



RISER[®]

TG-RS5D50078

BEFORE INSTALLATION

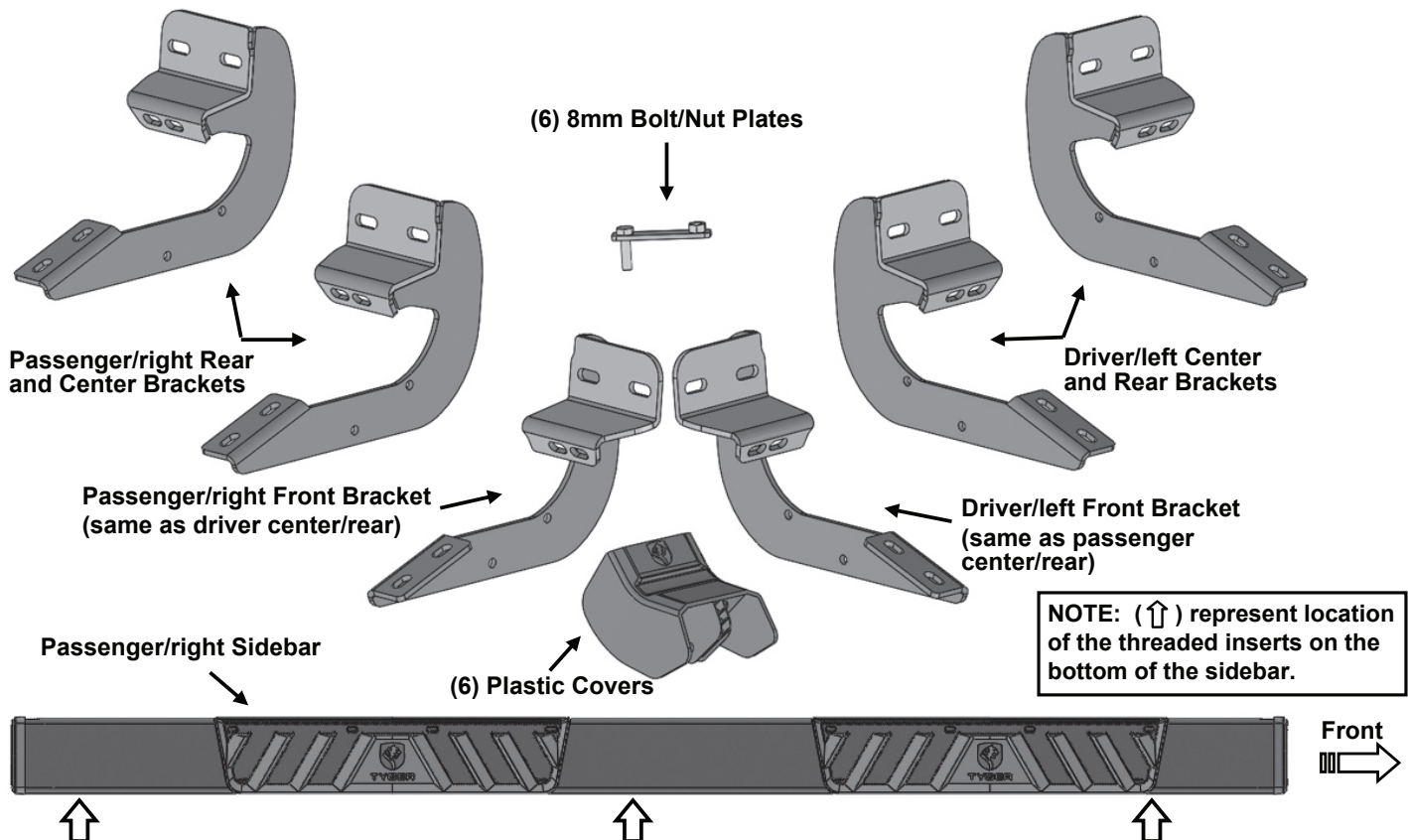
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM,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

- | | | |
|---------------------------------------|-----------------------------------|--------------------------------------|
| x1 Driver/left Sidebar | x12 8-1.25mm x 30mm Hex Bolts | x6 8-1.25mm Hex Nuts |
| x1 Passenger/right Sidebar | x12 8-1.25mm x 25mm Combo Bolts | x12 6-1.0mm x 25mm Button Head Bolts |
| x3 DS Front & PS Center/Rear Brackets | x6 8mm Nut/Bolt Plates | x24 6mm x 18mm x 1.6mm Flat Washers |
| x3 PS Front & DS Center/Rear Brackets | x6 8mm Plastic Retainers | x12 6mm Flange Nuts |
| x6 Plastic Covers | x12 8mm Lock Washers | x1 Allen Wrench S=4 (6mm hardware) |
| x12 Plastic Retaining Clips | x12 8mm x 24mm x 2mm Flat Washers | |

Parts List

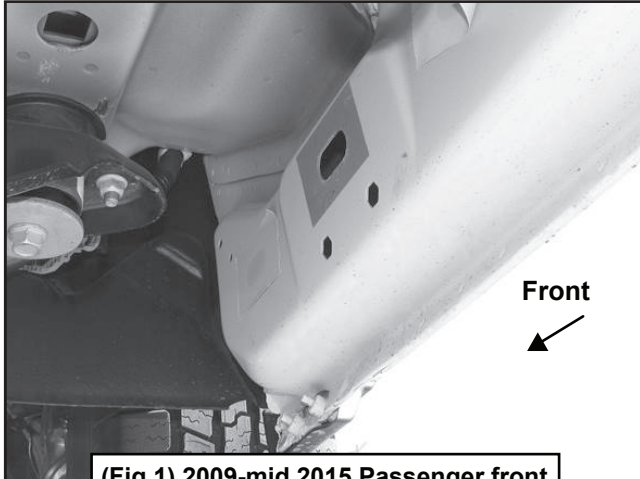


NOTE: Drilling may be required.

STEP 1

Starting at the passenger side-front of the vehicle, remove the sealing tape covering the factory holes in the side of the inner panel (Fig 1).

Passenger/Right Side Installation Pictured



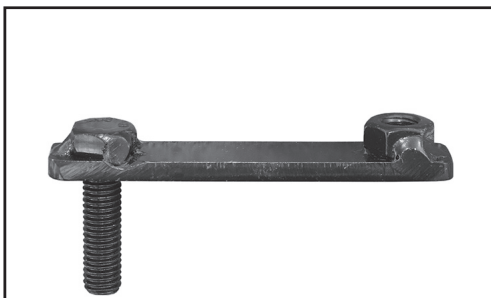
(Fig 1) 2009-mid 2015 Passenger front mounting location (No factory holes in pinch weld 2009-2012 models)

STEP 2

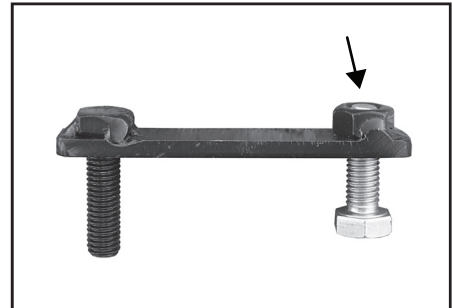
Determine the correct procedure to attach the driver side front Bracket for your model/year:

Models without factory threaded inserts in body panel:

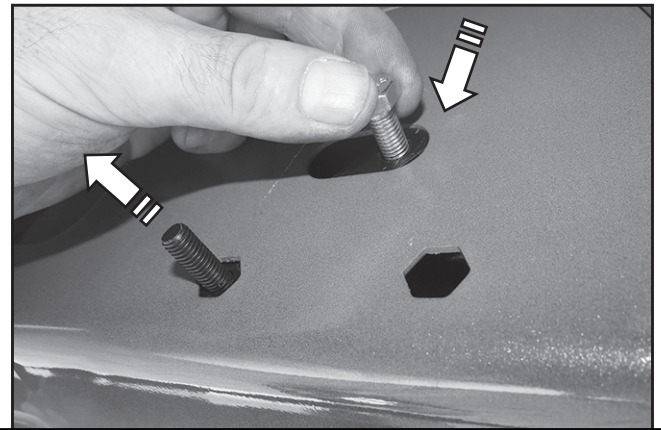
a. Select (1) 8mm Bolt/nut Plate (Fig 2). Partially thread an 8mm Hex Bolt onto the threaded end of the Nut Plate (Fig 3). Thread the Hex Bolt in until it is flush with the welded nut. Use the Hex Bolt as a handle and insert the Bolt and Nut Plate into the oval hole (Fig 4). Feed the threaded bolt on the Bolt Plate through one of the hex shaped factory holes.



(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. Thread (1) 8mm Plastic Retainer onto the threaded end and down tight against the body panel (Fig 5).

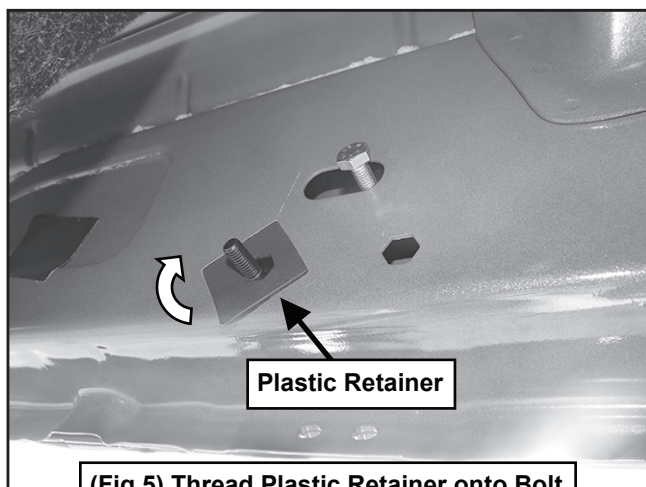
NOTE:

from falling into the body panel and to aid in Bracket installation.

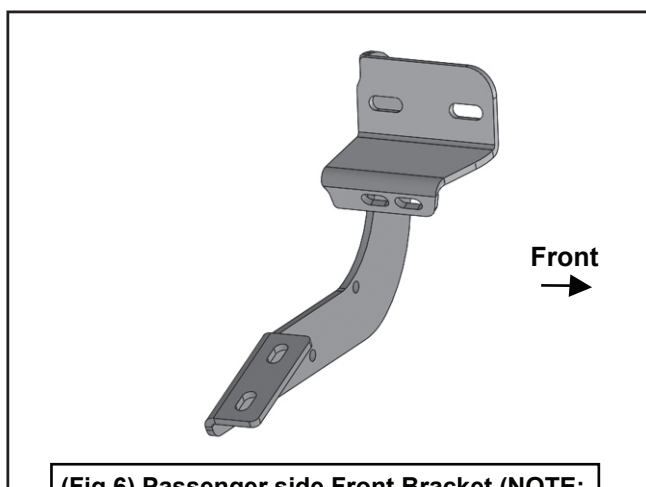
c. Select the Passenger/Right Front Bracket (Fig 6). Attach the Bracket to the threaded end of the Bolt Plate with (1) 8mm Flat Washer, (1) 8mm Lock washer and (1) 8mm Hex Nut (Fig 7).

IMPORTANT:

Driver/Left Center and Rear Brackets. DO NOT tighten hardware at this time.

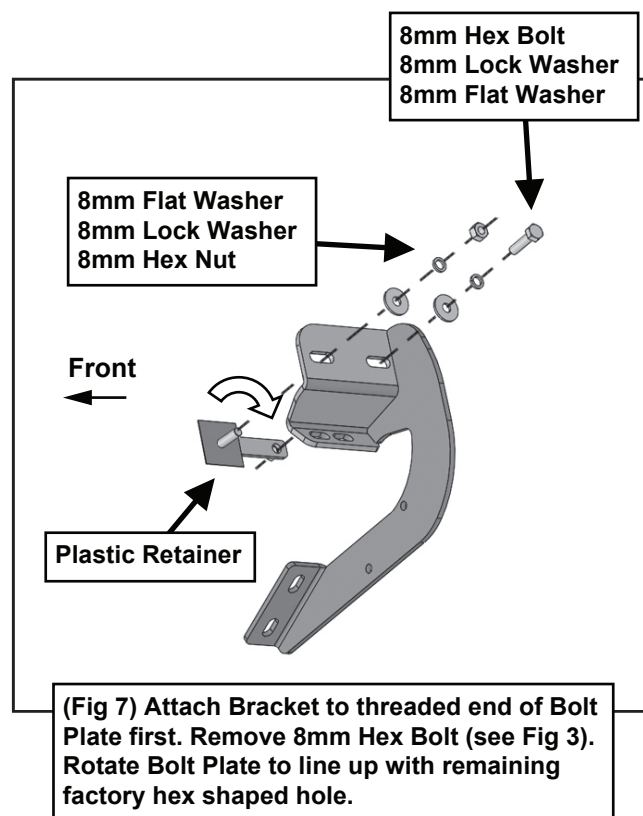


(Fig 5) Thread Plastic Retainer onto Bolt Plate to hold Bolt Plate in position.



(Fig 6) Passenger side Front Bracket (NOTE: Same Bracket is used on driver side center and rear locations)

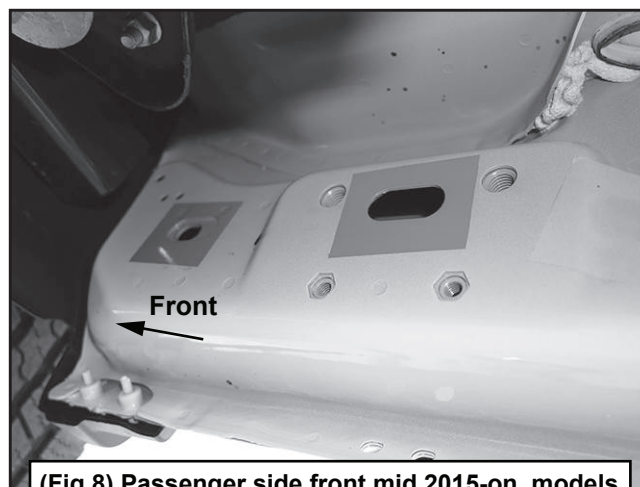
d. Remove the 8mm Hex Bolt from the nut on the Bolt Plate from **STEP 3a**. Rotate the Bolt on the Bolt Plate until the threaded nut lines up with the remaining hole in the Mounting Bracket and body panel (Fig 7). Attach the Bracket to the threaded Nut Plate with (1) 8mm x 30mm Hex Bolt, (1) 8mm Lock Washer and (1) 8mm Flat Washer (Fig 7). **DO NOT** tighten hardware.



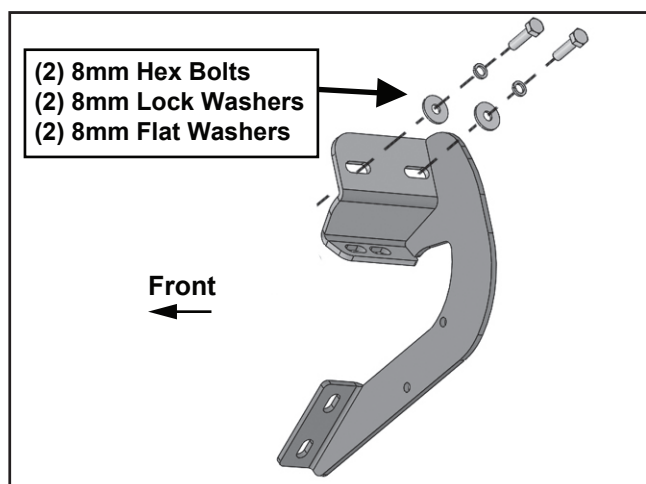
(Fig 7) Attach Bracket to threaded end of Bolt Plate first. Remove 8mm Hex Bolt (see Fig 3). Rotate Bolt Plate to line up with remaining factory hex shaped hole.

Models with factory threaded inserts:

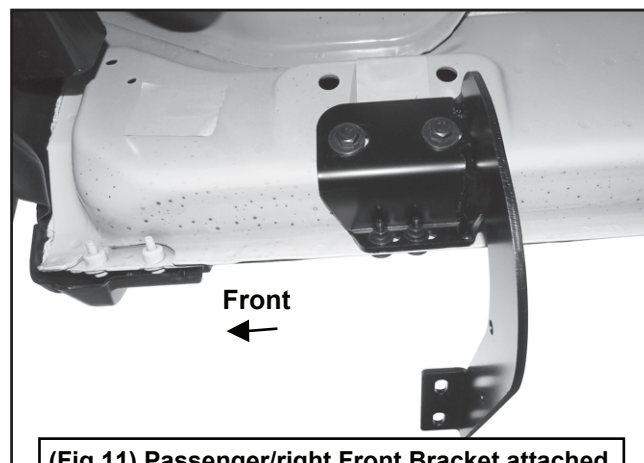
Attach the Passenger/right Front Bracket to the threaded inserts with (2) 8mm x 30mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washer (Figs 8-9). Leave hardware loose at this time.



(Fig 8) Passenger side front mid 2015-on, models with factory installed threaded inserts



(Fig 9) Passenger/right Front Mounting Bracket illustrated for models with threaded inserts



(Fig 11) Passenger/right Front Bracket attached to the body panel and pinch trim

IMPORTANT: 2009-2012 models without holes in pinch weld will require drilling 1/4" holes through pinch weld to attach bracket. Do complete installation of sidebars first, level sidebar before drilling holes for bracket.

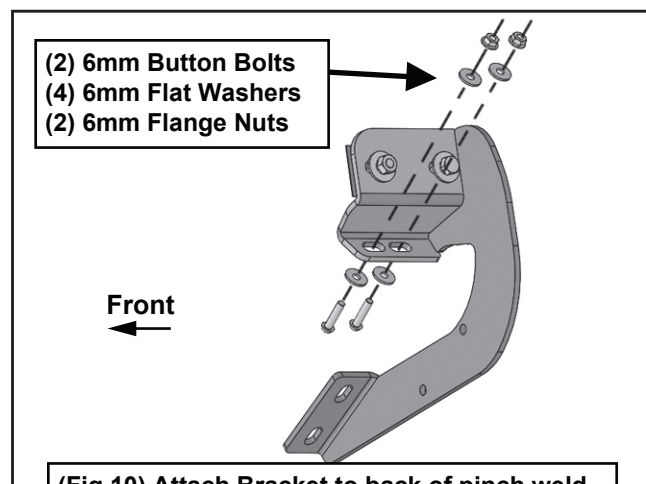
STEP 3

Next, attach the Bracket to the back of the pinch weld with (2) 6mm x 25mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Flange Nuts (Figs 10-11). DO NOT fully tighten hardware at this time.

IMPORTANT:

will require drilling through the pinch weld to fully attach Bracket. Do not drill through pinch weld at this time (see STEP 8).

Passenger/Right Side Installation Pictured

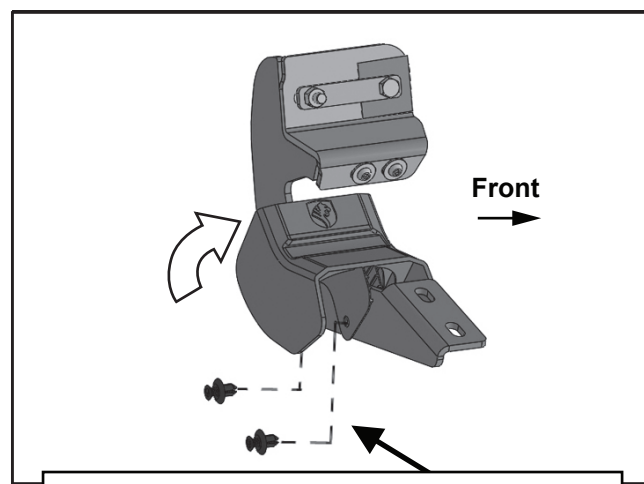


(Fig 10) Attach Bracket to back of pinch weld (models with factory holes in pinch weld only)

STEP 4

Select (1) Plastic Bracket Cover and (2) Retaining Clips. Slide the Cover over the passenger/right front Bracket. Line up the (2) mounting holes in the Cover with the holes in the Bracket. Insert the Clip into the holes and push center pin to expand Clip (Fig 12). Repeat this Step for all Cover installations. Notes install all plastic covers onto the brackets before installing the side bar.

Passenger/Right Side Installation Pictured



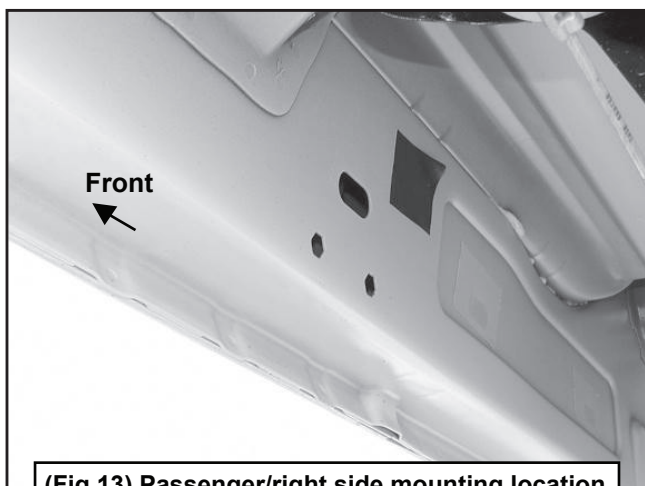
(Fig 12) Slide Cover over top of Bracket. Attach Cover to Bracket with (2) Retaining Clips

STEP 5

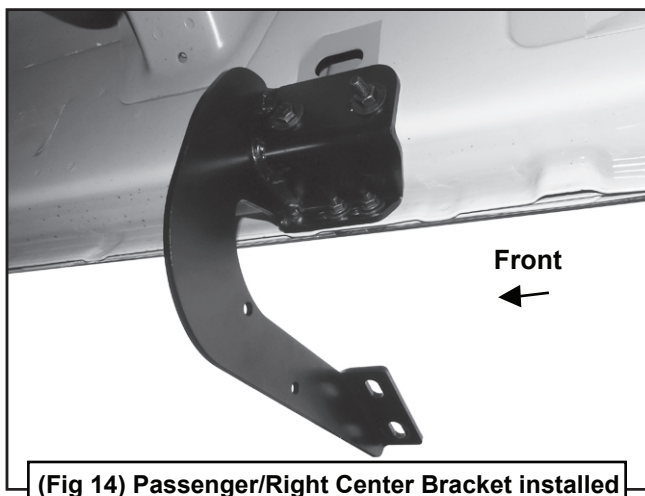
Move along the side of the body panel to the center mounting location (Fig 13). Repeat the appropriate **STEPS 1-4** to install the Passenger/Right Center Bracket (Figs 14-15).

IMPORTANT: The front bracket is different from the center and rear Brackets, (see illustration above-note direction of mounting plate).

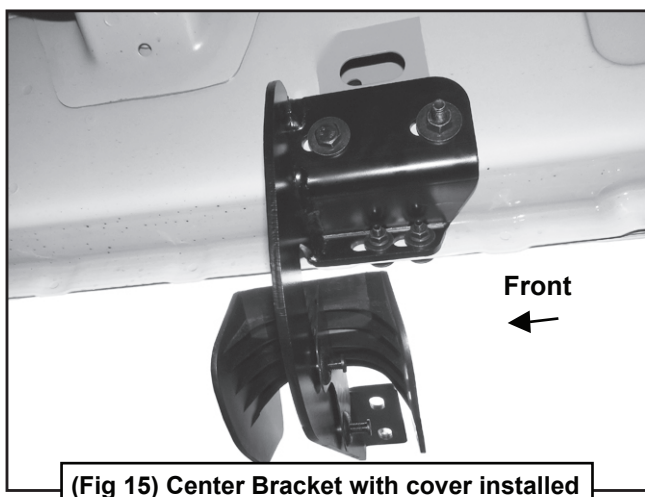
Passenger/Right Side Installation Pictured



(Fig 13) Passenger/right side mounting location



(Fig 14) Passenger/Right Center Bracket installed

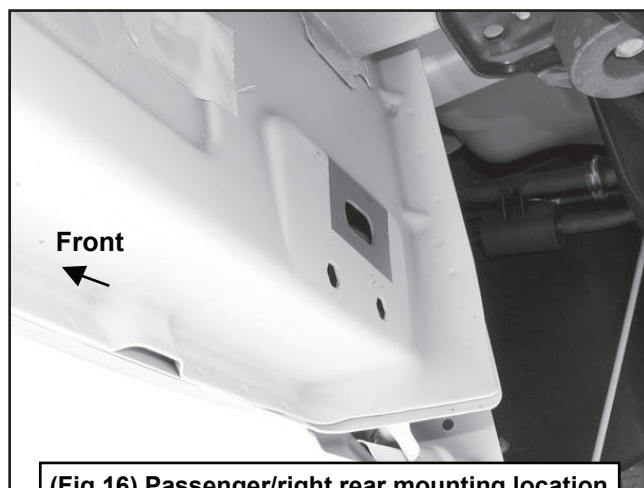


(Fig 15) Center Bracket with cover installed

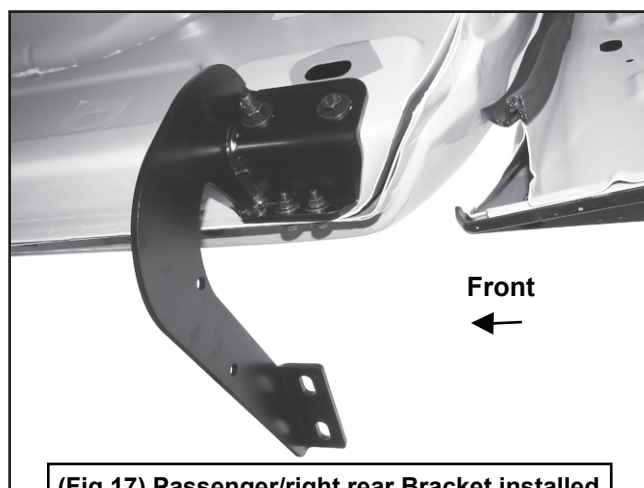
STEP 6

Move to the rear location (Fig 16). Repeat **STEP 5** to install the Rear Mounting Bracket (Figs 17-18). Leave hardware loose.

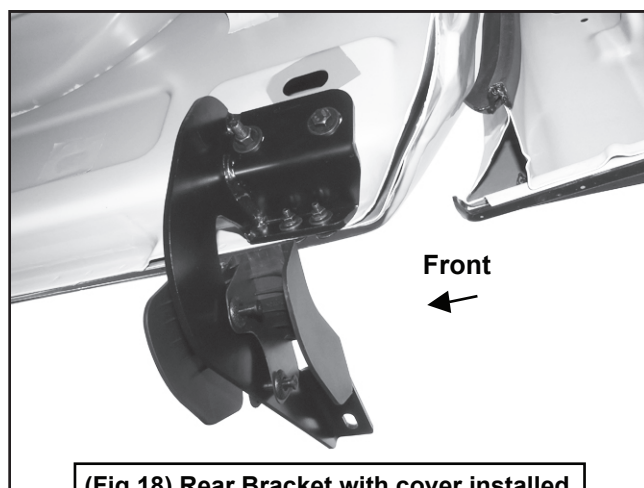
Passenger/Right Side Installation Pictured



(Fig 16) Passenger/right rear mounting location



(Fig 17) Passenger/right rear Bracket installed



(Fig 18) Rear Bracket with cover installed

STEP 7

DO NOT slide, (front to back or rotate), the Sidebar on

Select the Passenger/right Sidebar. Carefully position the Sidebar onto the (3) Mounting Brackets.

IMPORTANT:

the Brackets or damage to the finish on the Sidebar may result. Attach the Sidebar to the (3) Brackets with (6) 8mm Combination Hex Bolts (Figs 19-20). DO NOT fully tighten at this time.

STEP 8

Properly level and adjust the Sidebar and fully tighten all hardware.

2009-12 models requiring drilling through pinch trim:

a. Level the Sidebar to the vehicle. Make sure all (3) Brackets are tight against the bottom of the body panel and tighten all mounting hardware.

b. Mark the location of the slots onto the pinch weld.

c. Drill (2) 1/4" holes through the pinch weld for each Bracket.

IMPORTANT: DO NOT drill too close to the bottom edge of the pinch weld. Drill the holes in the center of the marked slots.

d. Repeat **STEP 3** to attach the Brackets to the drilled holes in the pinch weld. Check for level then fully tighten all hardware.

STEP 9

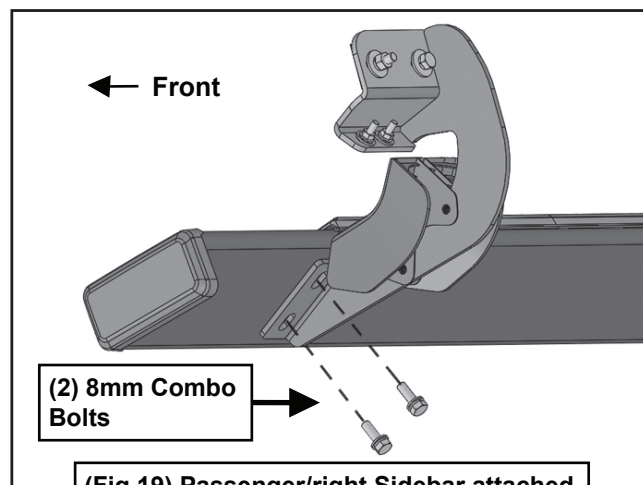
Repeat **STEPS 1-8** for Driver/Left Sidebar installation.

NOTE: Refer to the illustration on **PAGE 1** to identify the correct Mounting Brackets for each of the remaining locations.

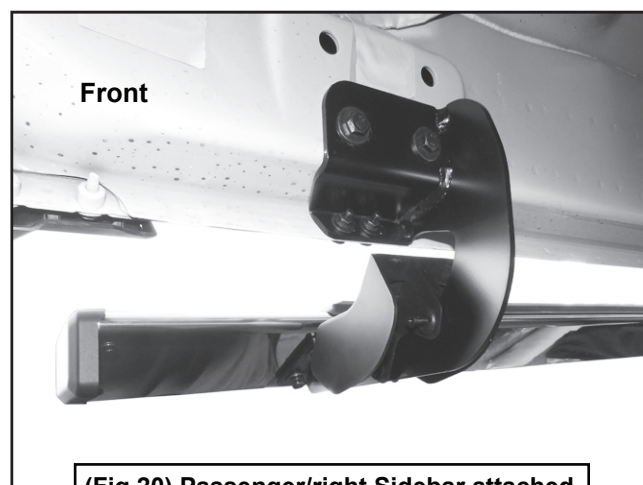
STEP 10

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

Passenger/Right Side Installation Pictured



(Fig 19) Passenger/right Sidebar attached to Front Bracket illustrated



(Fig 20) Passenger/right Sidebar attached to PS Front Bracket