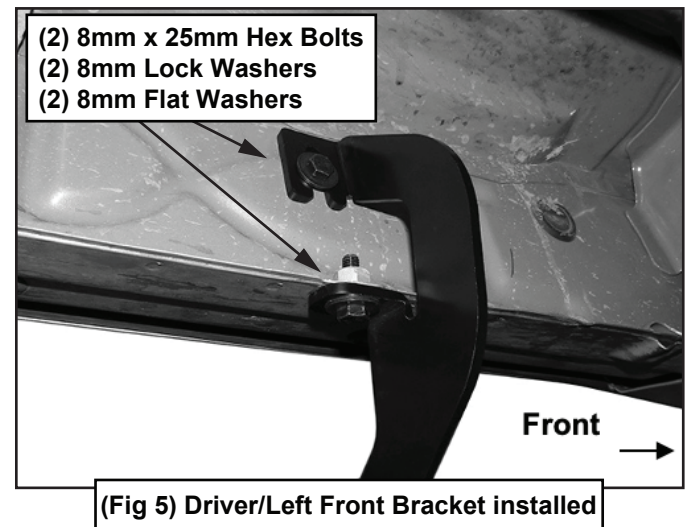
### Large and small hole in side of body panel:

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 4).

## STEP 3

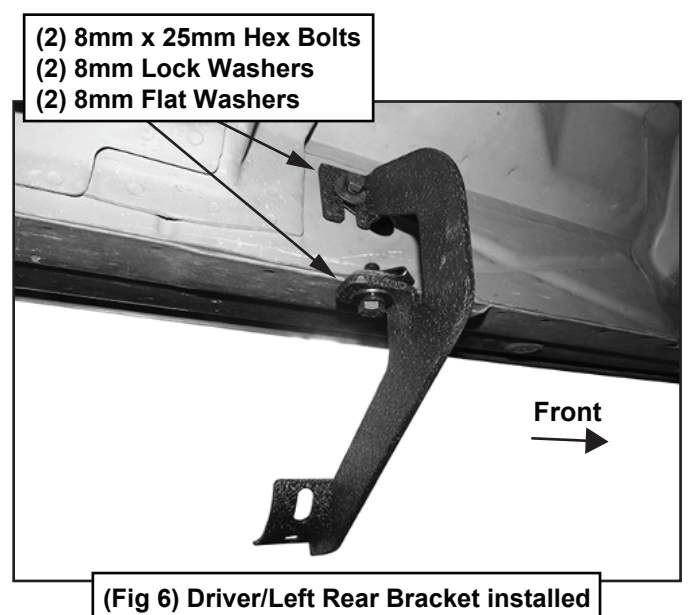
Select (1) Mounting Bracket.

**NOTE:** (3) Brackets are universal and will fit both driver/left and the passenger/right rear location. See illustration above to help determine correct Bracket. Attach 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 (Fig 5). DO NOT tighten hardware.



## STEP 4

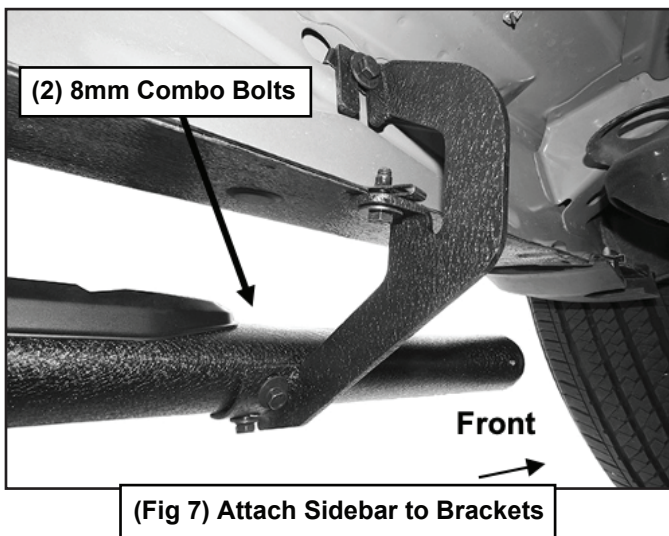
Move to the rear mounting location along the body panel and repeat **STEPS 1-3** to install the rear Bracket (Fig 6).



## STEP 5

Select the Driver/left Sidebar. Carefully position the Sidebar onto the (2) Mounting Brackets.

**IMPORTANT:** DO NOT slide, (front to back or rotate), the Sidebar on the Brackets or damage to the finish may result. Attach the Sidebar to the (2) Brackets with (4) 8mm Combination Hex Bolts (Fig 7). DO NOT fully tighten at this time.



## STEP 6

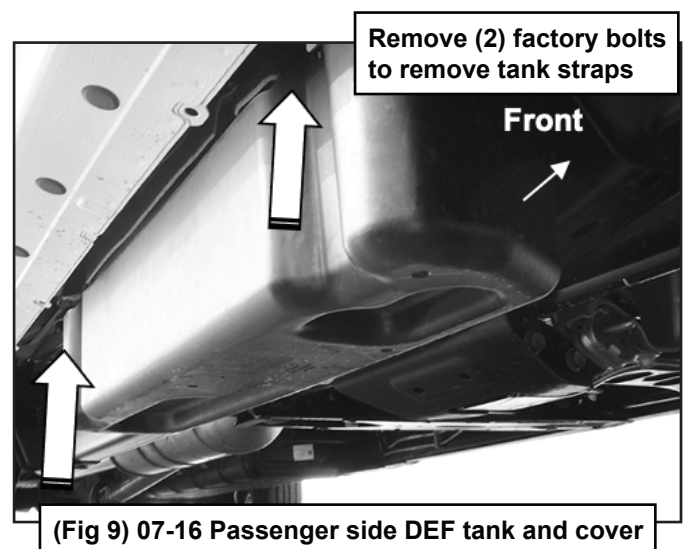
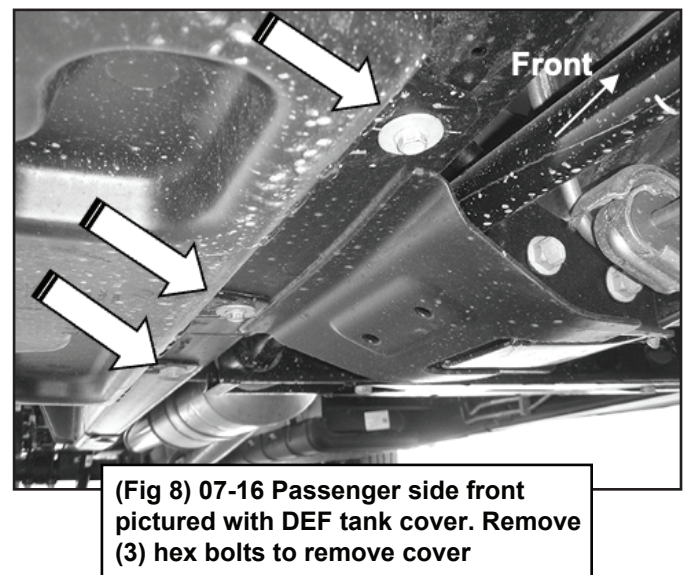
Level and adjust the Sidebar and fully tighten all hardware.

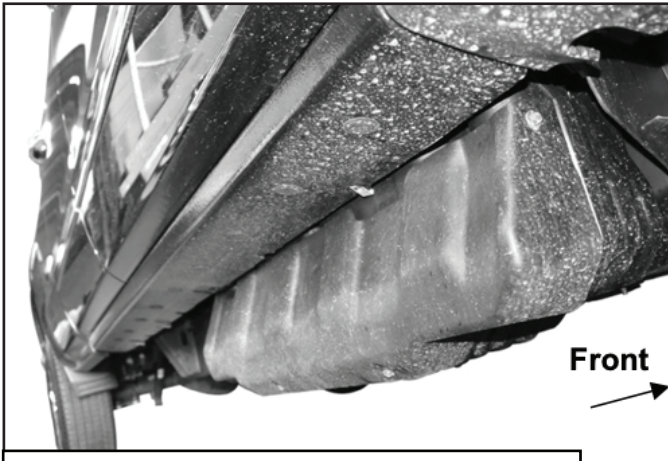


## STEP 7

Move to the Passenger/Right side of the vehicle. Determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank (Figs 8-10).

Passenger/Right Side Installation Pictured





(Fig 10) Example of 2017-on Passenger side pictured, remove DEF plastic tank cover only

#### 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 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 body side 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 models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame (Fig 8), and remove the 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 9). 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**.

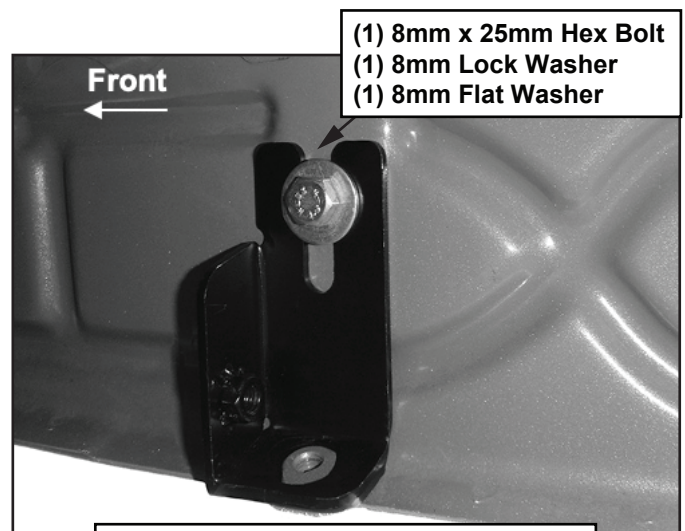
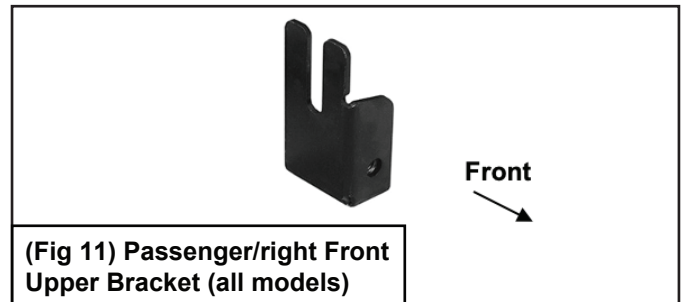
#### On 2017-on models:

**a.** Remove the (4) hex bolts attaching plastic cover to DEF tank (Fig 10) and remove plastic cover (Fig 17).

**NOTE:** On 2017-on 25-3500 models, only remove the plastic cover from the DEF tank. **DO NOT** lower or remove the DEF tank and proceed to **STEP 8**.

## STEP 8

Locate the first tab on the edge of the pinch weld. Select the Upper Bracket (Fig 11). Repeat **STEPS 2 & 3** to attach the top of the passenger/right front Upper Bracket to the side of the body panel (Fig 12). **DO NOT** tighten hardware at this time.



(Fig 12) Slide Upper Bracket over weld nut if equipped-also see Figure 2

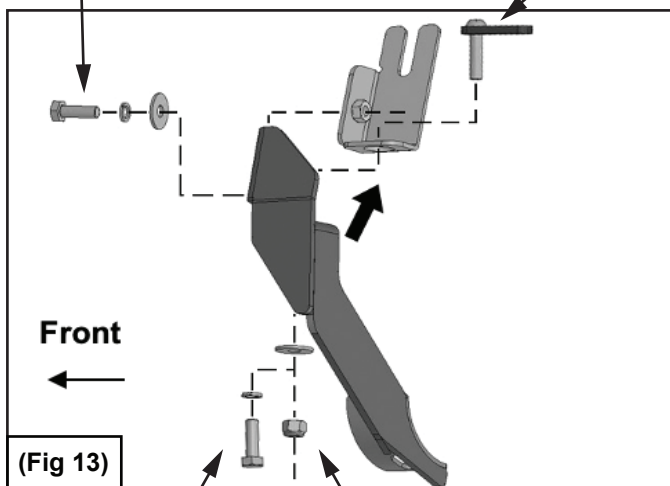
## STEP 9

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 (Fig 12). 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 (Fig 13). Leave loose at this time.

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

On models with flat tab (see Figs 1 & 3),  
insert 8mm Bolt Plate (Fig 14) down  
through Upper Bracket and mounting tab



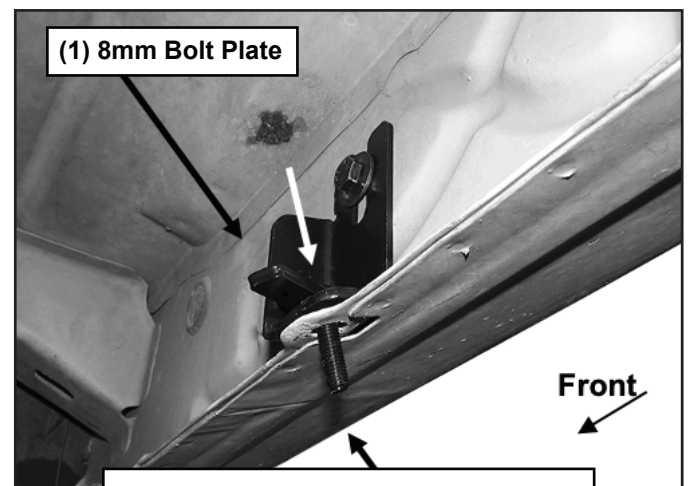
Models with weld nut on  
tab (see Fig. 12) use:  
(1) 8mm x 25mm Hex Bolt  
(1) 8mm Lock Washer  
(1) 8mm Flat Washer

On models with flat tab  
and 8mm Bolt Plate  
(see Fig. 14) use:  
(1) 8mm Flat Washer  
(1) 8mm Nylon Lock Nut  
to attach Lower Bracket  
to Bolt Plate

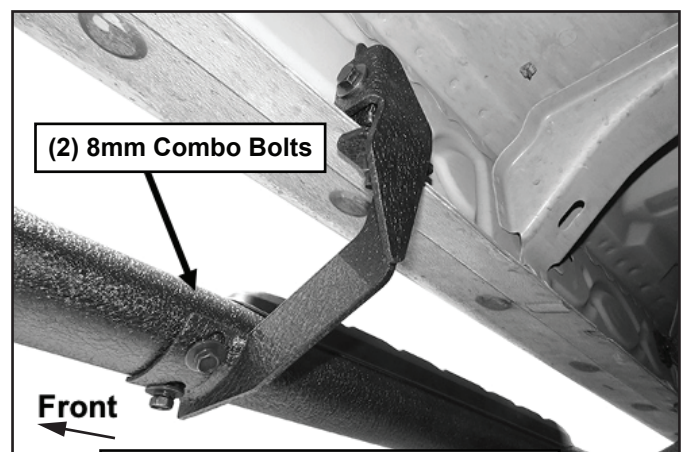
**b. Models with flat tab and hole:** Insert the 8mm Bolt Plate (Fig 14) down through the hole in the Upper Bracket and mounting tab (Figs 15 & 16). Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer and (1) 8mm Nylon Lock Nut (Fig 13). Leave loose at this time.



(Fig 14) 8mm x 35mm Bolt Plate



(Fig 15) On models with flat tab  
(see Figs 1 & 3), insert 8mm Bolt Plate  
(Fig 14) down through Upper Bracket  
and mounting tab



(Fig 16) Passenger/right side Lower  
Bracket attached to Upper Bracket

## STEP 10

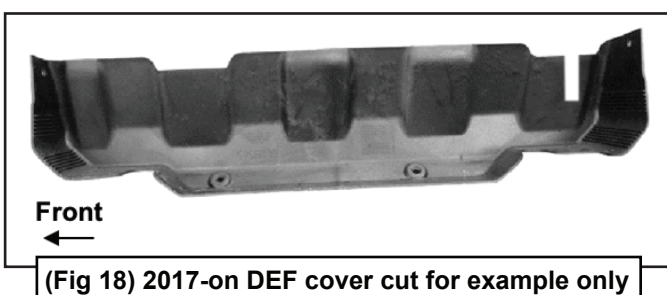
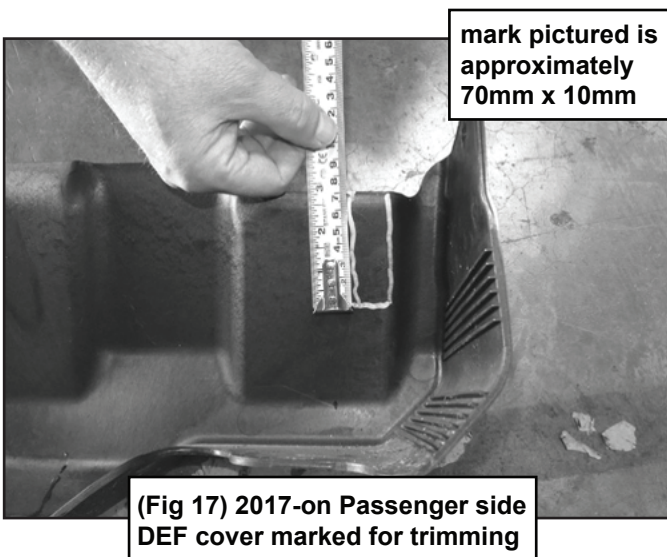
Attach the Lower Bracket to the side of the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Figs 13 & 16). Leave loose at this time.

## STEP 11

Repeat **STEPS 1-4** for the Passenger/Right Side Rear Bracket installation.

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

**a. 2017-on 25-3500 DEF tank models:** Hold the DEF cover in place and mark the center Bracket location onto the cover (Figs 17 & 18). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the center Bracket as necessary (Fig 18). Remove as little plastic as possible.



## STEP 12

Repeat **STEPS 5 & 6** to install the Passenger/Right Sidebar.

## STEP 13

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

## STEP 14

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