



## RISER®

TG-RS2C41188

### BEFORE INSTALLATION

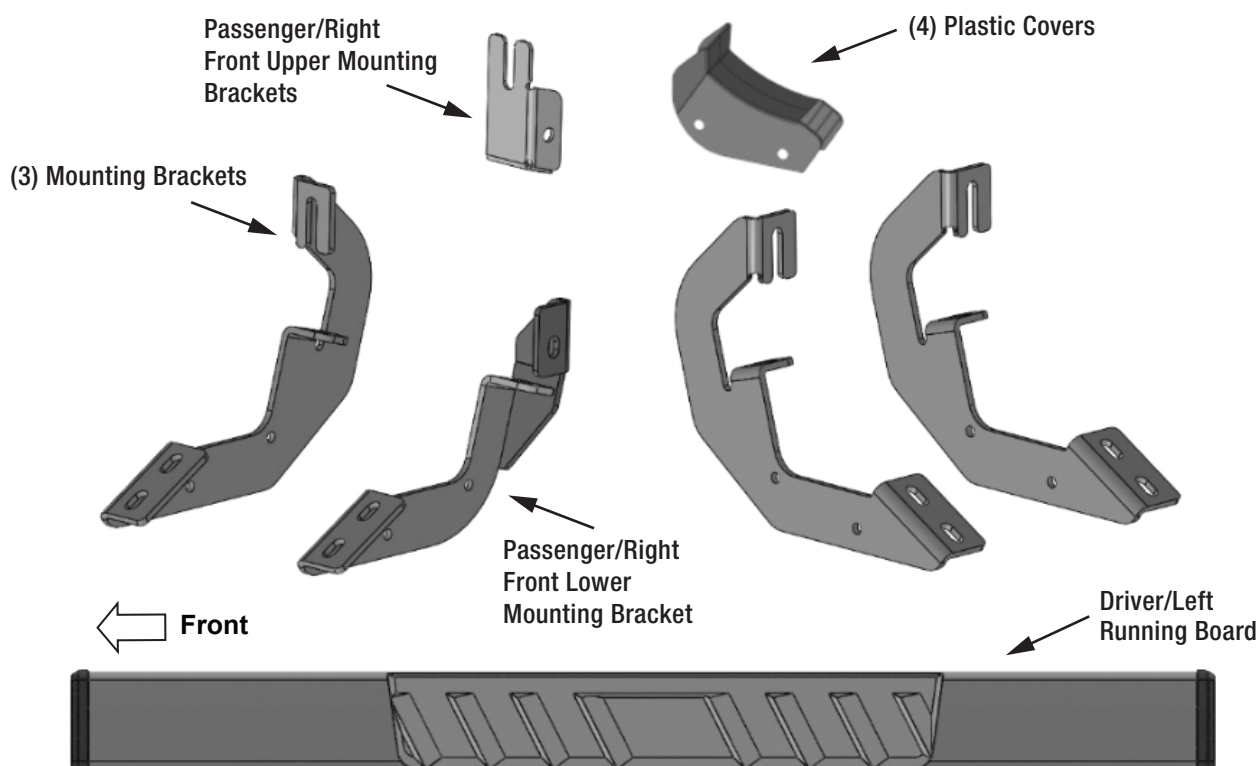
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM, 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
- x3 Mounting Brackets
- x1 Passenger/Right Front Upper Bracket
- x1 Passenger/Right Front Lower Bracket
- x4 Plastic Bracket Covers
- x8 Plastic Retaining Clips
- x7 8-1.25mm Clip Nuts
- x1 8mm Bolt Plate
- x8 8mm x 25mm Combo Bolts
- 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



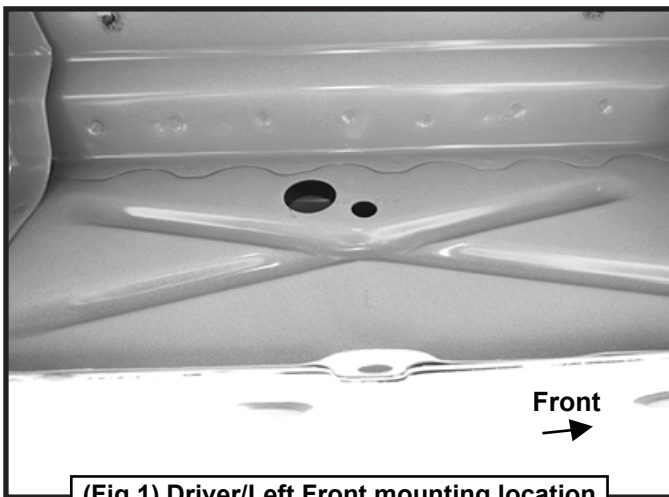


## PROCEDURE:

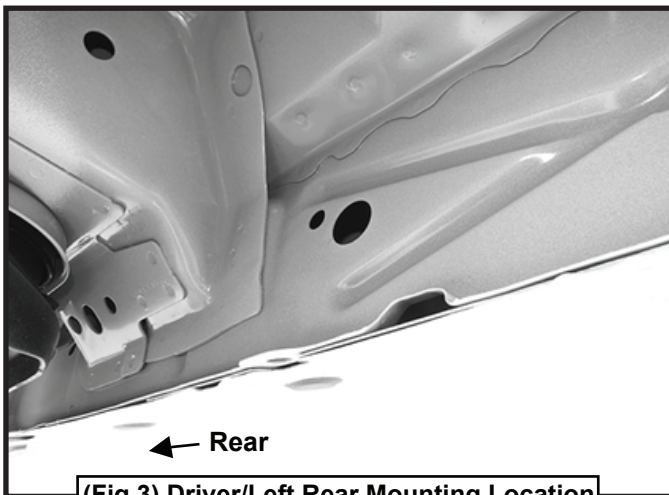
REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. ON MODELS WITH DEF TANK, SELECT A FLAT, LEVEL AREA FOR INSTALLATION. MAY REQUIRE CUTTING.

### STEP 1

Start the installation under the Driver/Left side of the vehicle. Locate the mounting tabs along the bottom edge of the body, (pinch weld). Mounting brackets will bolt to both mounting tabs. Directly above each tab is a top mounting location on the side of the body panel. If necessary, line up (1) Driver/Left Mounting Bracket with the mounting holes in the body panel to help determine correct locations, (Figures 1 & 3).



(Fig 1) Driver/Left Front mounting location



(Fig 3) Driver/Left Rear Mounting Location

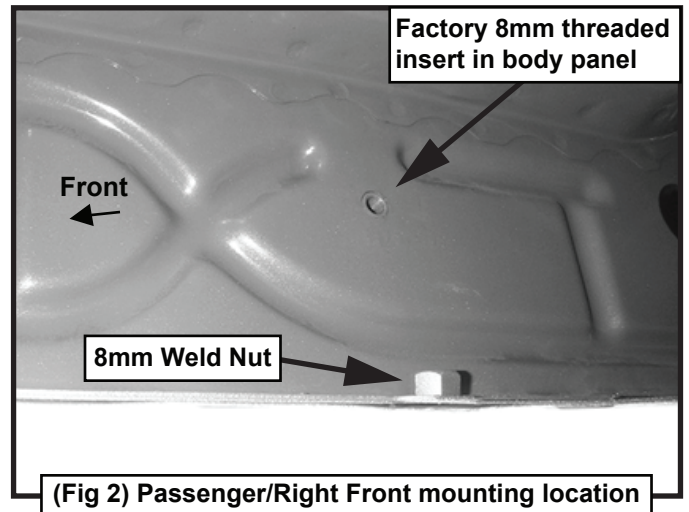
### STEP 2

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, (Figure 2).

**Driver/Left Side Installation Pictured**



- **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. Repeat this **STEP** for Driver/Left Rear mounting location.

**Locate top mounting location on the back side of the rocker 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 holes inside of the body panel:**  
Remove the rubber plug from the larger hole. Select (1) 8mm Clip Nut. Insert the Clip Nut into the larger hole with the threads facing in.

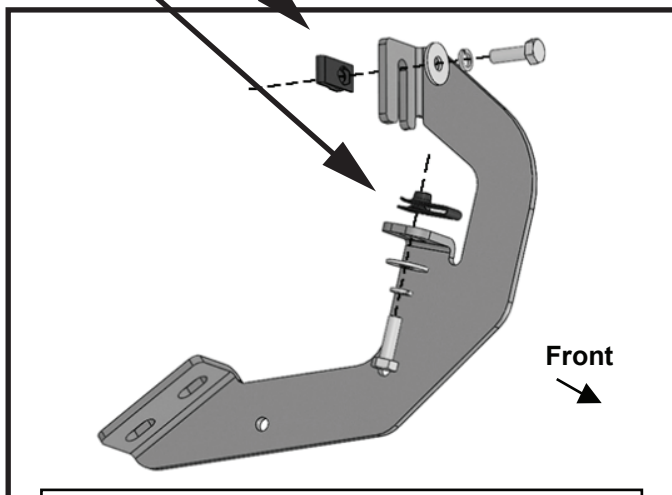


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## STEP 3

Select (1) Driver/Left Mounting Bracket. Attach bracket to the front mounting location with (2) 8mm x 25mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, (Figure 4). DO NOT tighten hardware at this time.

(2) 8mm x 25mm Hex Bolts  
(2) 8mm Lock Washers  
(2) 8mm Flat Washers  
(2) 8mm Clip Nuts

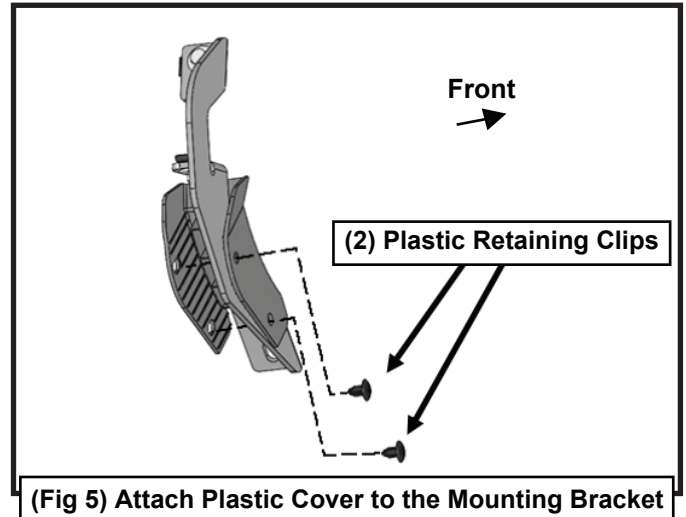


(Fig 4) Driver/Left Mounting Bracket installation

## STEP 4

Select (1) Plastic Cover. Attach the Cover the Mounting Bracket with (2) Plastic Retaining Clips, (Figure 5).

Driver/Left Side Installation Pictured



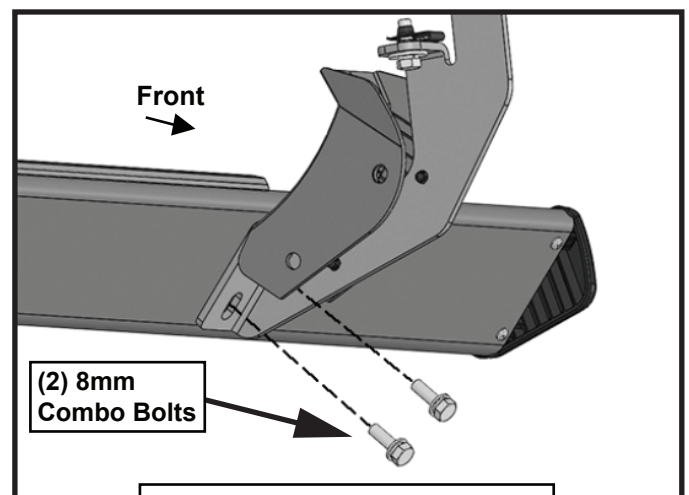
(Fig 5) Attach Plastic Cover to the Mounting Bracket

## STEP 5

Repeat **STEPS 3 & 4** to attach (1) Driver/Left Mounting Bracket and (1) Plastic Cover to the rear mounting location.

## STEP 6

Select the Driver/Left Sidebar. Attach the Sidebar to the mounting brackets with (4) 8mm Combo Bolts, (Figure 6).



(Fig 6) Attach Driver/Left Sidebar to the Mounting Bracket

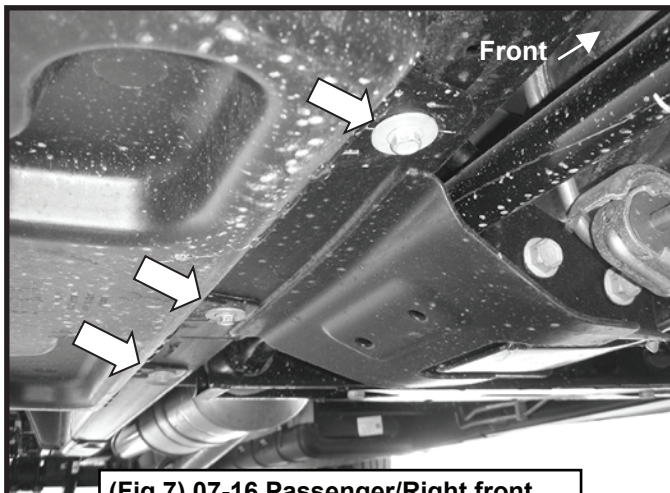


## STEP 7

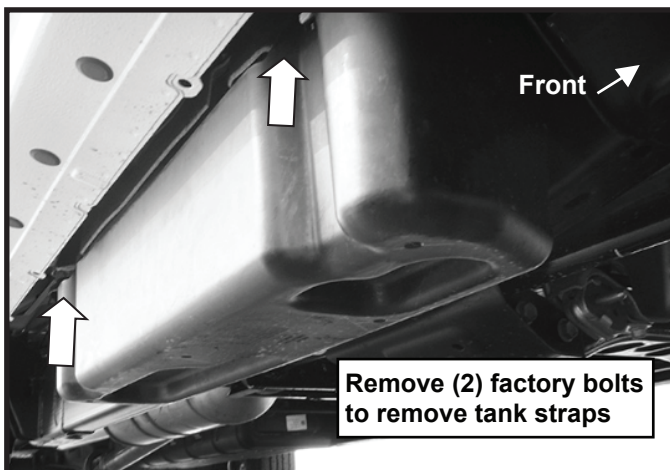
Level and adjust the Sidebar and fully tighten all hardware.

## STEP 8

Move to the Passenger/Right side of the vehicle. On the Passenger/Right, determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank, (Figures 7 & 8).



(Fig 7) 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 8) Passenger side 07-16 DEF tank and cover

## STEP 9

Determine the model/year:

**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/Right Front Upper and Lower Brackets can be installed but room is limited.

**For 2007—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.

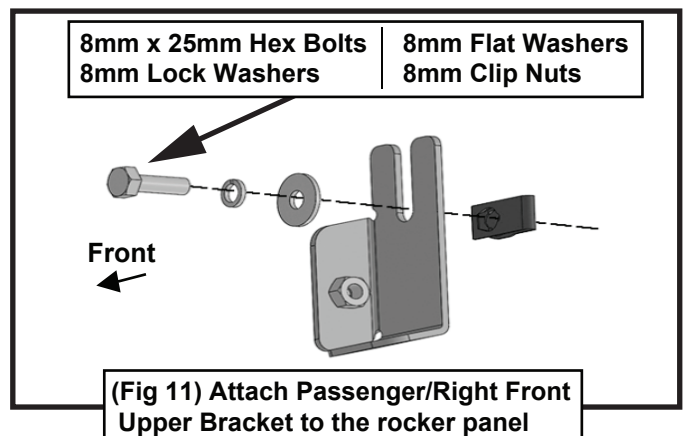
**a.** For models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame, (Figure 7), and remove tray.

**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, (Figure 11). 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.



(Fig 11) Attach Passenger/Right Front Upper Bracket to the rocker panel



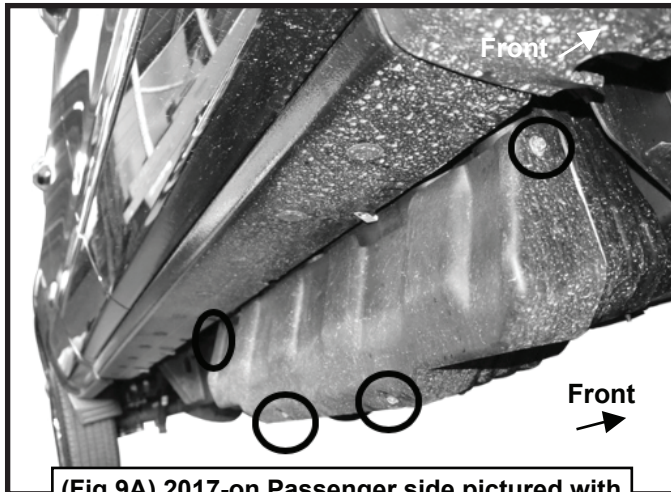


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## For 2017—on models:

Remove the (4) hex bolts attaching the plastic cover to DEF tank, (Figures 9A & 9B) and remove plastic cover.

**IMPORTANT: DO NOT remove tank.**



(Fig 9A) 2017-on Passenger side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



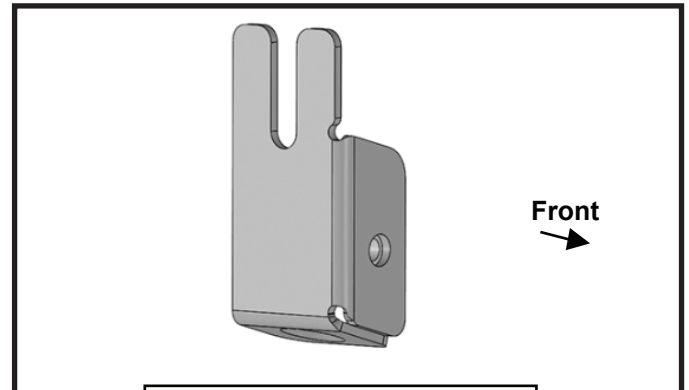
(Fig 9B) 2017-on Passenger side DEF cover removed

## STEP 10

Locate the front tab on the edge of the pinch weld on the Passenger/Right side. Repeat **STEP 2** to attach 8mm Clip Nuts to the rocker panel.

## STEP 11

Select the Passenger/Right Upper Mounting Bracket, (Figure 10).



(Fig 10) Passenger/Right Front Upper Bracket (all models)

**a. For models with threaded upper mounting holes.** Attach the upper mounting bracket to the rocker panel with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm x 24mm Flat Washer, (Figure 11).

**b. For models with holes in the rocker panel.** Attach the upper mounting bracket to the rocker panel with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer, (1) 8mm x 24mm Flat Washer and (1) 8mm Clip Nut, (Figure 11).

## STEP 12

Select the Passenger/Right Lower Mounting Bracket.

**Models with flat tab and hole in the Pinch Weld:**

**a.** Attach the bracket to the pinch weld with (1) 8mm Bolt Plate, (1) 8mm x 24mm Flat Washer and (1) 8mm Nylon Lock Nut, (Figures 12 & 13).



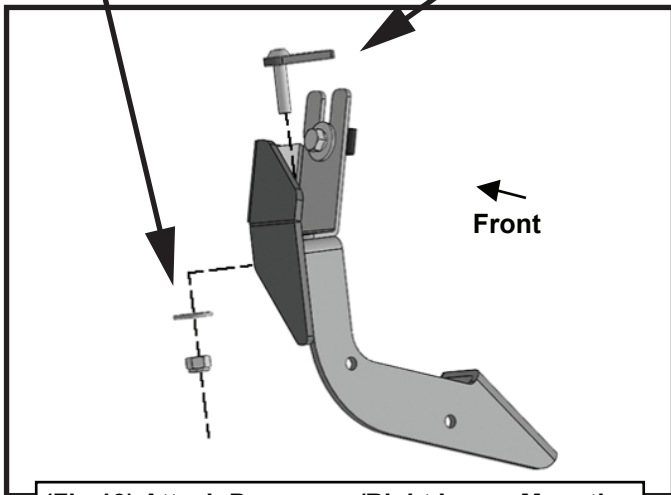
(Fig 12) 8mm x 35mm Bolt Plate



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8mm x 24mm Flat Washer  
8mm Nylon Lock Nut

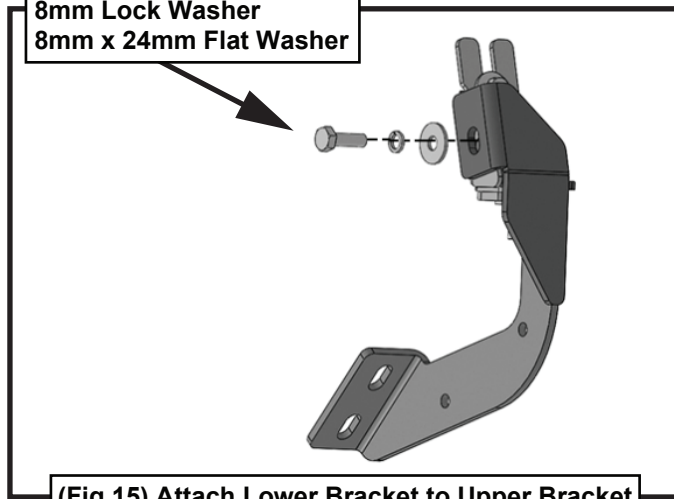
Models with flat tab on  
panel: Use 8mm Bolt Plate



(Fig 13) Attach Passenger/Right Lower Mounting Bracket to the pinch weld and upper Mounting Bracket (models with hole in pinch weld shown)

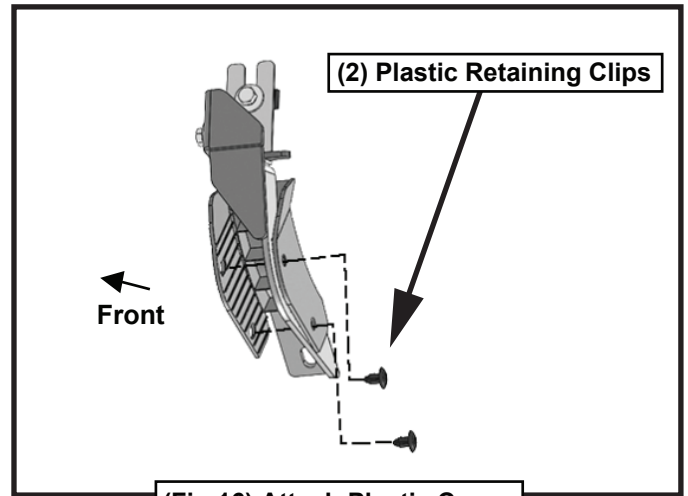
b. Attach the side of the Lower Mounting Bracket to the Upper Mounting Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figure 15).

8mm x 25mm Hex Bolt  
8mm Lock Washer  
8mm x 24mm Flat Washer



(Fig 15) Attach Lower Bracket to Upper Bracket

c. Repeat **STEP 4** to attach (1) Plastic Cover to the Mounting Bracket, (Figure 16).

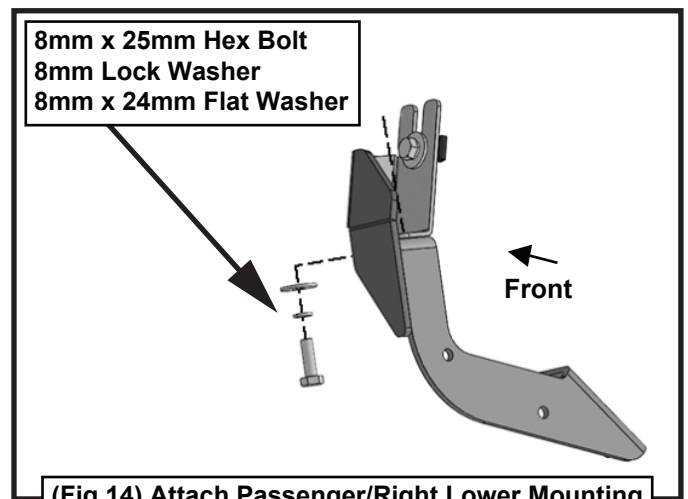


(Fig 16) Attach Plastic Cover to the Mounting Bracket

Models with a weld-nut on the Pinch Weld:

a. Attach the bracket to the pinch weld with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm x 24mm Flat Washer, (Figure 14).

8mm x 25mm Hex Bolt  
8mm Lock Washer  
8mm x 24mm Flat Washer



(Fig 14) Attach Passenger/Right Lower Mounting Bracket to the upper Mounting Bracket

b. Attach the side of the Lower Mounting Bracket to the Upper Mounting Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer, (Figure 15).

c. Repeat **STEP 4** to attach (1) Plastic Cover to the Mounting Bracket, (Figure 16).



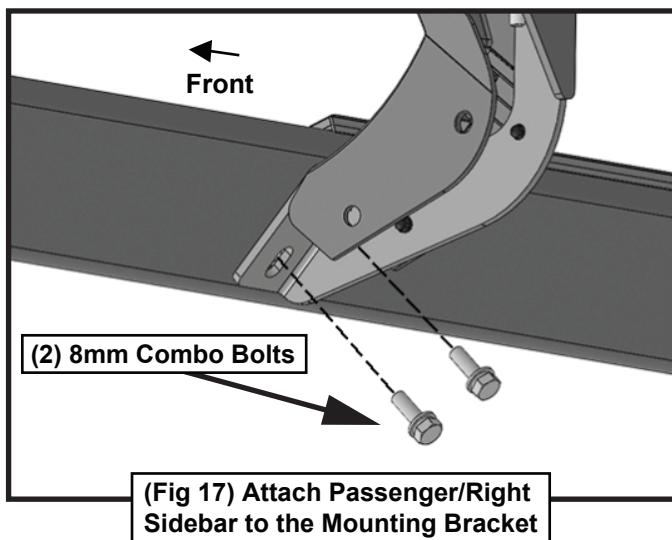
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## STEP 13

Select the Passenger/Right Rear Mounting Bracket. Repeat **STEPS 2—4** to attach the Mounting Bracket to the Passenger/Right rear mounting location.

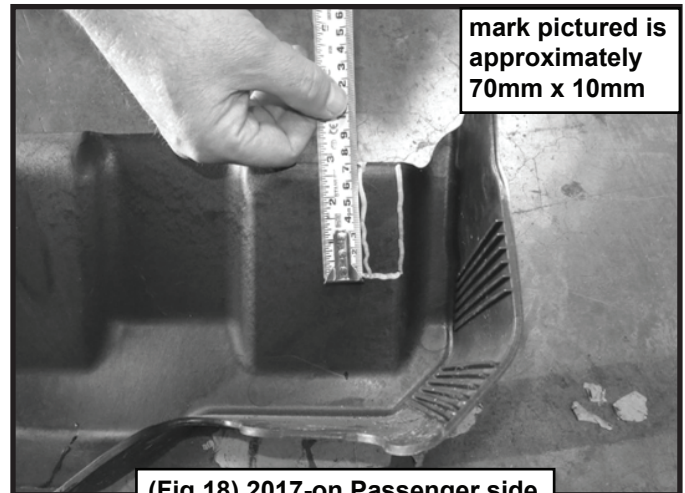
## STEP 14

Select the Passenger/Right Sidebar. Attach Sidebar mounting tabs to the mounting brackets with (4) 8mm Combo Bolts, (Figure 17). DO NOT tighten hardware at this time.

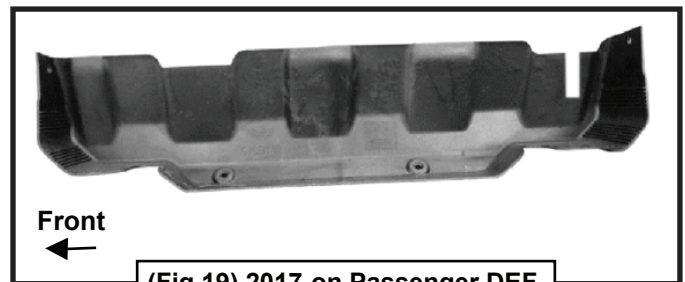


## STEP 15

**2017-on 2500/3500 DEF tank models:** Locate the rear mounting location along the bottom edge of the body, (pinch weld). Hold the DEF cover in place and mark the rear bracket location onto the cover, (Figure 18). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the Rear Bracket, (Figure 19). Remove as little plastic as possible.



(Fig 18) 2017-on Passenger side DEF cover marked for trimming



(Fig 19) 2017-on Passenger DEF cover cut for example only

## STEP 16

Level and adjust the Sidebar and fully tighten all hardware.

## STEP 17

Once fully installed and all hardware fully tightened, reinstall the DEF tank and cover, as described in **STEPS 8 & 9**.

## STEP 18

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