



TYGER®

TYGER LANDER™

TG-LD2C60028

BEFORE INSTALLATION

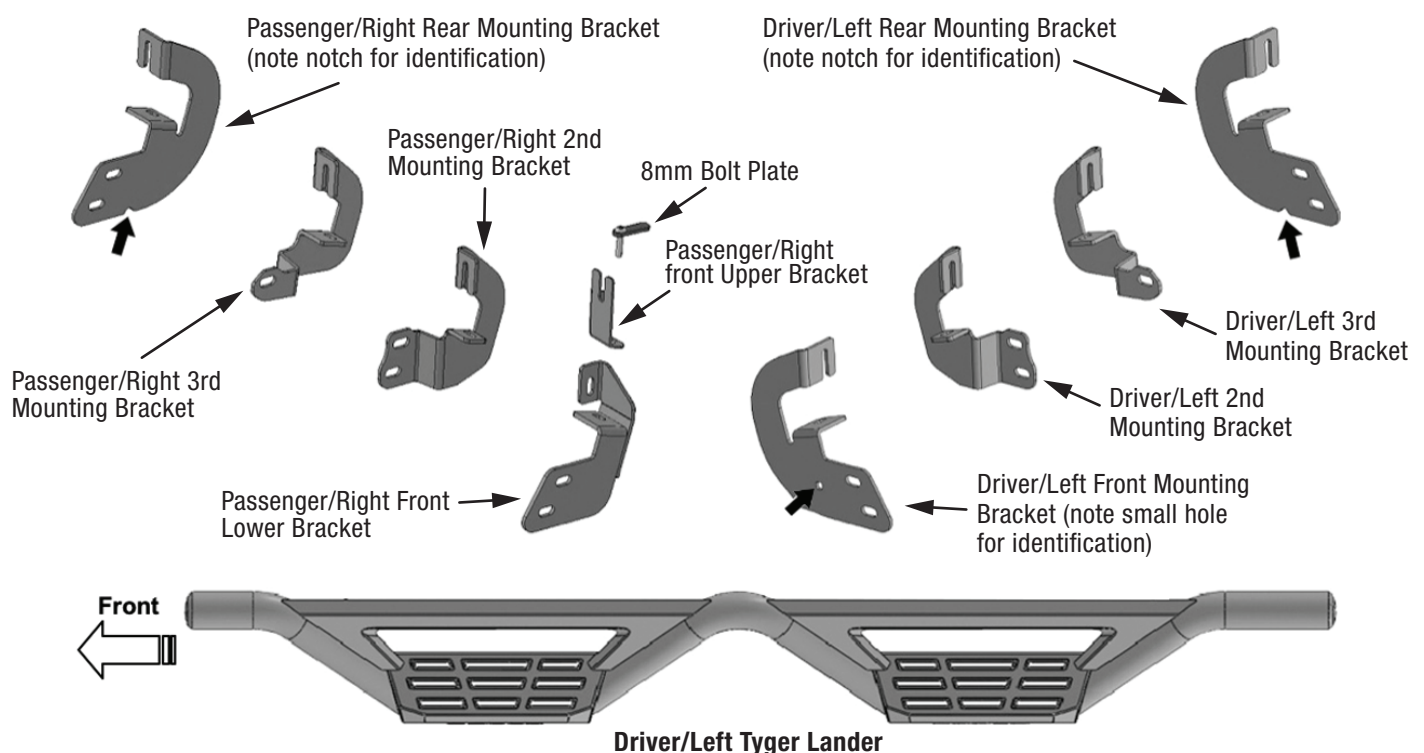
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM,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

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 Tyger Lander
- x1 Passenger/Right Tyger Lander
- x1 Driver/Left Front Mounting Bracket
- x1 Passenger/Right Front Upper Mounting Bracket
- x1 Passenger/Right Front Lower Mounting Bracket
- x1 Driver/Left 2nd Mounting Bracket
- x1 Passenger/Right 2nd Mounting Bracket
- x1 Driver/Left 3rd Mounting Bracket
- x1 Passenger/Right 3rd Mounting Bracket
- x1 Driver/Left Rear Mounting Bracket
- x1 Passenger/Right Rear Mounting Bracket
- x14 10mm x 35mm Hex Bolts
- x28 10mm x 27mm OD x 3mm Flat Washers
- x14 10mm Nylon Lock Nuts
- x1 8mm x 35mm Bolt Plate
- x1 8mm x 40mm Hex Bolt
- x16 8mm x 25mm Hex Bolts
- x17 8mm Lock Washers
- x17 8mm x 24mm OD x 2mm Flat Washers
- x1 8mm Nylon Lock Nuts
- x15 8mm Clip Nuts



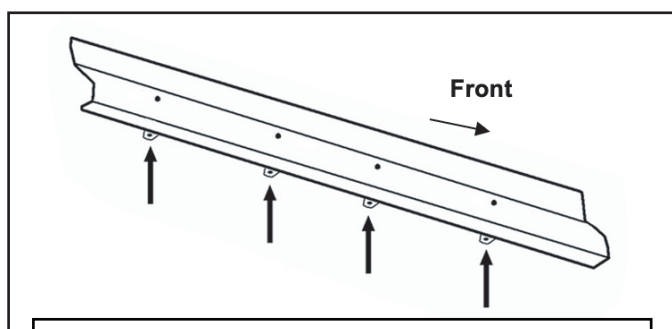
PROCEDURE:

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 side of the vehicle. Locate the 4 tabs along the bottom edge of the body, (pinch weld) (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) Back of driver side (4) mounting locations

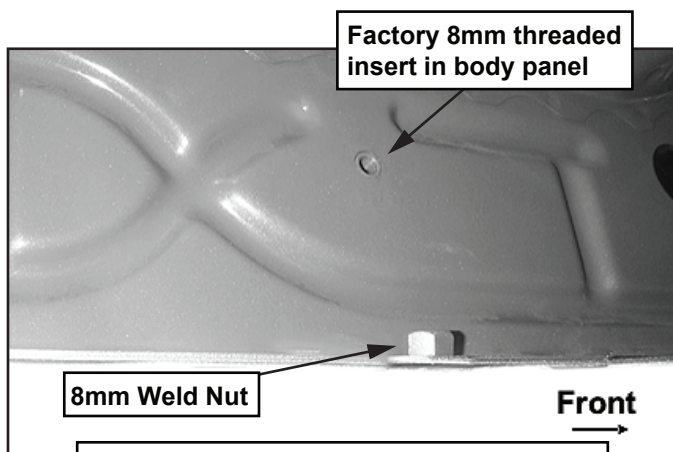
STEP 2

Determine the correct procedure by confirming your model year and what each of its bracket locations looks like.

Bottom mounting location on the edge of the pinch weld.

If flat tab on pinch weld has factory installed weld nut:

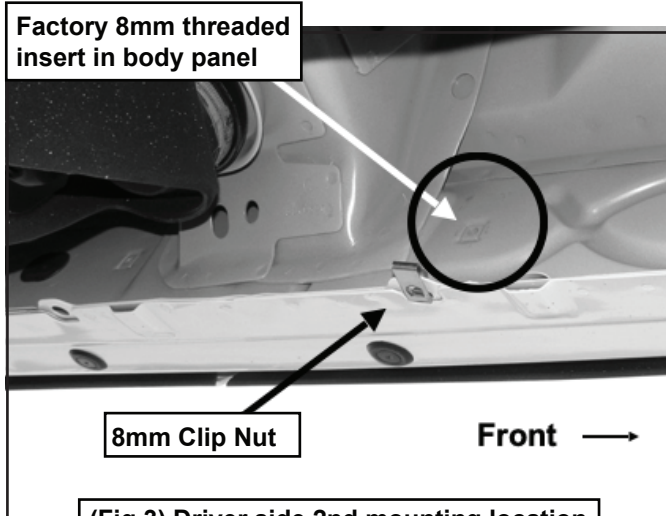
Thread hex bolt into weld nut from the backside-down to clear paint from threads (Fig 2).



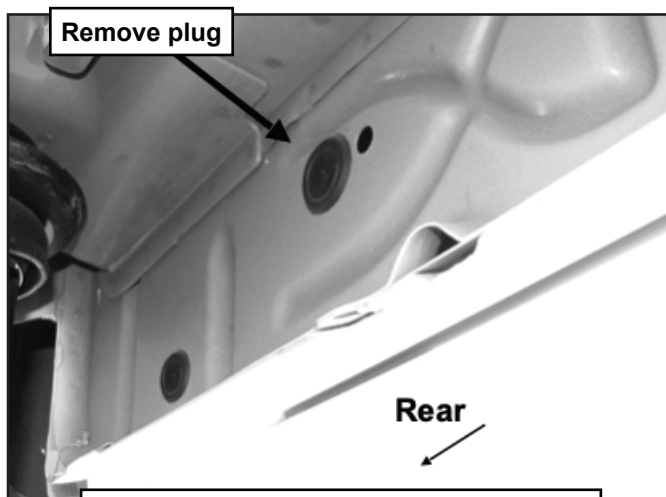
(Fig 2) Driver side front mounting location

If flat tab on pinch weld is equipped with holes:

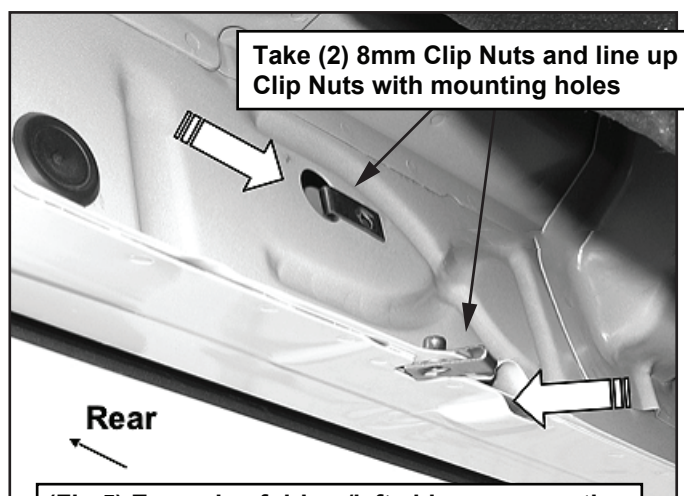
Select (1) 8mm Clip Nut. Slide the Clip Nut over the tab with the nut facing up behind the tab (Figs 3-5). Line up threaded nut with hole in tab. Repeat for each mounting location.



(Fig 3) Driver side 2nd mounting location



(Fig 4) Driver side rear mounting location



(Fig 5) Example of driver/left side rear mounting location with hole in body panel and flat tab on pinch weld

Top mounting location on the side of the body panel.

Model with factory installed threaded insert in body panel:

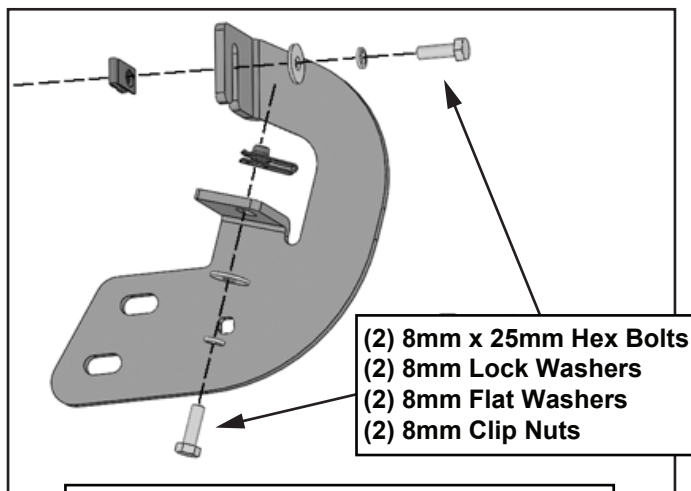
Thread 8mm x 25mm Hex Bolt into threaded insert to clear paint as required (Figs 2 & 3).

Models with large and small holes inside of body panel:

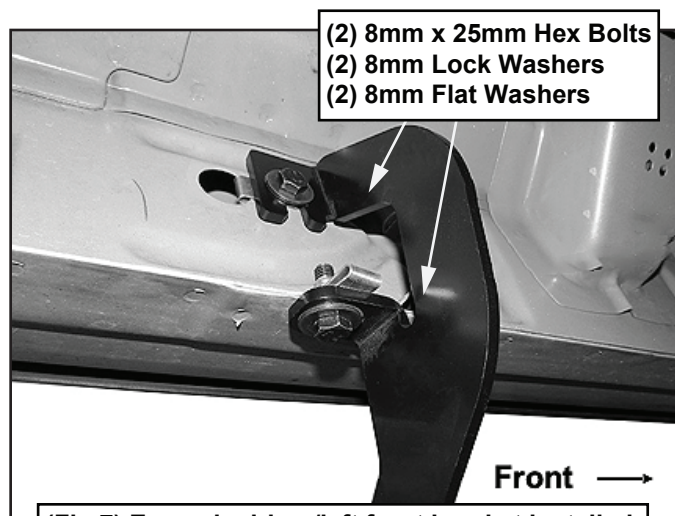
Remove the rubber plug from the larger hole (Fig 4). Select (1) 8mm Clip Nut. Slide the Clip Nut into the larger hole. Line up the threaded nut with the smaller hole (Fig 5).

STEP 3

Select the Driver/Left Front Mounting Bracket (Fig 6). See illustration on page 1 to help determine the correct Bracket. Attach the Bracket to the Clip Nuts and/or the factory threaded holes with (2) 8mm x 25mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers (Fig 7). DO NOT fully tighten hardware at this time.



(Fig 6) Attach the Driver/Left Front Bracket to the threaded holes or Clip Nuts in the front location

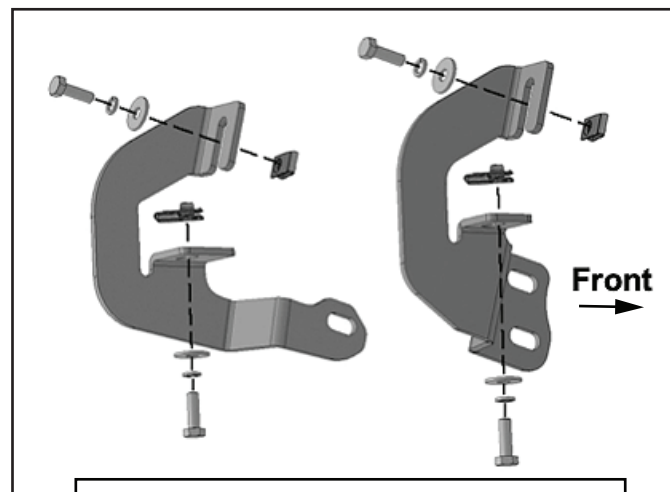


(Fig 7) Example driver/left front bracket installed.

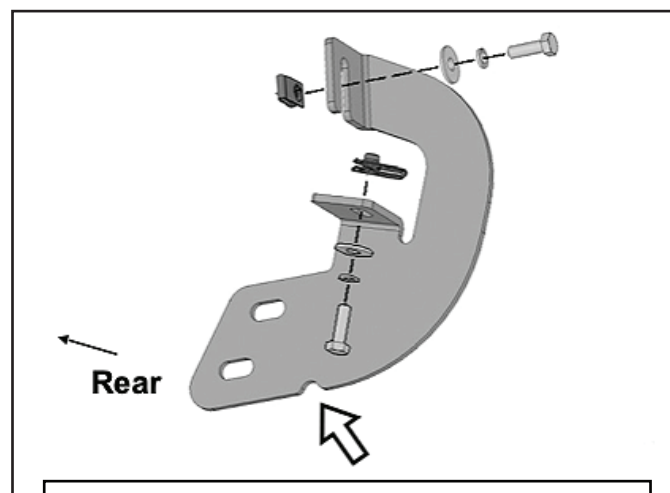
STEP 4

Repeat **STEPS 1-3** to attach the Driver/Left 2nd, 3rd and Rear Brackets (Figs 8 & 9).

Driver/Left Side Installation Pictured



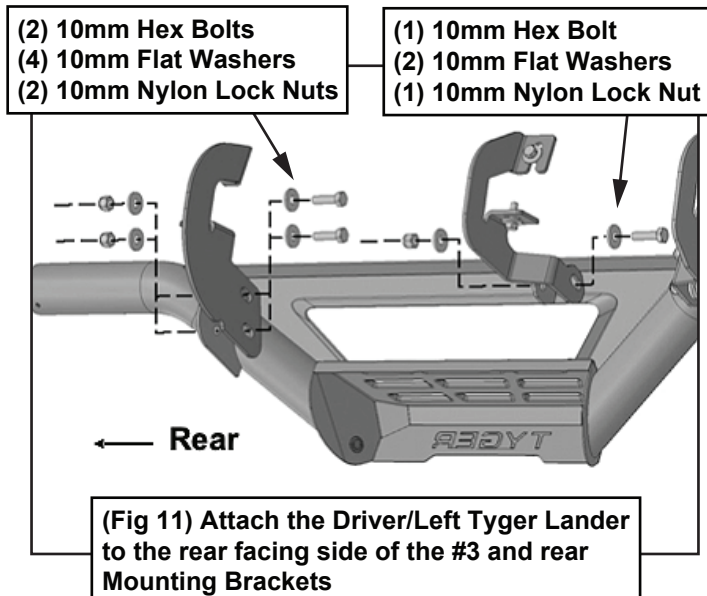
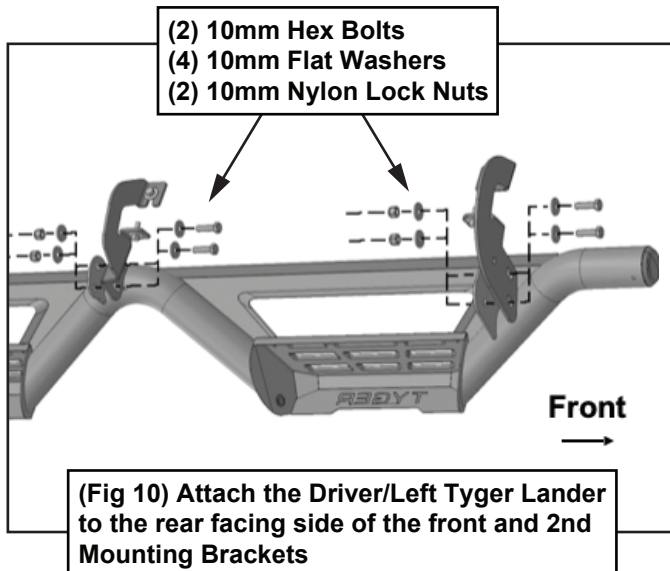
(Fig 8) Attach the Driver/Left 2nd and 3rd Brackets to the threaded holes or Clip Nuts in the center locations



(Fig 9) Attach the Driver/Left Rear Bracket to the threaded holes or Clip Nuts in the rear mounting location. Note notch for identification purposes (arrow)

STEP 5

Select the Driver/Left Tyger Lander. Attach the Tyger Lander to the rear facing side of the (4) Mounting Brackets with (7) 10mm Hex Bolts, (14) 10mm Flat Washers and (7) 10mm Nylon Lock Nuts (Figs 10 & 11). DO NOT tighten hardware.



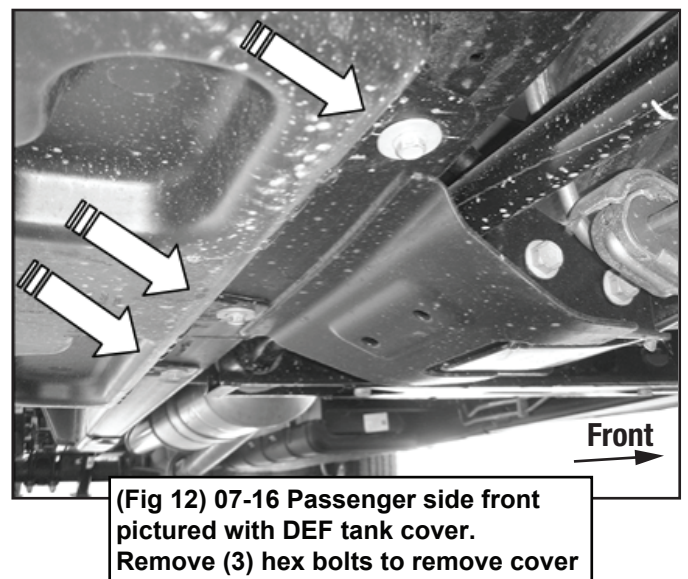
Models without DEF tank, skip to STEP 8.

2007-16 Models with DEF tank: The tank sits close to the side of the body. With specialized tools, the passenger/right front upper and lower Bracket can be installed but room is limited. 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 **07-16 models** with plastic lower tray under tank, remove the (3) hex bolts attaching the tray to the frame (Fig 12), and remove 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 (Fig 13). 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 9**.

Passenger/Right Side Installation Pictured



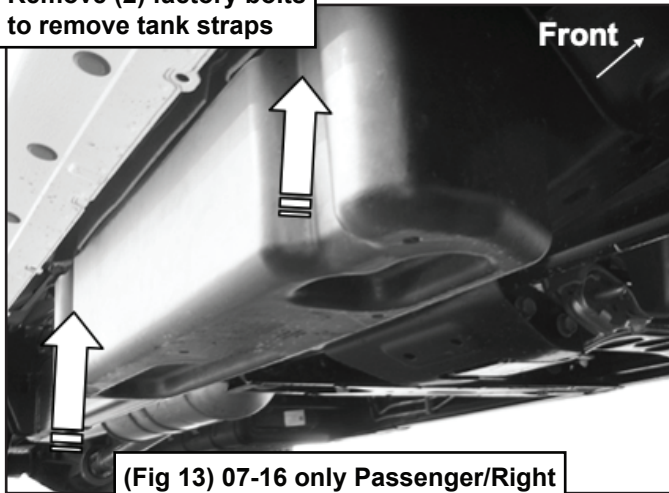
STEP 6

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

STEP 7

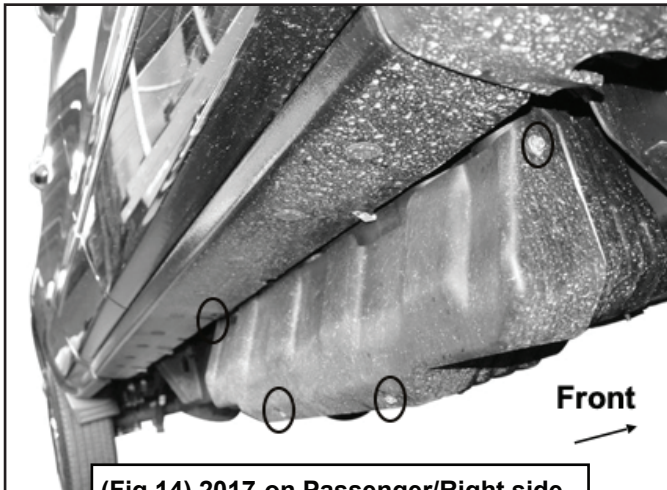
Move to the passenger side of the vehicle. Determine if the vehicle is equipped with a plastic diesel exhaust fluid (DEF) tank (Figs 12 & 13).

Remove (2) factory bolts to remove tank straps

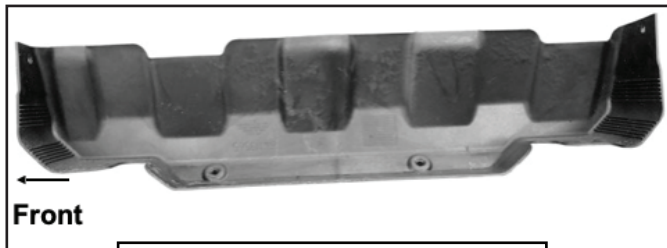


(Fig 13) 07-16 only Passenger/Right side DEF tank and cover

2017-on Models with DEF tank: Remove only the plastic cover from the tank, DO NOT remove tank (Figs 14 & 15).



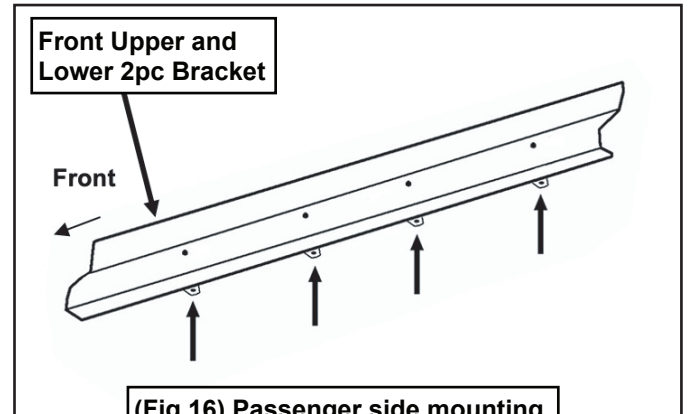
(Fig 14) 2017-on Passenger/Right side pictured with DEF plastic tank cover. Remove (4) hex bolts to remove plastic cover only. DO NOT remove tank



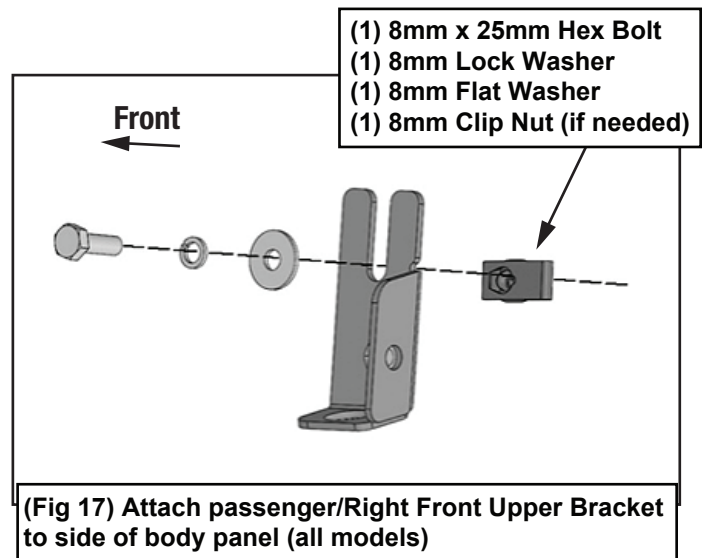
(Fig 15) 2017-on Passenger/Right side DEF cover removed

STEP 8

Locate the first tab on the edge of the pinch weld on the passenger side (Figs 2-4, 16). Select the passenger/right Front Upper Bracket (Fig 17). Repeat **STEPS 2 & 3** to attach the Upper Bracket to the side of the body panel. DO NOT tighten hardware at this time.



(Fig 16) Passenger side mounting locations from back of body panel



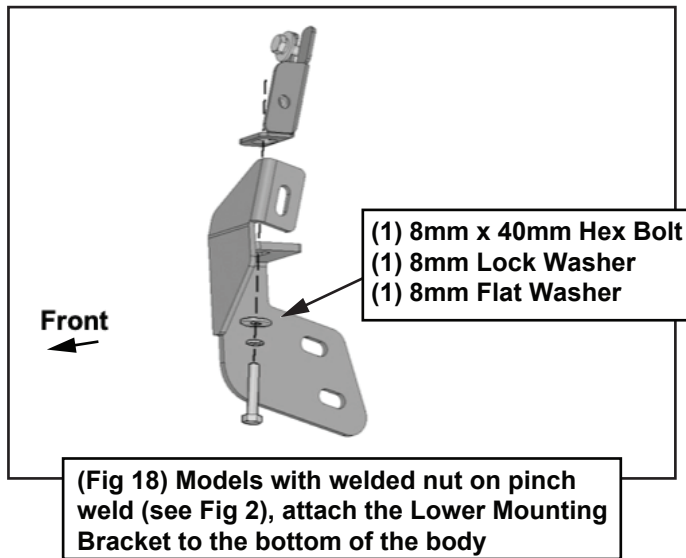
(Fig 17) Attach passenger/Right Front Upper Bracket to side of body panel (all models)

STEP 9

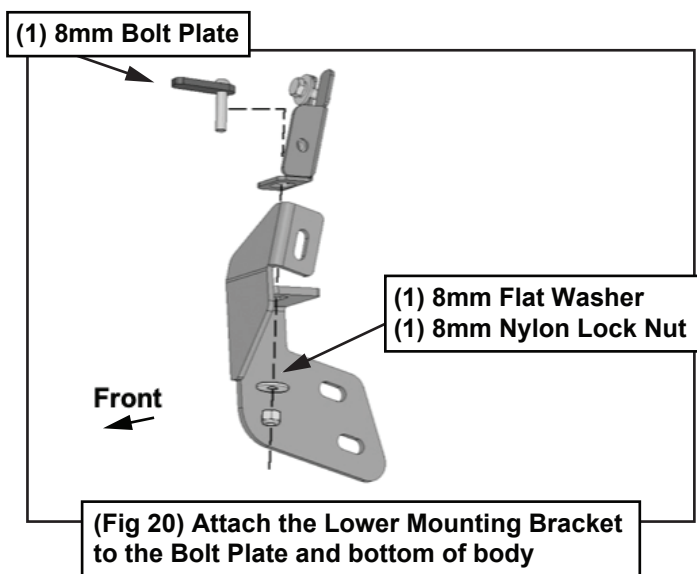
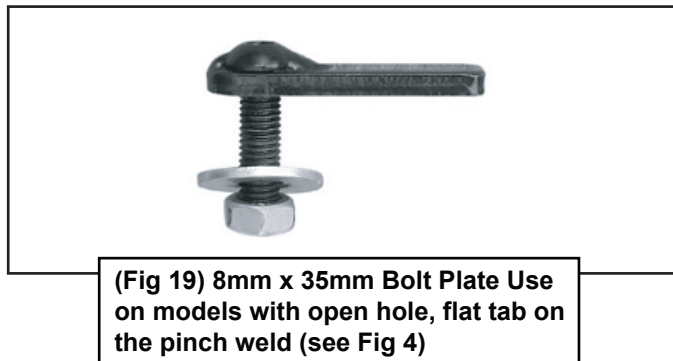
Line up the hole in the bottom of the Upper Bracket with the hole in the tab on the pinch weld.

a. Models with a weld-nut: Slide the bottom of the Bracket over the weld-nut.

b. Select the passenger/right Front Lower Bracket. Attach the Lower Bracket to the bottom of the body, weld-nut and Upper Bracket with (1) 8mm x 40mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Fig 18). Leave loose at this time.

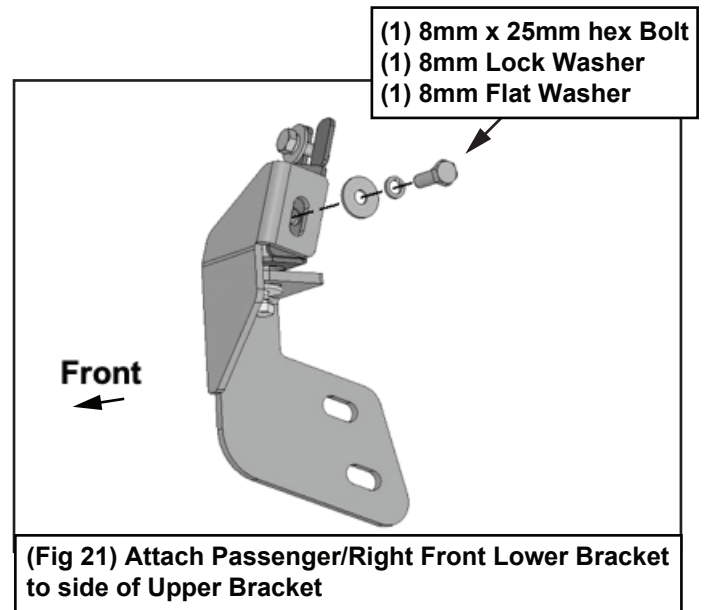


c. Models with flat tab and hole: Insert the 8mm Bolt Plate down through the hole in the Upper Bracket and mounting tab (Fig 19). Attach the Lower Bracket to the bottom of the body and Bolt Plate with (1) 8mm Flat Washer and (1) 8mm Nylon Lock Nut (Fig 20). DO NOT tighten hardware.



STEP 10

Attach the Lower Bracket to the rear facing side of the Upper Bracket with (1) 8mm x 25mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Fig 21). DO NOT tighten hardware.

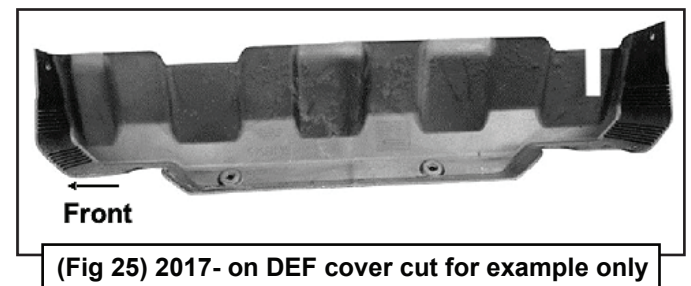
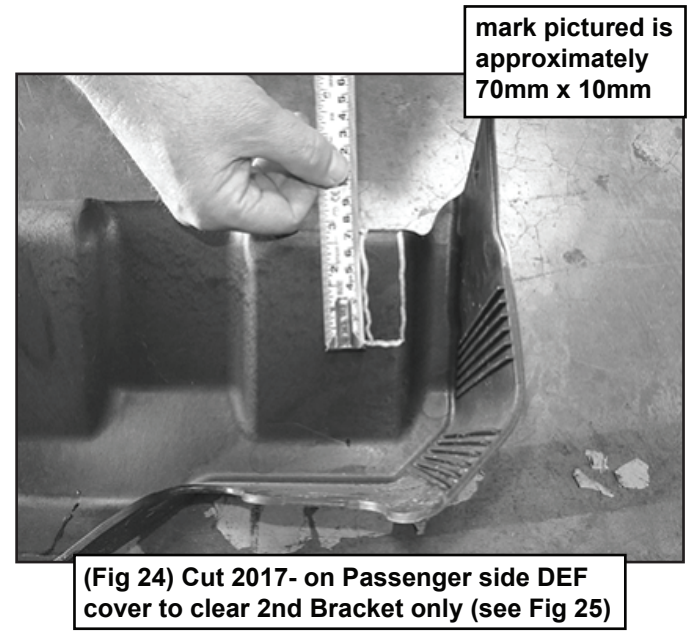
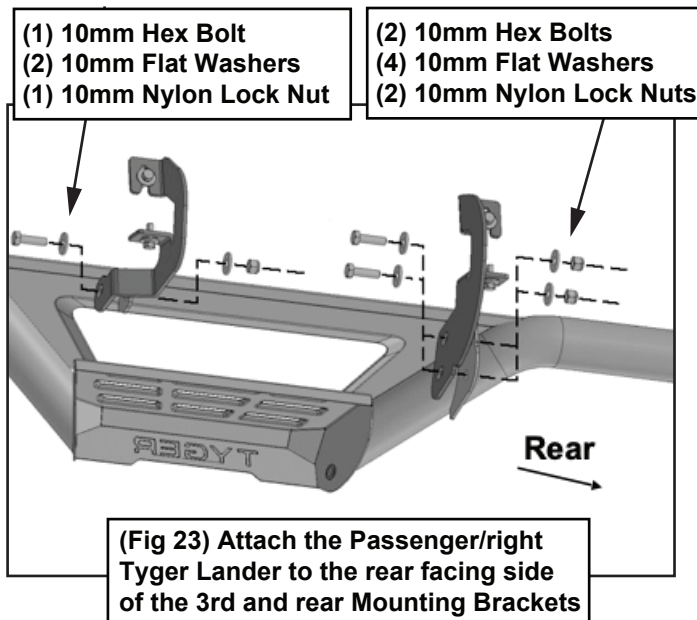
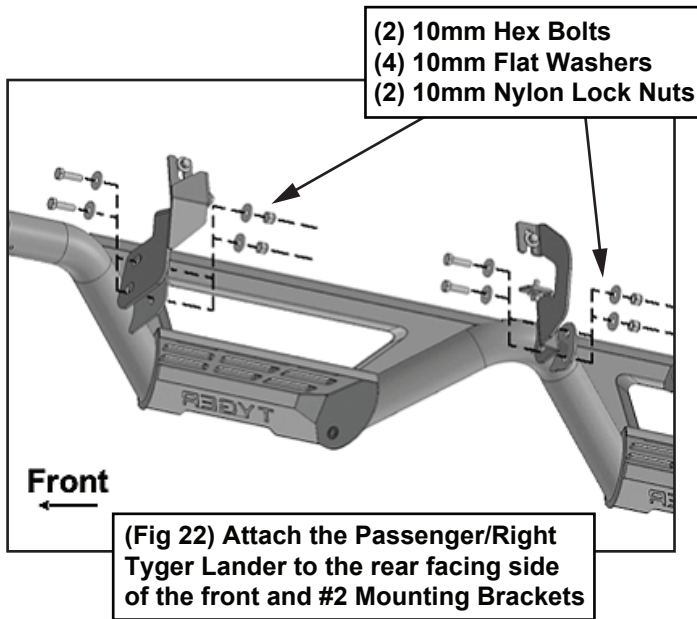


STEP 11

Move to the 2nd mounting location (Fig 16). Select the Passenger/Right 2nd Bracket. Repeat **STEPS 1-3** to attach the Bracket to the mounting location. Repeat this Step to attach the Passenger/Right 3rd and Rear Brackets.

STEP 12

Repeat **STEPS 5 & 6** to attach the Passenger/Right Tyger Lander (Figs 22 & 23).



STEP 14

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

STEP 13

Once the Side Bars are installed, lined up to side of vehicle and all hardware fully tightened, reinstall the DEF tank and cover, if equipped, as described in **STEP 7**.

a. 2017-on 2500-3500 DEF tank models only: Hold the DEF cover up in place and mark the 2nd Bracket location onto the cover (Fig 24). Use a sharp knife or hacksaw blade to carefully cut a slot in the plastic cover to clear the 2nd Bracket (Fig 25).