



TYGER LANDER®

TG-LD2C60128

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.

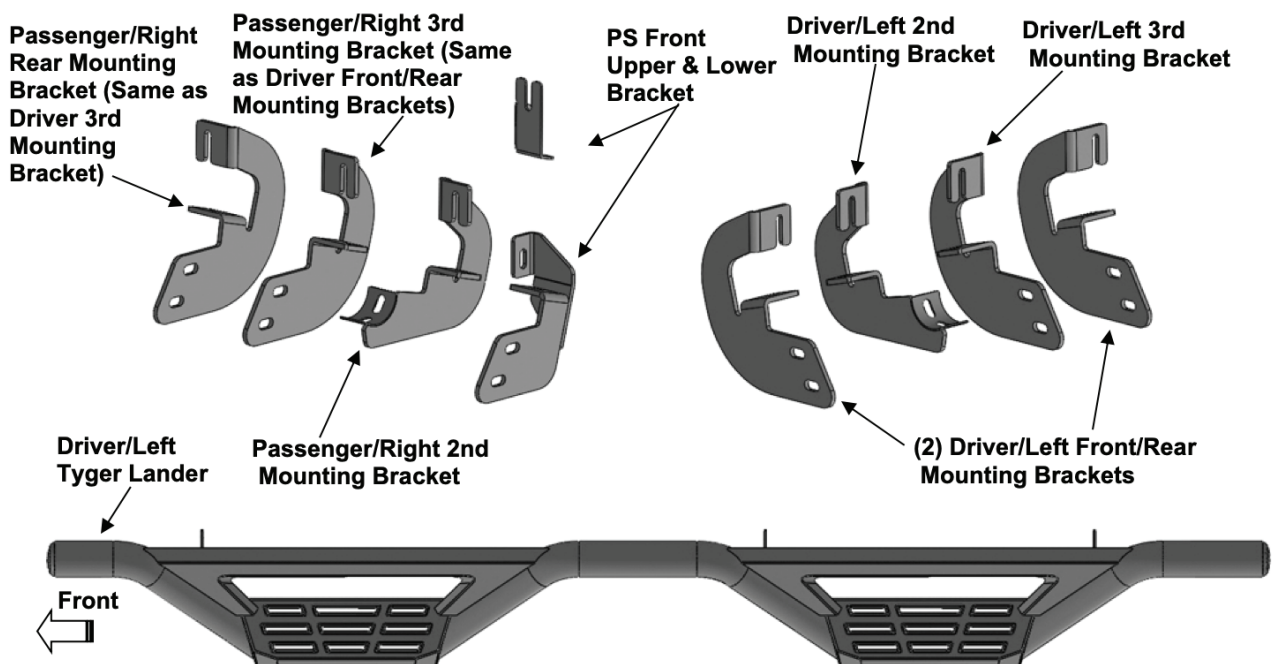
TORQUE VALUES

Class 10.9 Torque (ft-lbs)

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 Tyger Lander
- x1 Passenger/Right Tyger Lander
- x3 Driver Front/Rear and Passenger 3rd Mounting Brackets
- x2 Driver 3rd and Passenger Rear Mounting Brackets
- x1 Driver/Left 2nd Mounting Bracket
- x1 Passenger/Right 2nd Mounting Bracket
- x1 Passenger/Right Front Upper Mounting Bracket
- x1 Passenger/Right Front Lower Mounting Bracket
- x12 10-1.5mm x 35mm Hex Bolts
- x24 10mm x 27mm OD x 3mm Flat Washers
- x12 10mm Nylon Lock Nuts
- x1 8mm Bolt Plate
- x1 8-1.25mm x 40mm Hex Bolt
- x16 8-1.25mm x 25mm Hex Bolts
- x4 8-1.25mm x 25mm Combo Bolts
- x16 8mm Lock Washers
- x18 8mm x 24mm OD x 2mm Flat Washers
- x1 8mm Nylon Lock Nuts
- x12 8mm Clip Nuts
- x2 8mm Nut Plates





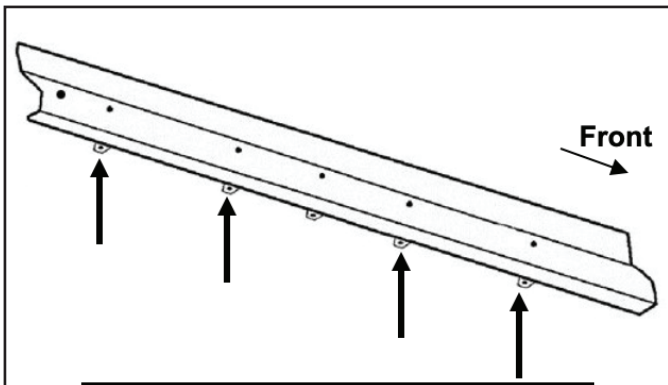
PROCEDURE:

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 5 tabs along the bottom edge of the body, (pinch weld). Mounting will use the 1st, 2nd, 4th and 5th tab locations (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 (4) mounting locations

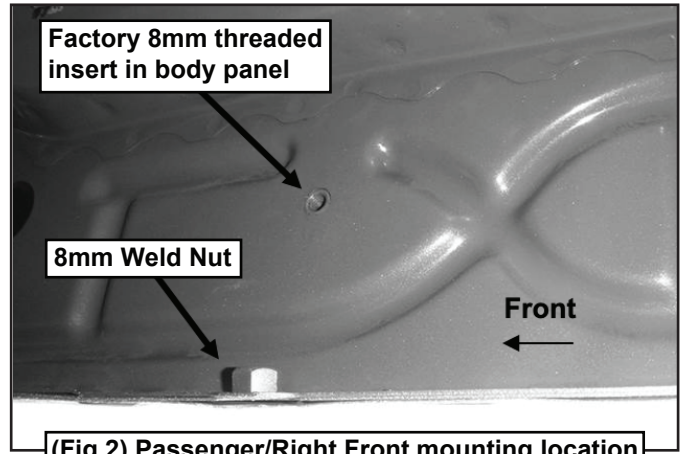
STEP 2

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:

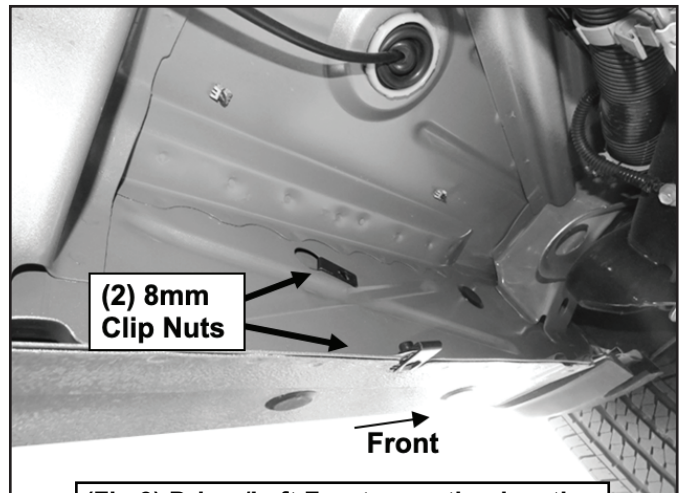
Thread 8mm hex bolt into weld nut from the backside-down to clear paint from threads (Fig 2).



(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 (Fig 3). Line up threaded nut with hole in the tab.



(Fig 3) Driver/Left Front mounting location

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

Models with factory installed threaded holes in rocker panel:

Thread 8mm Hex Bolt into threaded insert to clear paint as required.



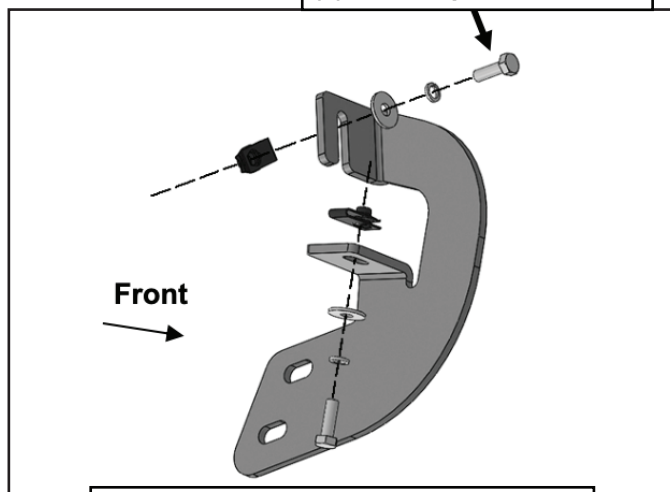
Large and small hole in side of rocker panel:

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 (Fig 3).

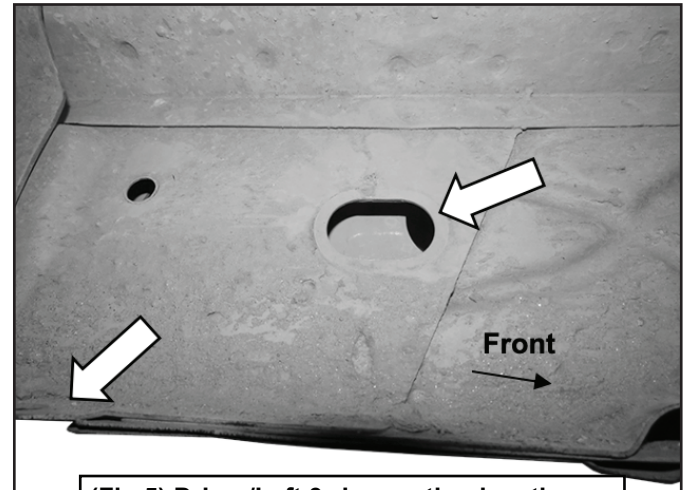
STEP 3

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 (Fig 4). DO NOT tighten hardware.

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

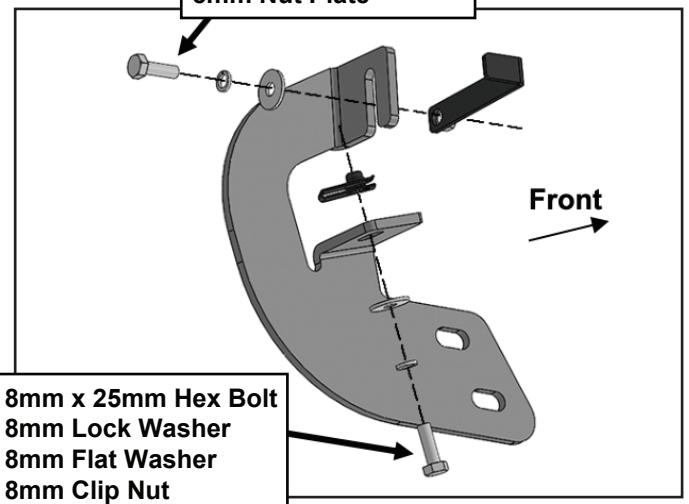


(Fig 4) Attach (1) Driver/Left Front/Rear Mounting Bracket to the front location



(Fig 5) Driver/Left 3rd mounting location, insert (1) 8mm Nut Plate into the large hole. Attach (1) 8mm Clip Nut to the pinch weld

8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer
8mm Nut Plate



8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer
8mm Clip Nut

(Fig 6) Attach the Driver/Left 3rd Mounting Bracket to the 8mm Nut Plate and 8mm Clip Nut

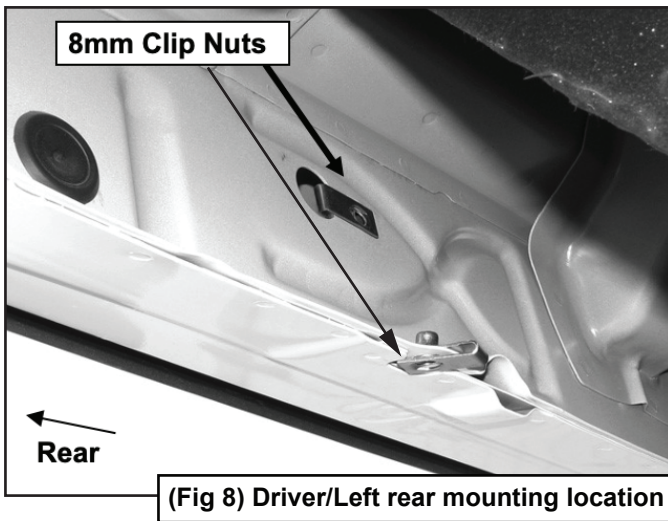
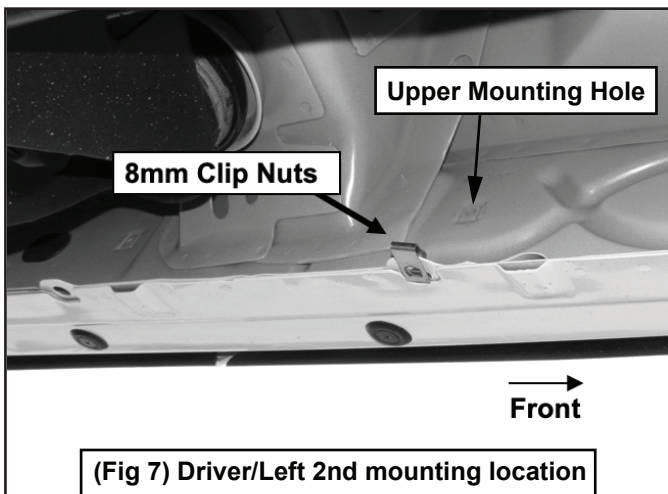
STEP 4

Attach (1) 8mm Clip Nut to the pinch weld on the 3rd location (Fig 5). Select (1) 8mm Nut Plate. Insert the Nut Plate into the large hole and line up the nut with the small hole. Select the Driver/Left 3rd Mounting Bracket. Attach the Bracket to the Nut Plate and Clip Nut with (2) 8mm x 25mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm x 24mm Flat Washers (Fig 6). DO NOT tighten hardware.



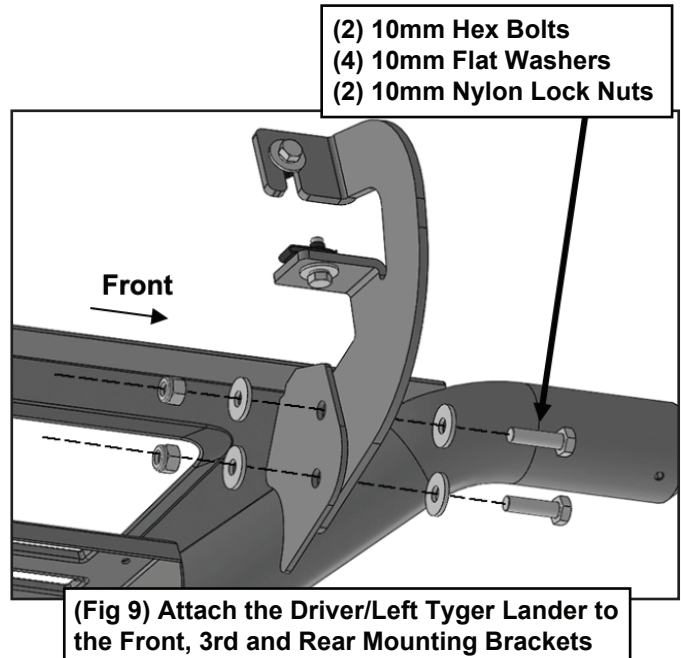
STEP 5

Repeat **STEPS 1-3** to attach (2) Driver/Left Mounting Brackets to the 2nd and rear mounting locations (Figs 7 & 8). If needed, install (1) 8mm Clip Nut to the pinch weld for the 2nd location and (2) 8mm Clip Nut to the pinch weld and upper mounting spot for the rear location.



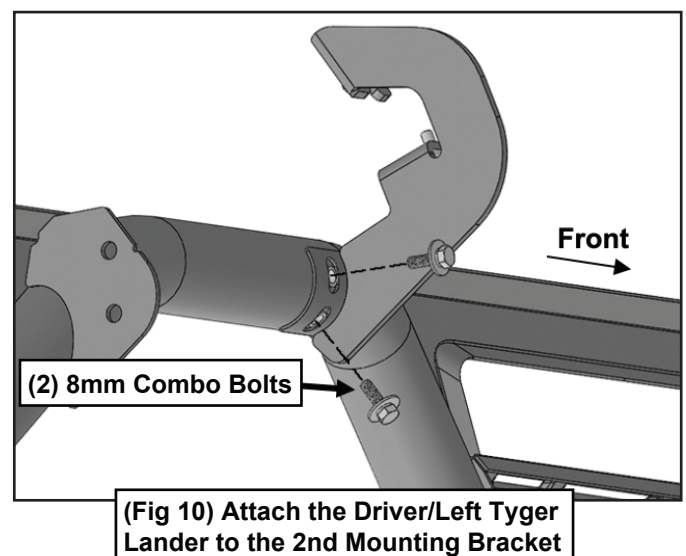
STEP 6

Select the Driver/Left Tyger Lander. Attach the Tyger Lander to the front faces of the Front, 3rd and Rear Mounting Brackets with (6) 10mm Hex Bolts, (12) 10mm Flat Washers and (6) 10mm Nylon Lock Nuts (Fig 9). **DO NOT** tighten hardware.



STEP 7

Attach the Tyger Lander to the 2nd Mounting Bracket with (2) 8mm Combo Bolts (Fig 10). **DO NOT** tighten hardware.





STEP 8

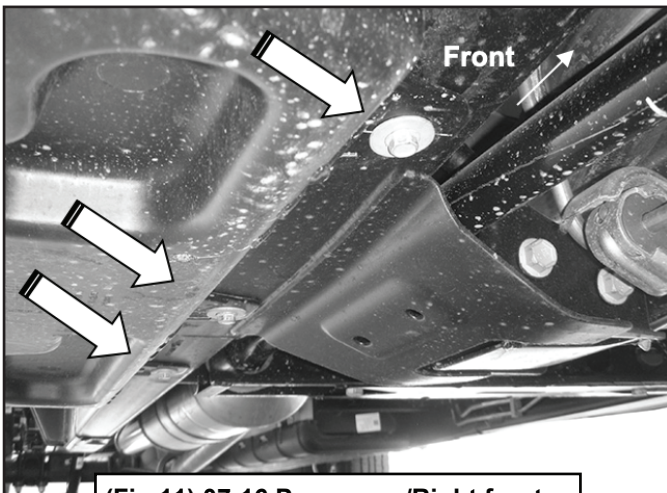
Level and adjust the Tyger Lander and fully tighten all hardware.

STEP 9

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 11 & 12).

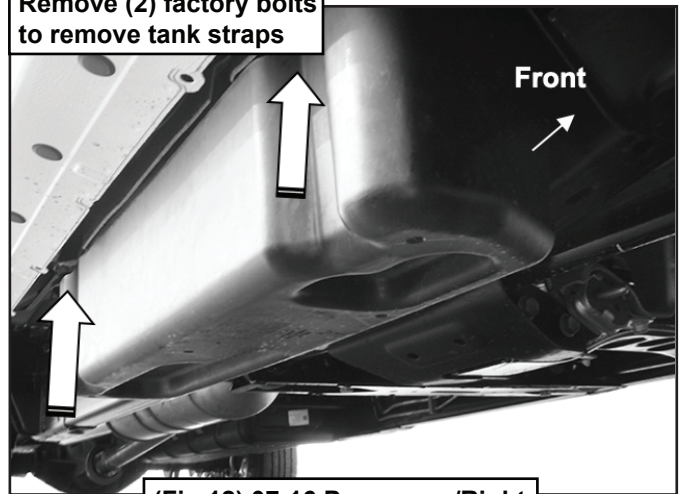
Models without DEF tank, skip to STEP 10.

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.



(Fig 11) 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 12) 07-16 Passenger/Right DEF tank and cover

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.

a. On models with plastic lower tray under the tank, remove the (3) hex bolts attaching the tray to the frame (Fig 11), 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.

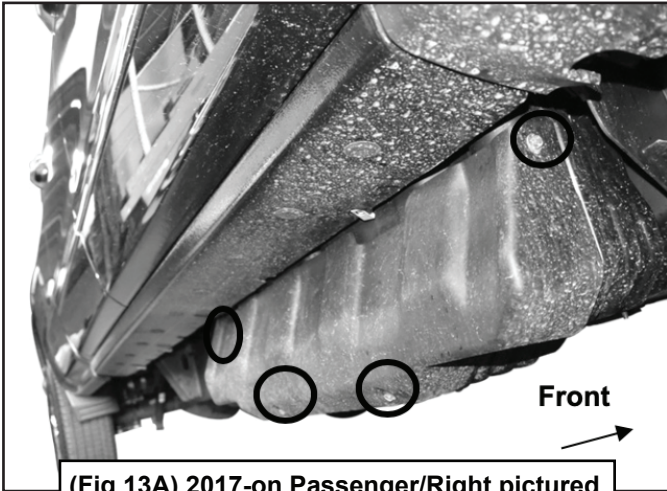
d. Remove the (2) bolts securing the tank straps to the vehicle (Fig 12). Tilt the straps to release from the brackets. Slowly lower the tank until the top of the tank is almost visible. Use blocks or stands to support the tank while installing the front Upper and Lower Brackets.

e. Proceed to **STEP 10.**

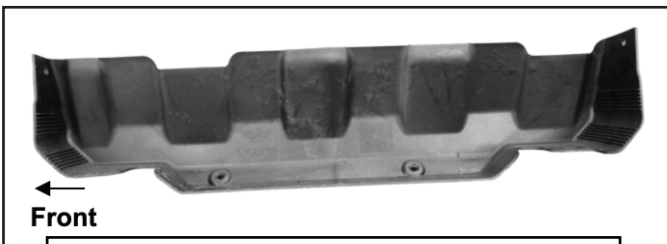
2017 models and on:

a. Remove the (4) hex bolts attaching plastic cover to DEF tank (Fig 13A) and remove plastic cover (Fig 13B).

NOTE: On 2017-on 2500/3500 models, only remove plastic cover from DEF tank. DO NOT lower DEF tank and proceed to **STEP 10.**



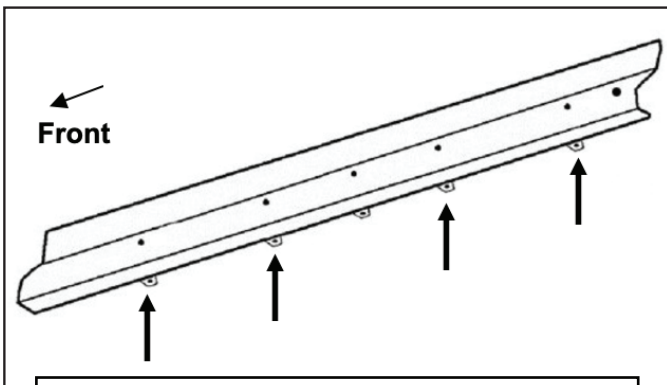
(Fig 13A) 2017-on Passenger/Right pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover



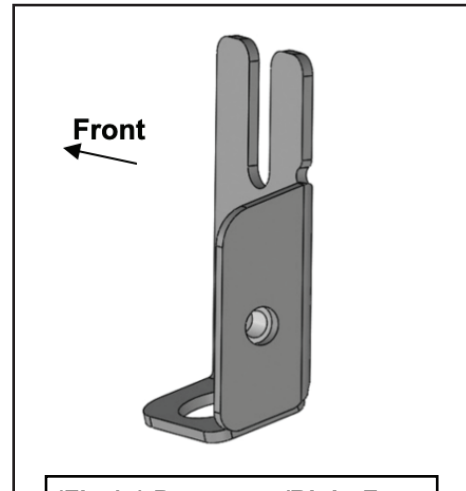
(Fig 13B) 2017-on Passenger/Right DEF cover

STEP 10

Locate the first tab on the edge of the pinch weld (Fig 14). Select the Upper Bracket (Fig 15). Attach the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Fig 16). DO NOT tighten hardware.

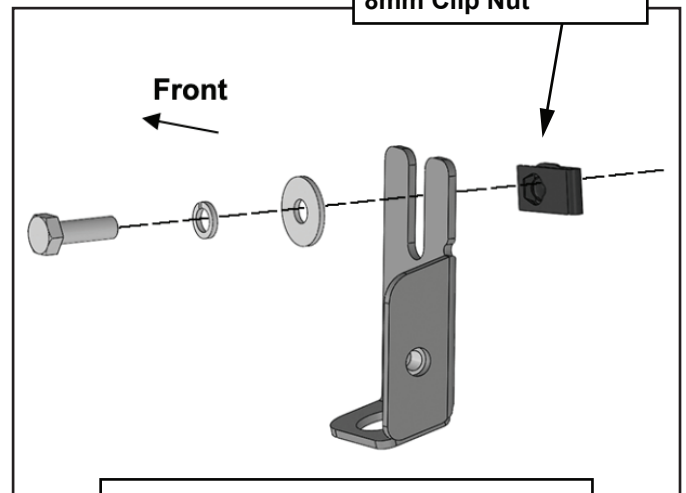


(Fig 14) Passenger/Right (4) mounting locations



(Fig 15) Passenger/Right Front Upper Bracket (all models)

8mm x 25mm Hex Bolt
8mm Lock Washer
8mm Flat Washer
8mm Clip Nut



(Fig 16) Slide Upper Bracket over weld
nut if equipped-also see Figure 2



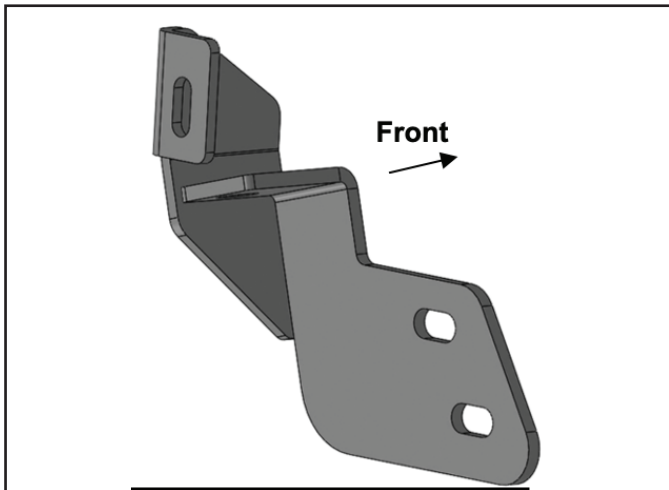
STEP II

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

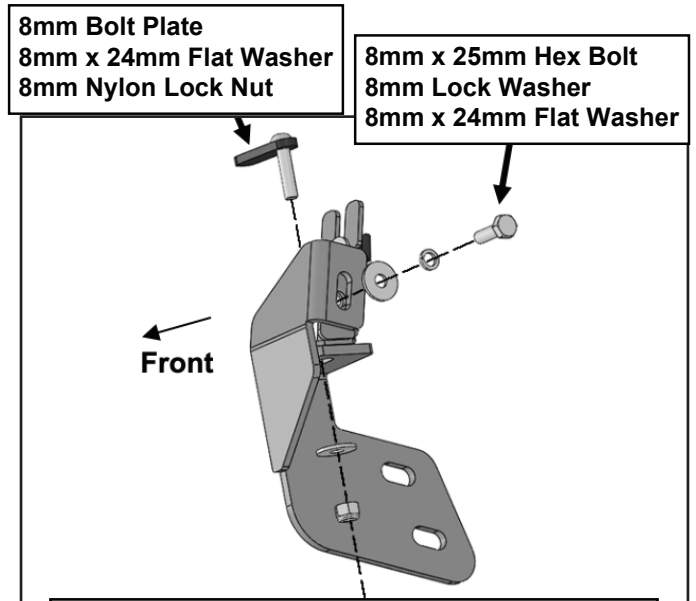
Models with flat tab and hole: Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and tab. Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer and (1) 8mm Nylon Lock Nut (Figs 17-19). DO NOT tighten hardware.



(Fig 17) 8mm x 35mm Bolt Plate

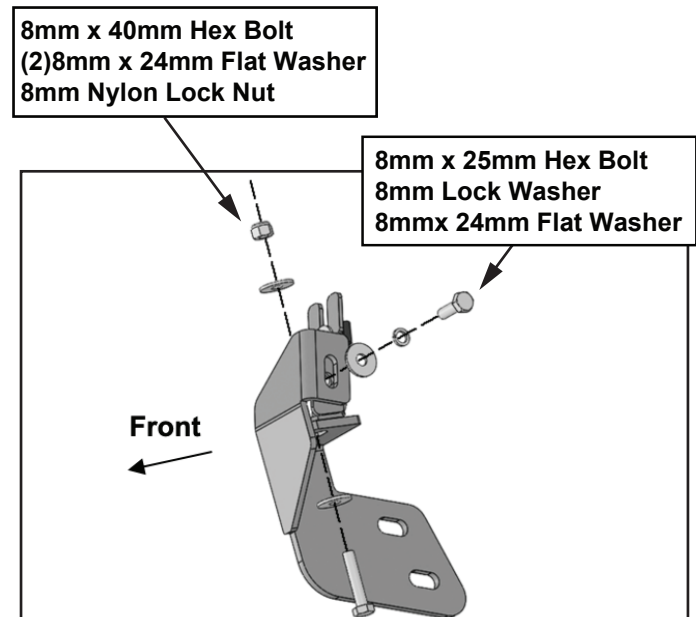


(Fig 18) Passenger/Right Front Lower Bracket (all models)



(Fig 19) For models with a hole in the pinch weld

Models with a weld-nut: Slide the Upper Bracket over the weld-nut. Attach the Lower Bracket to the bottom of the body and weld-nut with (1) 8mm x 40mm Hex Bolt, (2) 8mm x 24mm Flat Washer and (1) 8mm Nylon Lock Nut (Figs 18 & 20). DO NOT tighten hardware.



(Fig 20) For models with welded nut in the pinch weld



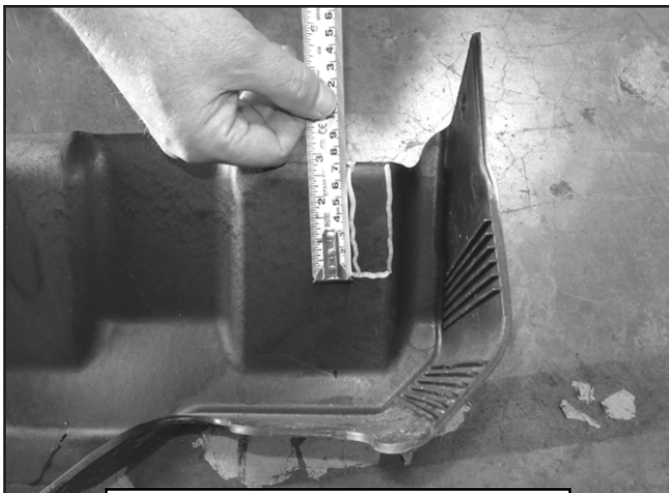
STEP 12

Attach the tab on the Lower Bracket to the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm x 24mm Flat Washer (Figs 19 & 20). DO NOT tighten hardware.

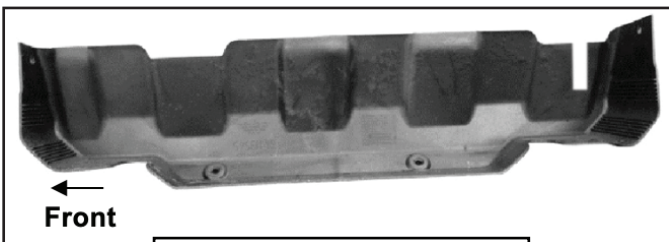
STEP 13

Repeat **STEPS 1-5** to attach the (3) remaining Passenger/Right Mounting Brackets.

a. 2017-on DEF tank models: Locate the **2nd** tab bracket location along the bottom edge of the body, (pinch weld) (Fig 14). Hold the DEF cover in place and mark the location onto the cover (Figs 21A & 21B). 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.



(Fig 21A) 2017-on DEF tank Mark for cut is approximately 70mm x 10mm



(Fig 21B) 2017-on Passenger DEF cut for example only

STEP 14

Repeat **STEPS 6-8** to attach the Passenger/Right Tyger Lander.

STEP 15

Once the Tyger Landers have been installed and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **STEP 9**.

STEP 16

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