



# TYGER LanderX

TG-LX3D82478

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## 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)

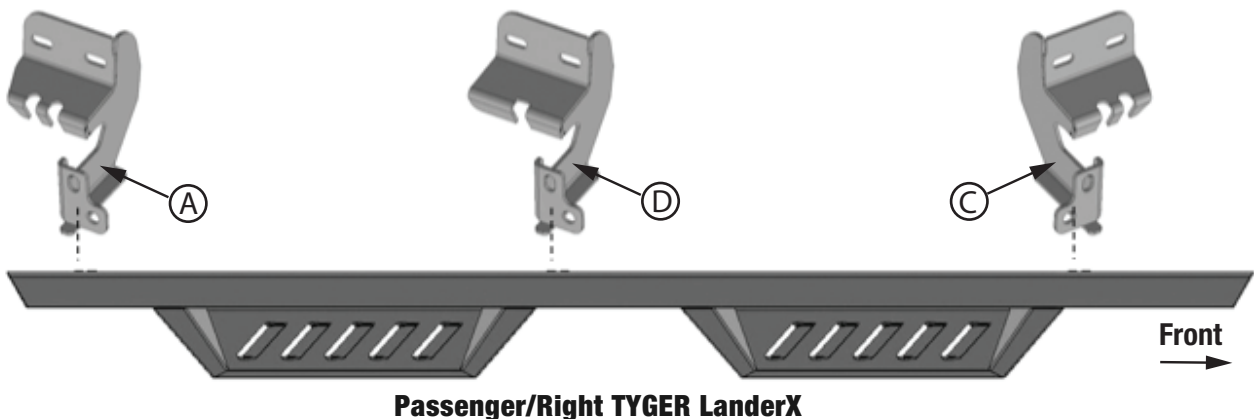
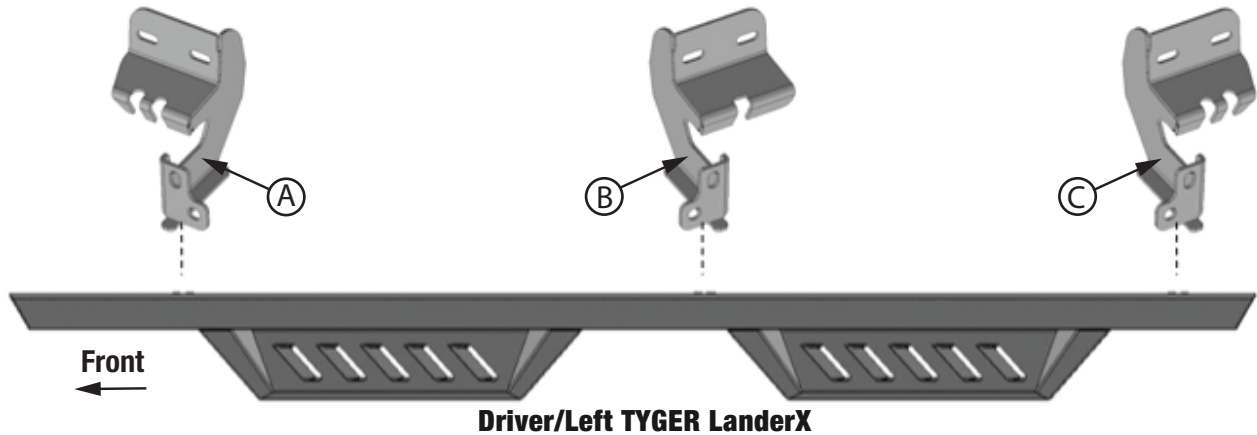
## TORQUE VALUES

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

- x1** Driver/Left TYGER LanderX **D**
- x1** Passenger/Right TYGER LanderX **P**
- x2** Driver Front/Passenger Rear Mounting Brackets **A**
- x2** Passenger Front/Driver Rear Mounting Brackets **C**
- x1** Driver/Left Center Mounting Bracket **B**
- x1** Passenger/Right Center Mounting Bracket **D**
- x4** 16mm x 60mm 2-Slot Spacer Plates
- x2** 16mm x 34mm 1-Slot Spacer Plates
- x6** 8mm x 30mm Bolt/Nut Plates
- x6** 8mm Plastic Retainers
- x12** 8-1.25mm x 25mm Combo Bolts 
- x12** 8-1.25mm x 30mm Hex Bolts 
- x12** 8mm x 24mm x 2mm Flat Washers
- x12** 8mm Lock Washers
- x6** 8mm Hex Nuts
- x10** 6-1.0mm x 25mm Button Head Bolts
- x20** 6mm x 18mm x 1.6mm Flat Washers
- x10** 6mm Flange Nuts
- x1** 4mm Wrench

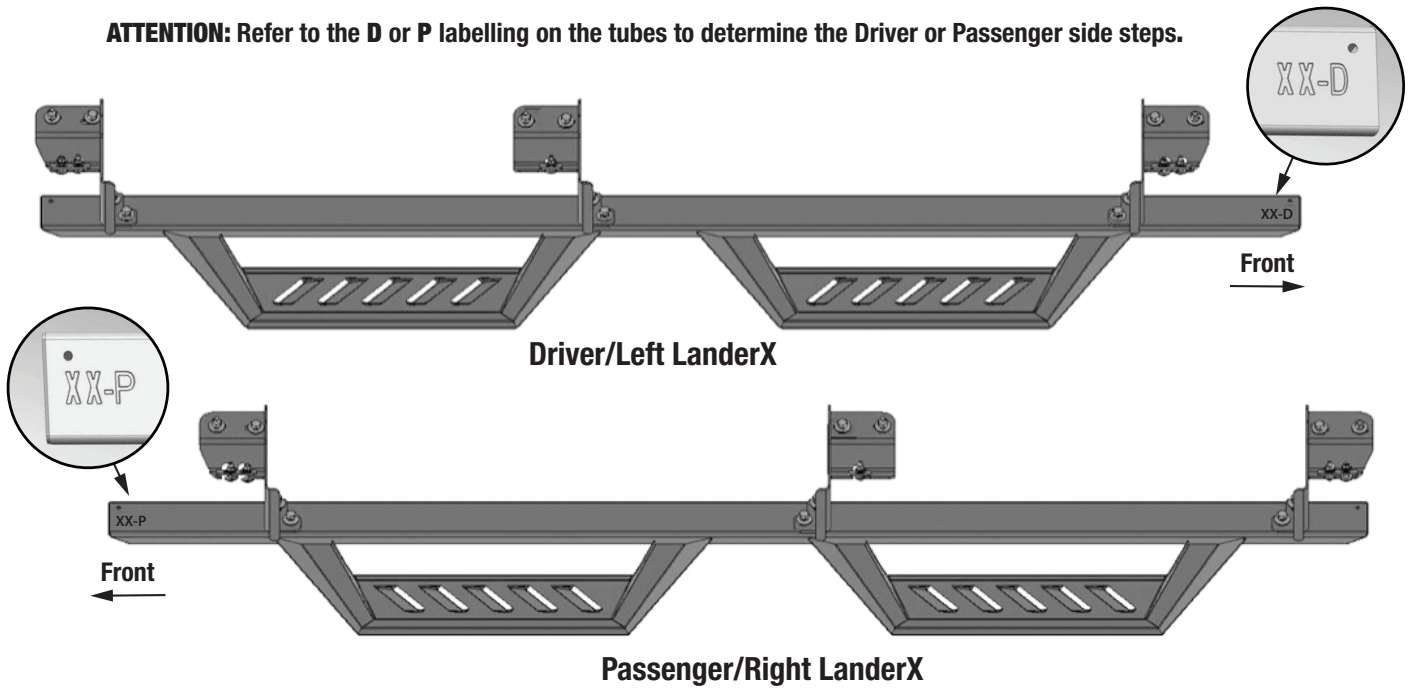
## Parts List

Reference the letters printed on the brackets to determine mounting locations



## Bottom View

**ATTENTION:** Refer to the D or P labelling on the tubes to determine the Driver or Passenger side steps.



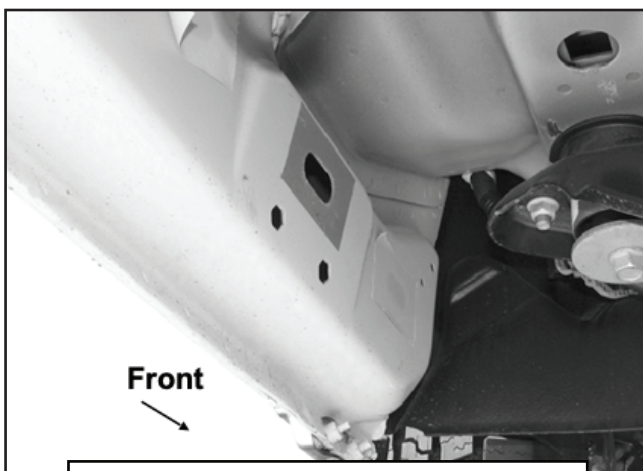
### PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. DRILLING MAY BE REQUIRED.

## STEP 1

Starting at the driver/left side of the vehicle, remove the sealing tape covering the factory holes in the side of the inner panel (Fig 1).

### Driver/left side Installation Pictured



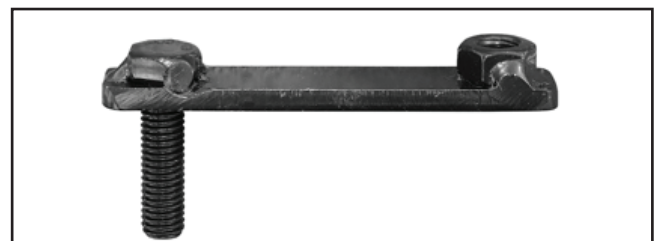
(Fig 1) Driver/Left front mounting location. 2009-mid 2015 model pictured. (Note: There are no factory holes in pinch weld for 2009-2011 models)

## STEP 2

Determine the correct procedure to attach the Driver/Left Front Mounting Bracket (A) for your model/year:

### Models without factory threaded inserts in body panel:

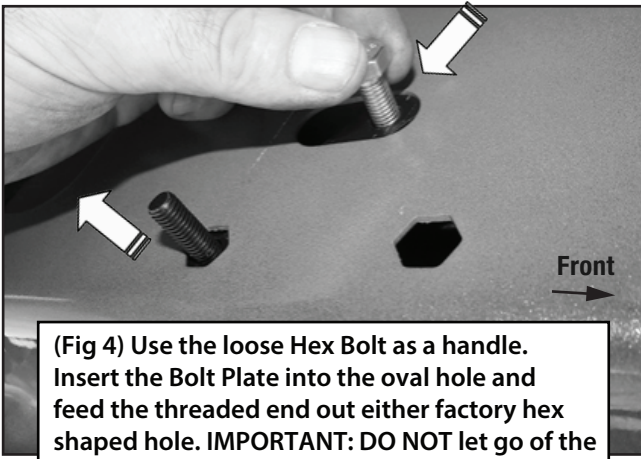
- a. Partially thread an 8mm Hex Bolt into the threaded end of an 8mm Bolt and Nut Plate (Fig 2). Thread the Hex Bolt in until it is flush with the welded nut (Fig 3). Use the Hex Bolt as a handle and insert the Bolt and Nut Plate into the oval hole (Fig 4).



(Fig 2) 8mm Bolt-8mm Nut Plate, NOTE: 8mm Bolt-Nut Plate is not required on models with threaded inserts

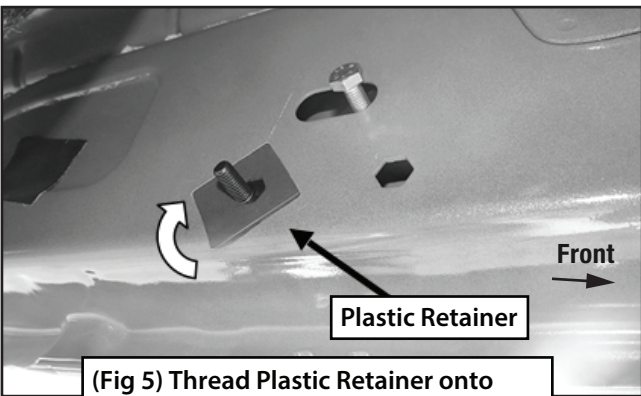


(Fig 3) Thread (1) 8mm Hex Bolt into the nut on the plate. Stop when bolt reaches end of nut as pictured



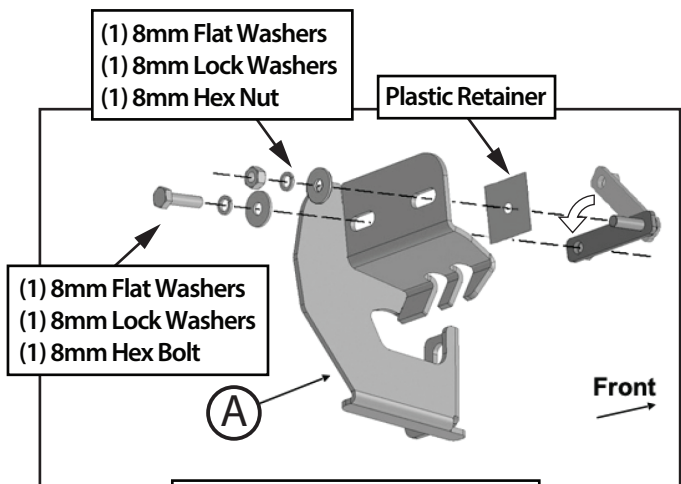
(Fig 4) Use the loose Hex Bolt as a handle. Insert the Bolt Plate into the oval hole and feed the threaded end out either factory hex shaped hole. **IMPORTANT: DO NOT** let go of the hex bolt until after Plastic Retainer has been threaded onto bolt (Fig 5)

- b. Feed the threaded bolt on the Bolt Plate through one of the hex shaped factory holes (Fig 4).
- c. Thread (1) 8mm Plastic Retainer onto the threaded end and down tight against the body panel (Fig 5). **NOTE:** The Plastic Retainer is designed to keep the Bolt/Nut Plate from falling into the body panel and to aid in Bracket installation.



(Fig 5) Thread Plastic Retainer onto Bolt Plate to hold Bolt Plate in position.

- d. Select the Driver/Left Front Mounting Bracket (A) (Fig 6). Attach the Bracket to the threaded end of the Bolt Plate with (1) 8mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut (Fig 6). **DO NOT** tighten at this time.



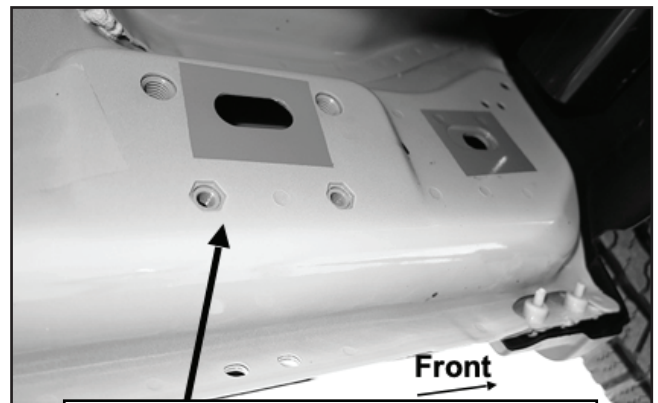
(Fig 6) Attach Driver/Left Front Bracket (A) to Bolt/Nut Plate

- e. Remove the 8mm Hex Bolt from the nut on the Bolt Plate from **Step 3a** (Fig 3). Rotate the Bolt on the Bolt Plate until the threaded nut lines up with the remaining hole in the Mounting Bracket and body panel (Fig 6). Attach the Bracket to the threaded Nut Plate with (1) 8mm x 30mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Fig 6). **DO NOT** fully tighten hardware at this time.

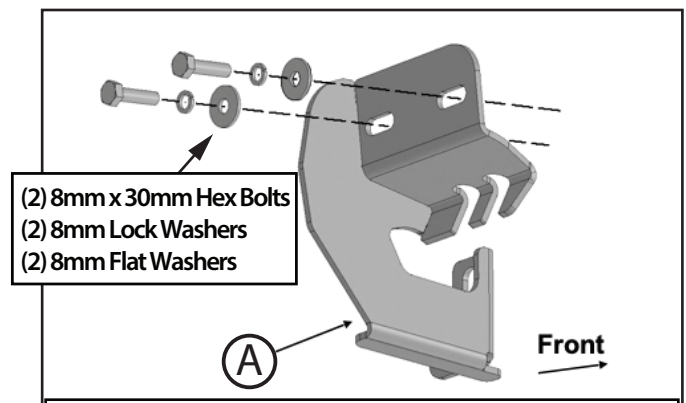
**Models with factory threaded inserts inside of the body panel:**

- a. Attach the Driver/Left Front Mounting Bracket (A) directly to the threaded inserts with (2) 8mm x 30mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers (Figs 7, 8 & 9). Leave hardware loose.

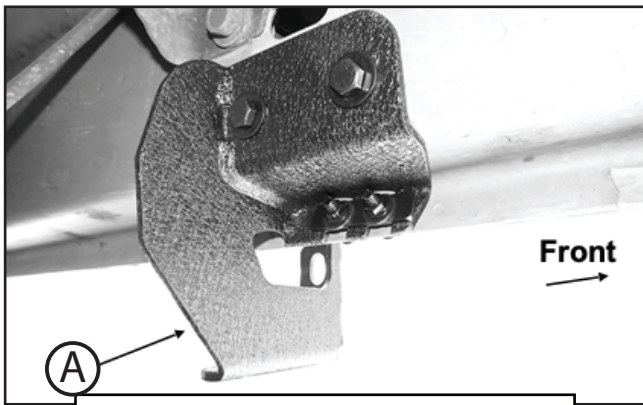
**IMPORTANT:** Rust or dirt may build up overtime and clog up the holes preventing the bolts to be installed. In this case, use a 8-1.25mm Tap (not included) to clear and cut new threads to allow the bolts to be mounted.



(Fig 7) Example of driver/left front mounting location on mid 2015-on model with factory installed threaded inserts



(Fig 8) Models with factory installed threaded inserts, attach Brackets directly to threaded inserts

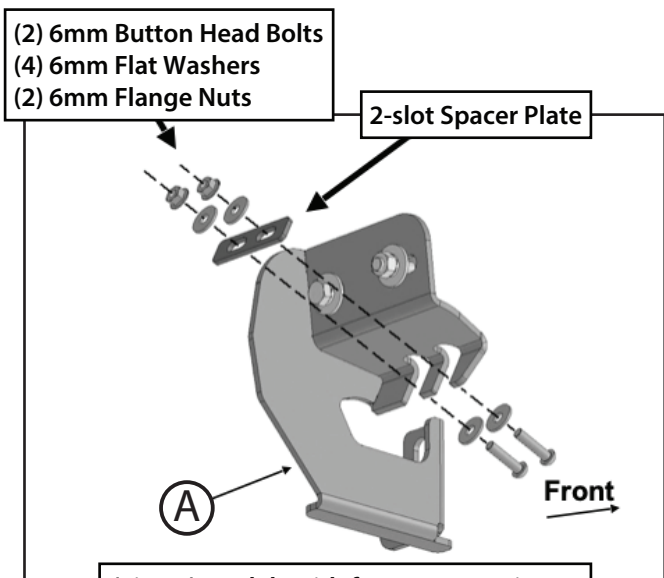


(Fig 9) Driver/left Front Bracket installed

### STEP 3

Line up the slots in the bottom of the Mounting Bracket with the (2) factory holes in the pinch weld. Attach the Bracket to the back of the pinch weld with (1) 2-Slot Spacer Plate, (2) 6mm x 25mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Flange Nuts (Figs 9 & 10). **DO NOT** fully tighten hardware at this time. **IMPORTANT: 2009-12** models may not be equipped with factory holes and will require drilling through the pinch weld to attach the bottom of the Mounting Brackets. **DO NOT** drill through pinch weld at this time (see **STEP 7**).

#### Driver/left side Installation Pictured

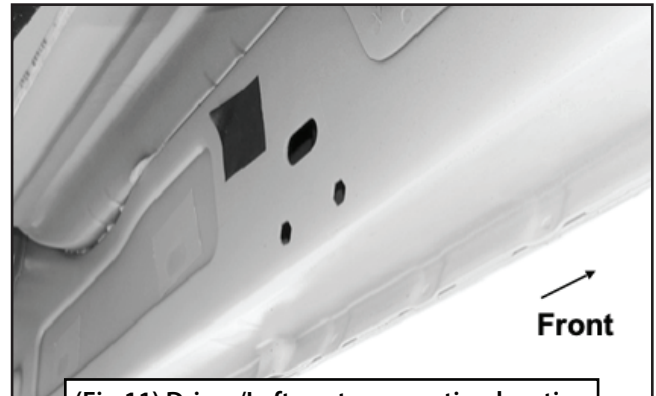


(Fig 10) Models with factory mounting holes through pinch weld, attach bottom slots in Brackets to mounting holes

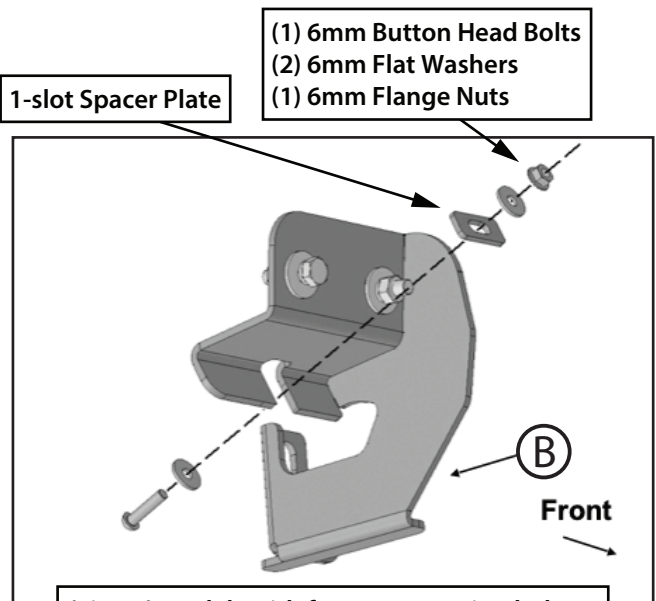
### STEP 4

Move along the side of the body panel to the center mounting location (Fig 11). Select the unique Driver/Left Center Mounting Bracket (B) (Fig 12). Repeat **STEPS 1 & 2** to install the Driver/Left Center Bracket (B) (Figs 12 & 13). Line up the slot in the bottom of the Mounting Bracket with the factory hole in the pinch weld. Attach the Bracket to the back of the pinch weld with (1) 1-Slot Spacer Plate, (1) 6mm x 25mm Button Head Bolt, (2) 6mm Flat Washers and (1) 6mm Flange Nut (Fig 12). **DO NOT** fully tighten hardware at this time. **IMPORTANT: 2009-12** models may not be equipped with factory holes and will require drilling through the pinch weld to attach the bottom of the Mounting Brackets. **DO NOT** drill through pinch weld at this time, (see **STEP 7**).

#### Driver/left side Installation Pictured

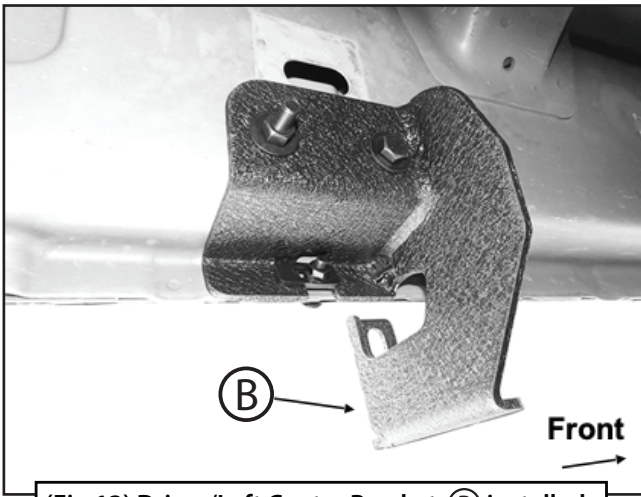


(Fig 11) Driver/Left center mounting location

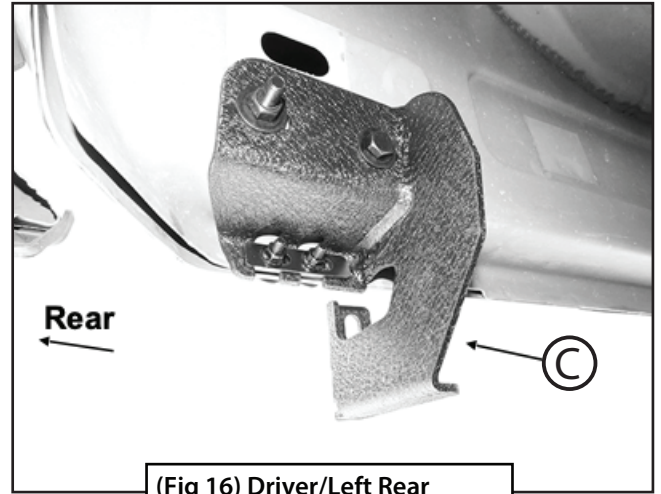


(Fig 12) Models with factory mounting holes through pinch weld, attach single bottom slot in Bracket to mounting hole





(Fig 13) Driver/Left Center Bracket (B) installed

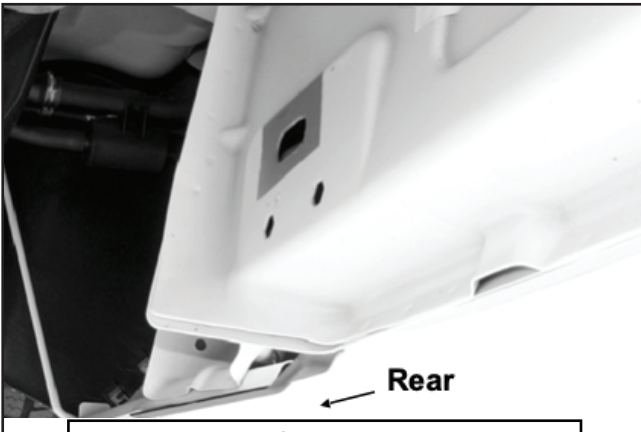


(Fig 16) Driver/Left Rear Mounting Bracket (C) installed

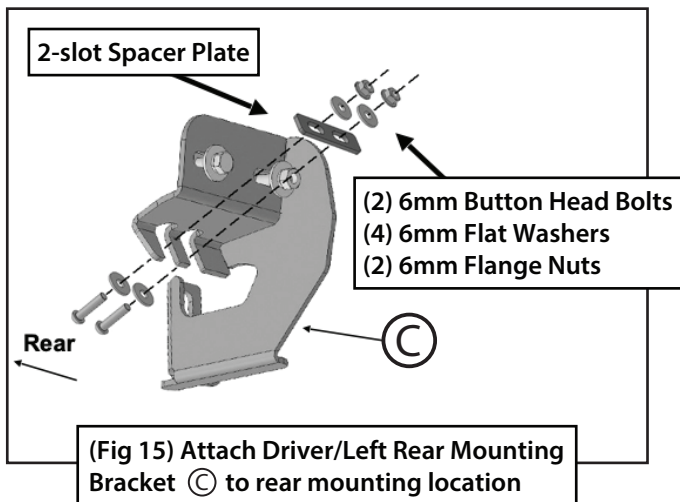
## STEP 5

Move to the rear location (Fig 14). Repeat **STEPS 1-3** to install the Driver/Left Rear Bracket (C) (Figs 15 & 16).

Driver/left side Installation Pictured



(Fig 14) Driver/Left rear mounting location

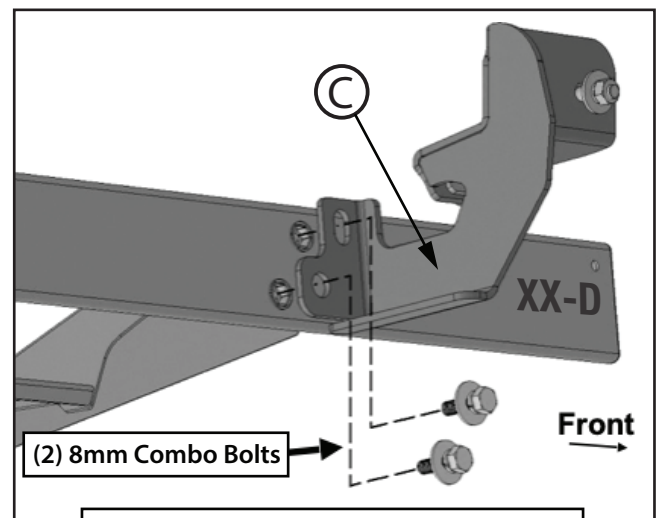


(Fig 15) Attach Driver/Left Rear Mounting Bracket (C) to rear mounting location

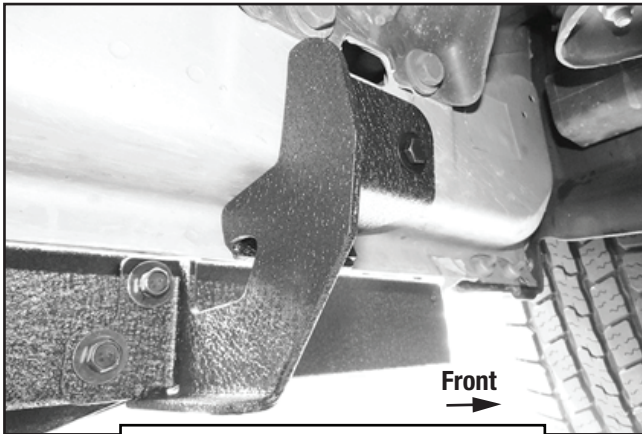
## STEP 6

Select the Driver/Left TYGER LanderX. Carefully position the TYGER LanderX up to the (3) Mounting Brackets. **IMPORTANT:** DO NOT slide, (front to back or rotate), the TYGER LanderX on the Brackets or damage to the finish may result. Attach the TYGER LanderX to the (3) Brackets with (6) 8mm Combination Hex Bolts (Figs 17-21). DO NOT fully tighten at this time.

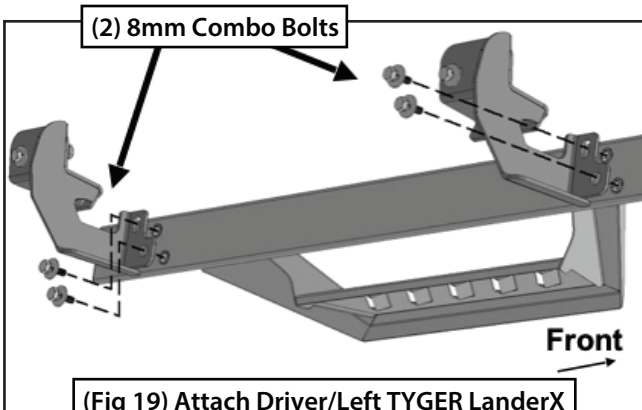
Driver/left side Installation Pictured



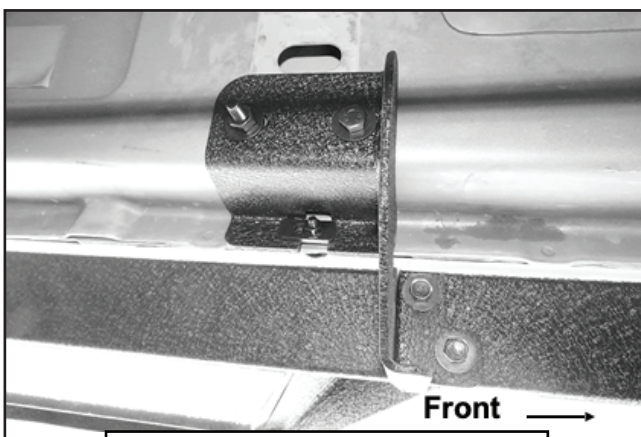
(Fig 17) Attach Driver/Left TYGER LanderX to Driver/Left Front Mounting Bracket (C)



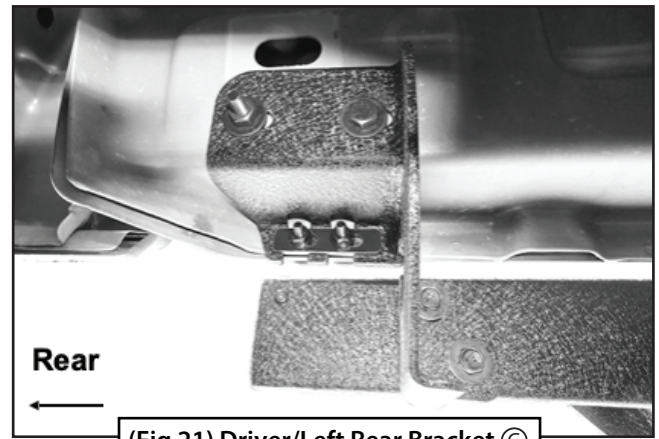
(Fig 18) Driver/Left Front Bracket and TYGER LanderX installed



(Fig 19) Attach Driver/Left TYGER LanderX to Driver/Left Center and Rear Brackets



(Fig 20) Driver/Left Center Bracket ⑧ and TYGER LanderX installed



(Fig 21) Driver/Left Rear Bracket ⑨ and TYGER LanderX installed

## STEP 7

Properly level and adjust the TYGER LanderX and fully tighten all hardware.

**2009-12** models requiring drilling to pinch weld to attach bottom of Brackets:

- a. Make sure the TYGER LanderX is level to the vehicle. Adjust and tighten all mounting hardware.
- b. Line up the slots in the bottom of the Mounting Brackets with the back of the pinch weld. Mark the location of the slots onto the pinch weld.
- c. Drill 1/4" holes through the pinch weld for each Mounting Bracket. **IMPORTANT:** DO NOT drill too close to the bottom edge of the pinch weld. Adjust the Brackets as necessary to move the slots up the body panel away from the edge.
- d. Attach each front or rear Bracket to the pinch weld with (1) 2-Slot Spacer Plate, (2) 6mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Flange Nuts (Figs 9, 10, 15 & 16).
- e. Attach each center Bracket to the pinch weld with (1) 1-Slot Spacer Plate, (1) 6mm Hex Bolt, (2) 6mm Flat Washers and (1) 6mm Flange Nut (Figs 12 & 13).
- f. Check the TYGER LanderX for level then fully tighten all hardware.

## STEP 8

Move to the passenger/right side of the vehicle. Repeat **STEPS 1-7** for Passenger/Right TYGER LanderX installation.

## STEP 9

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