



TYGER ROOF RACK

TG-RR1T33028

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

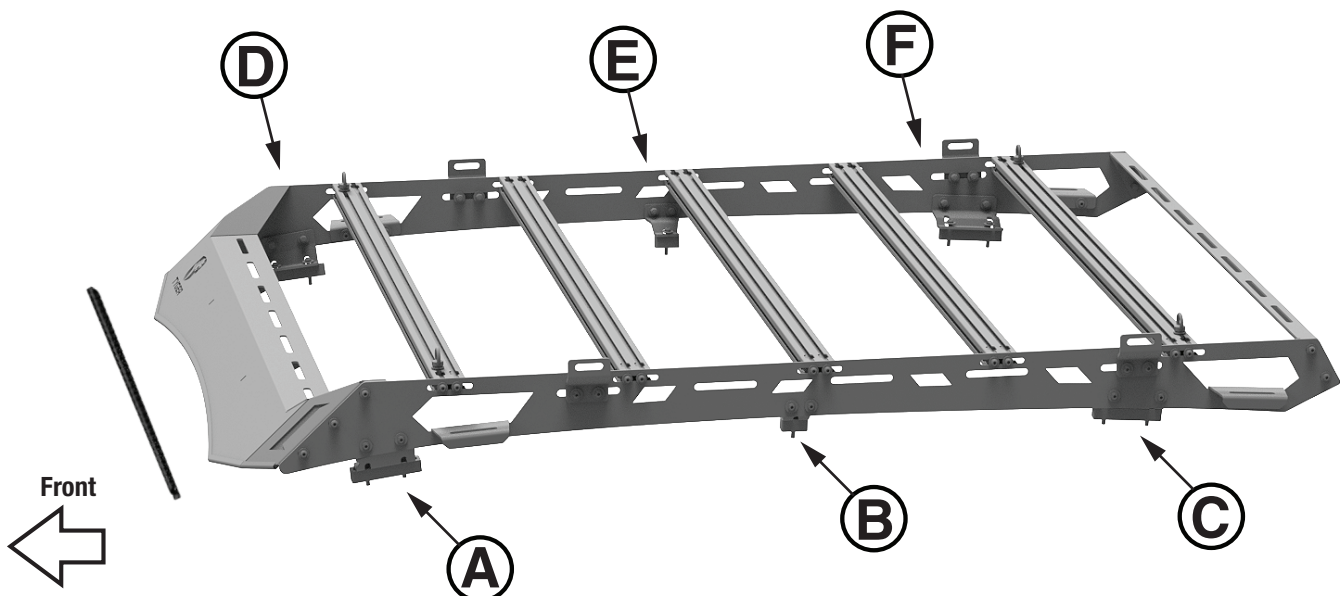
TORQUE VALUES

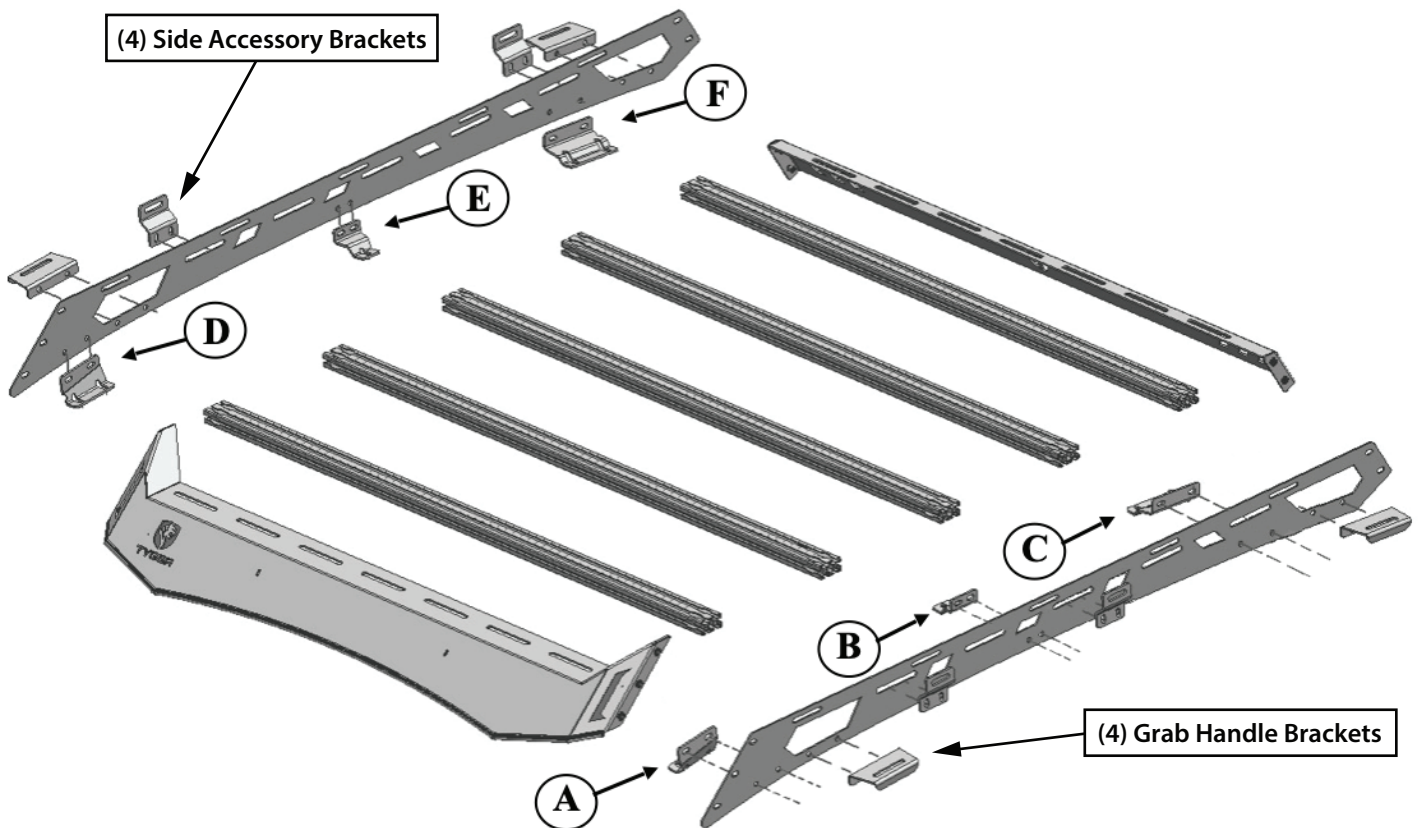
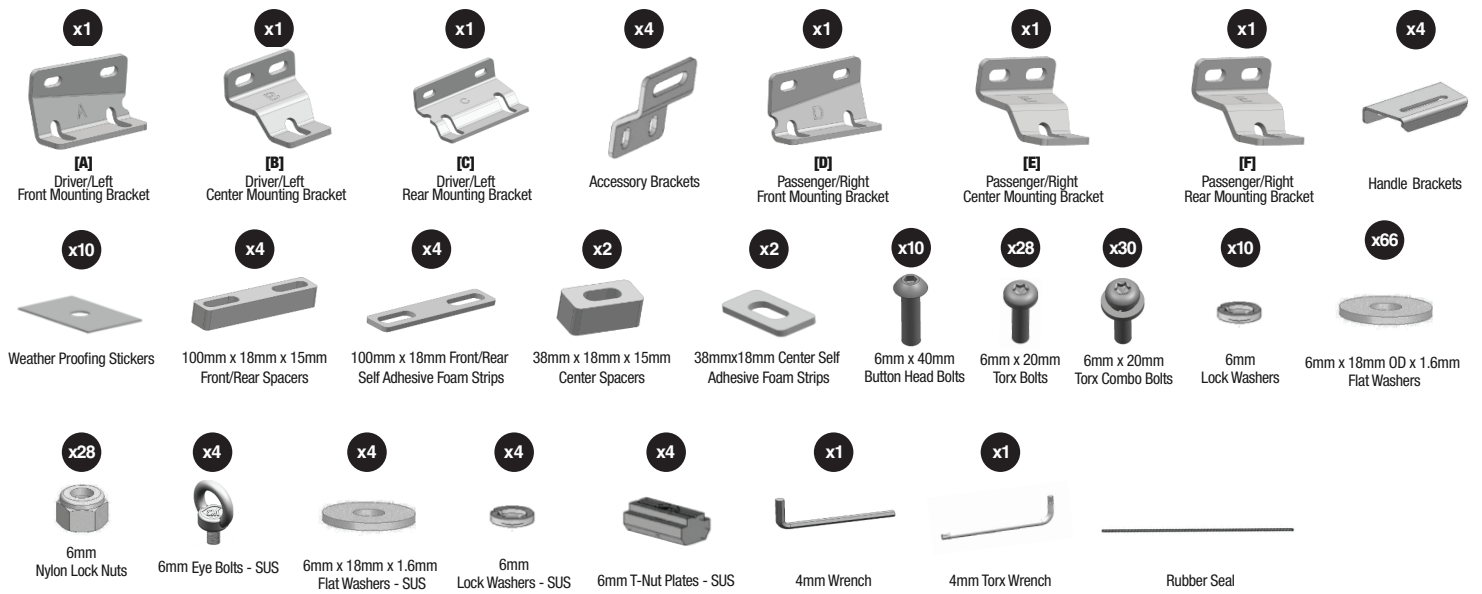
Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126

x2 Side Plates	x4 Handle Brackets	x30 6mm x 20mm Torx Combo Bolts
x5 Aluminum Crossbars	x4 Accessory Brackets	x10 6mm Lock Washers
x1 Front Cross Plate	x1 Rubber Seal	x66 6mm x 18mm OD x 1.6mm Flat Washers
x1 Rear Cross Plate	x10 Weather Proofing Stickers	x28 6mm Nylon Lock Nuts
x1 Driver/Left Front Mounting Bracket [A]	x4 100mm x 18mm x 15mm Front/Rear Spacers	x4 6mm Eye Bolts - Stainless Steel (SUS)
x1 Driver/Left Center Mounting Bracket [B]	x2 38mm x 18mm x 15mm Center Spacers	x4 6mm x 18mm x 1.6mm Flat Washers - Stainless Steel (SUS)
x1 Driver/Left Rear Mounting Bracket [C]	x4 100mm x 18mm Front/Rear Self Adhesive Foam Strips	x4 6mm Lock Washers - Stainless Steel (SUS)
x1 Passenger/Right Front Mounting Bracket [D]	x2 38mm x 18mm Center Self Adhesive Foam Strips	x4 6mm T-Nut Plates - Stainless Steel (SUS)
x1 Passenger/Right Center Mounting Bracket [E]	x10 6mm x 40mm Button Head Bolts	x1 4mm Hex Wrench
x1 Passenger/Right Rear Mounting Bracket [F]	x28 6mm x 20mm Torx Bolts	x1 Torx Wrench

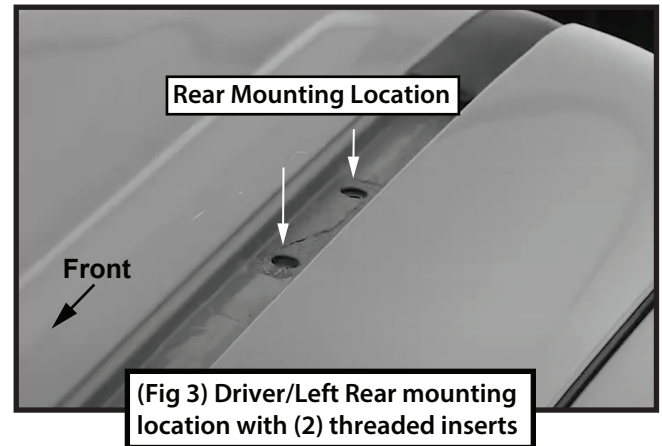
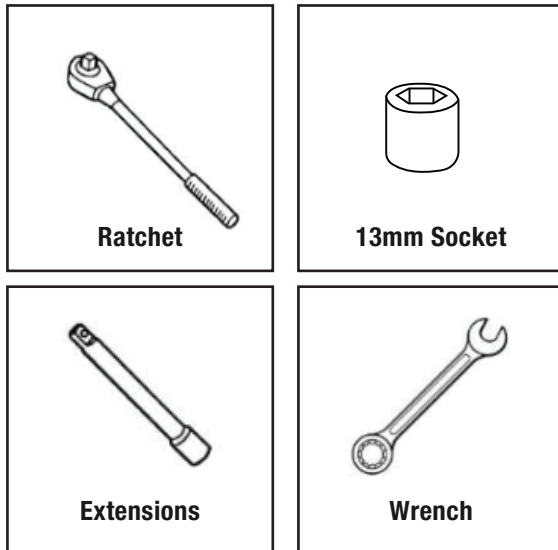
Parts List

Locations A, B, C, D, E and F are attached to the existing threaded holes on vehicle





TOOLS REQUIRED

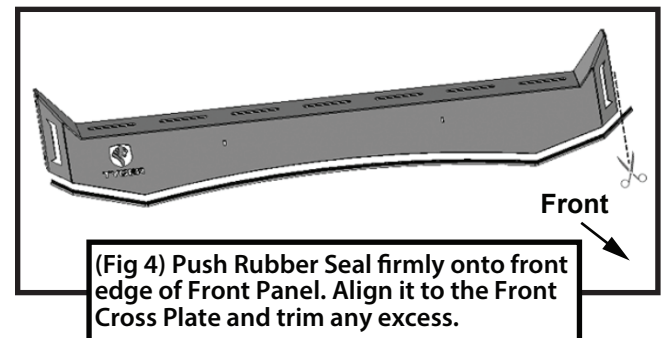


STEP 2 RACK FRAME ASSEMBLY

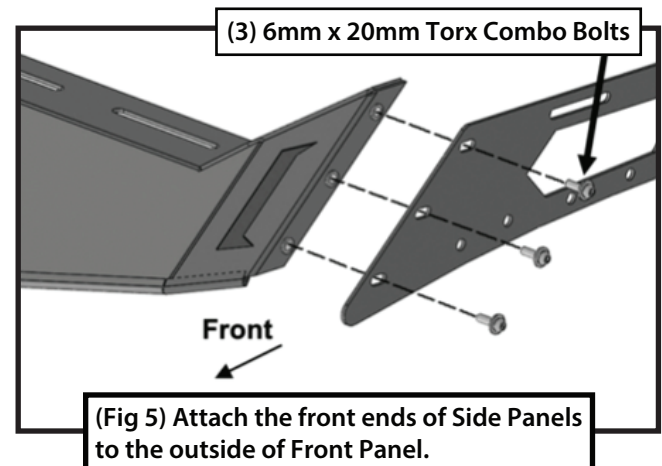
Follow (Fig 4-6) to install the Rack Frame.

Hardware Bag for Frame and Aluminum Bars is needed.
DO NOT fully tighten hardware.

Paintable Inserts: If you plan on painting the accent color plates, jump to **STEP 10** and continue.



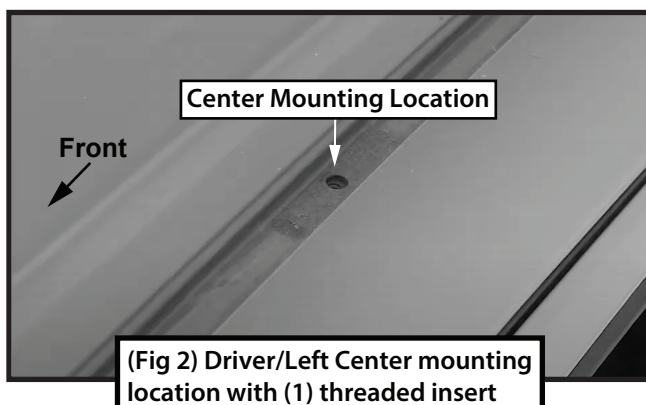
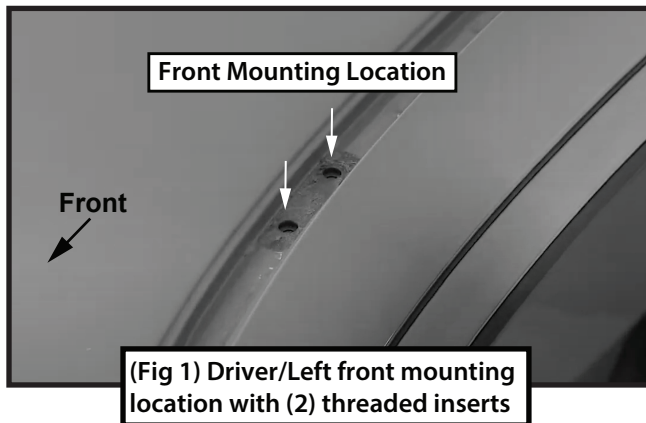
IMPORTANT: Rubber Seal must be installed before rack assembly placed on the vehicle. And ensure insert is tightly screwed with no gap against wind fairing.

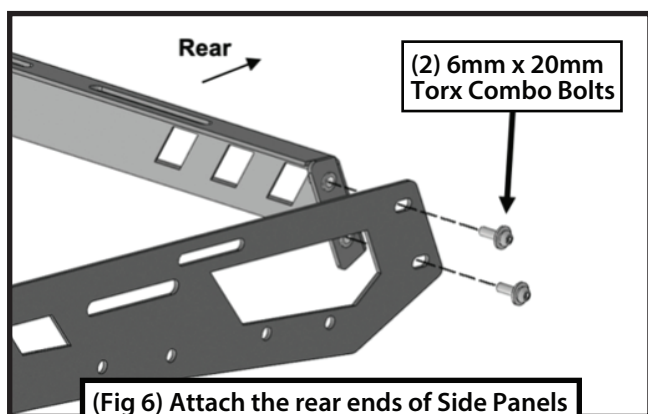


STEP 1 REMOVE FACTORY ROOF RUBBER TRIM

Follow (Fig 1-3) to remove the rubber trim in the rain gutter on the Driver/Left side top of the vehicle to locate the (5) threaded inserts. Repeat the step to the Passenger/Right side.

It is not necessary to remove the entire trim. Use the mounting brackets to mark the gaps on the seal needed to be trimmed off.





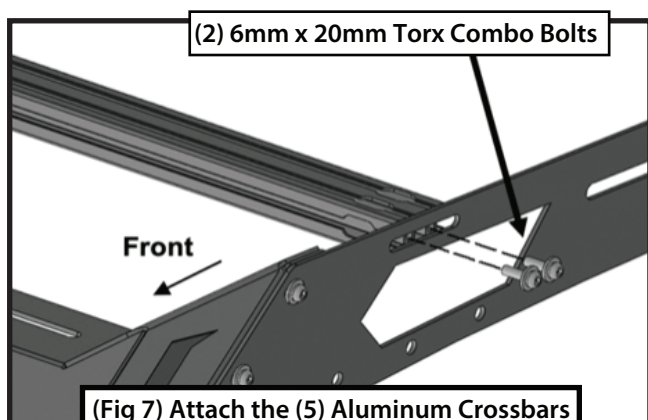
(Fig 6) Attach the rear ends of Side Panels to the outside of the Rear Panel

IMPORTANT: Follow the torque specs on **PAGE 1** to properly install the hardware to prevent looseness and vibration. All 6mm hardware should be torqued to approximately **7ft-lb**.

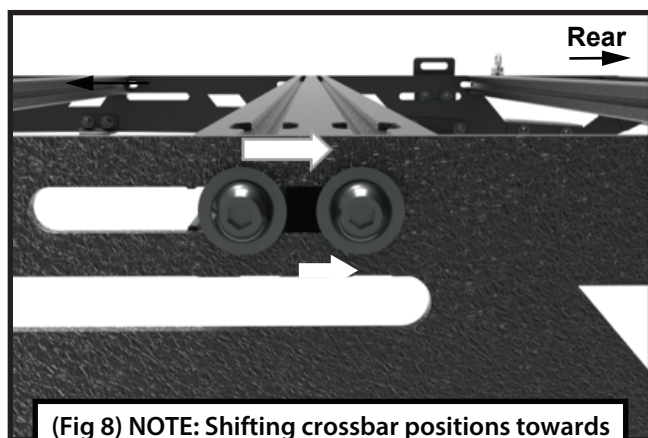
STEP 3 INSTALLING CROSSBARS

Follow (Fig 7-8) to install the Crossbars.

 **Hardware Bag for Frame and Aluminum Bars is needed.**




(Fig 7) Attach the (5) Aluminum Crossbars to the two Side Plates

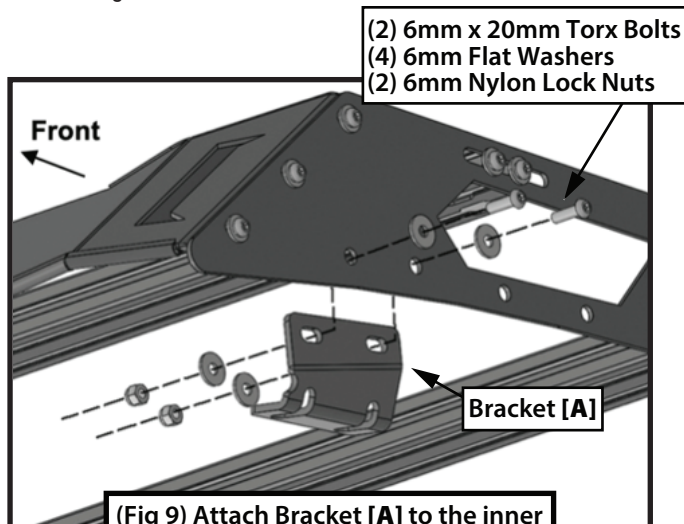


(Fig 8) NOTE: Shifting crossbar positions towards the rear end of the bolt slots may reduce noises.

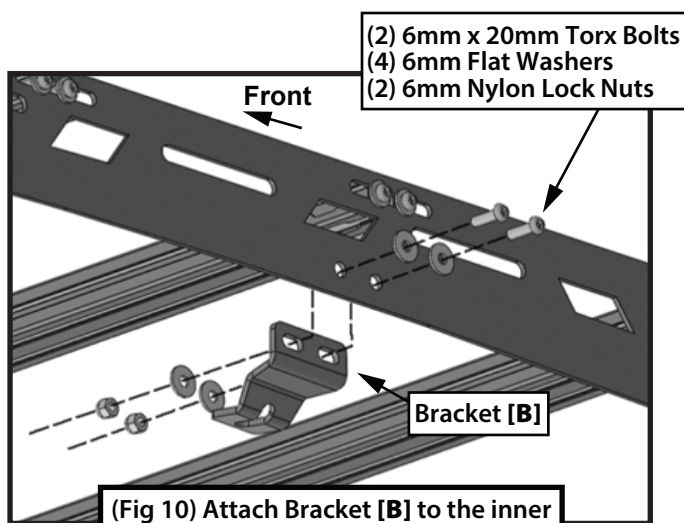
STEP 4 ATTACHING MOUNTING BRACKETS

Follow (Fig 9-11) to install Driver/Left Mounting Brackets.

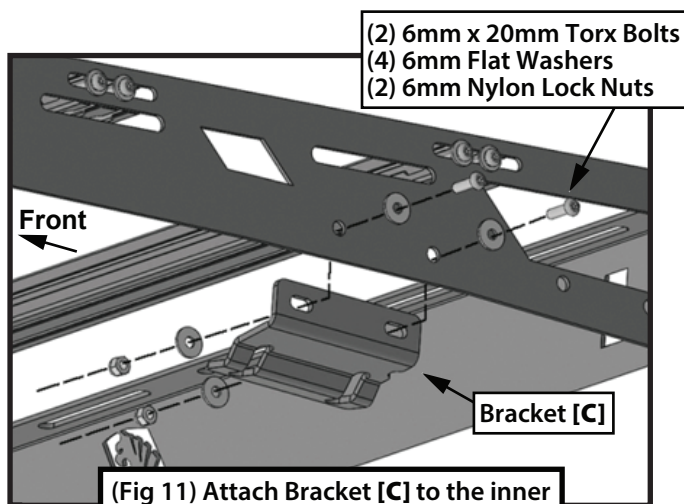
 **Hardware Bag for Vehicle Installation is needed.**
DO NOT tighten hardware.



(Fig 9) Attach Bracket [A] to the inner face of Location A on the Side Plate.



(Fig 10) Attach Bracket [B] to the inner face of Location B on the Side Plate.



(Fig 11) Attach Bracket [C] to the inner face of Location C on the Side Plate.

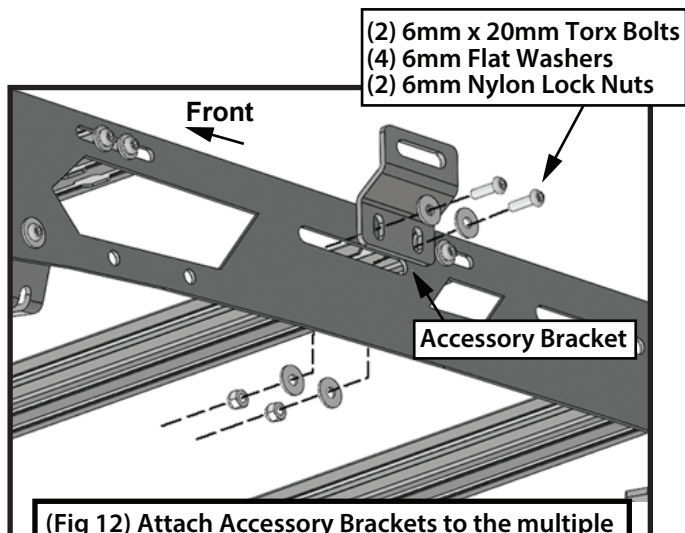
•Repeat above STEPS to attach Passenger/Right Mounting Brackets (D), (E), (F).

STEP 5

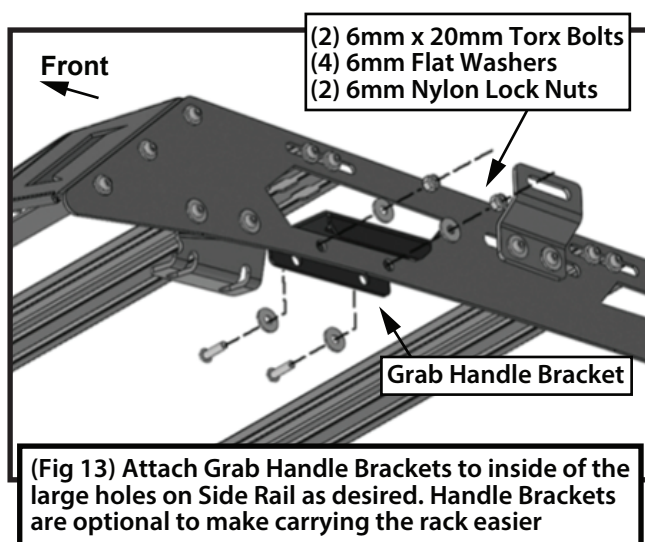
OTHER ACCESSORIES (OPTIONAL)

(4) Accessory Brackets and (4) Grab Handle Brackets installations are optional. If needed, follow (Fig 12 -13).

 **Hardware Bag for Handle and Side Accessory brackets is needed.**



(Fig 12) Attach Accessory Brackets to the multiple long narrow slots outside of side panel as desired.



(Fig 13) Attach Grab Handle Brackets to inside of the large holes on Side Rail as desired. Handle Brackets are optional to make carrying the rack easier

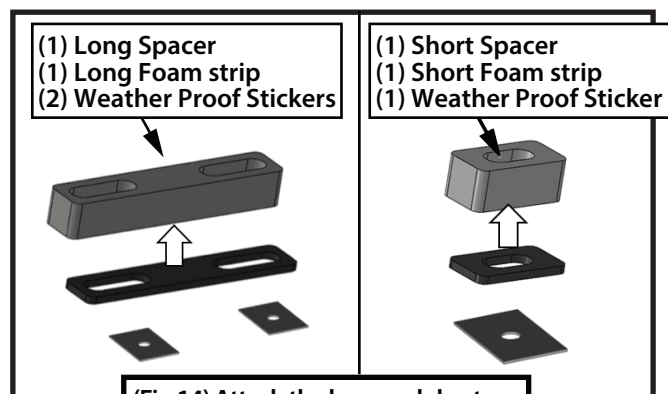
STEP 6

INSTALL ROOF RACK

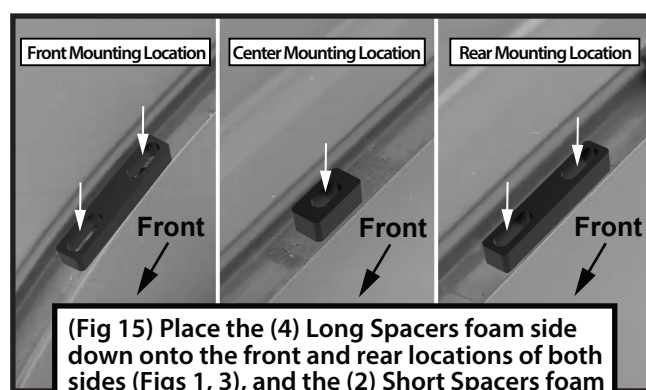
Follow (Fig 14-16) to install the rack to the vehicle roof mounting locations.

 **Hardware Bag for Vehicle Installation is needed. DO NOT tighten hardware.**

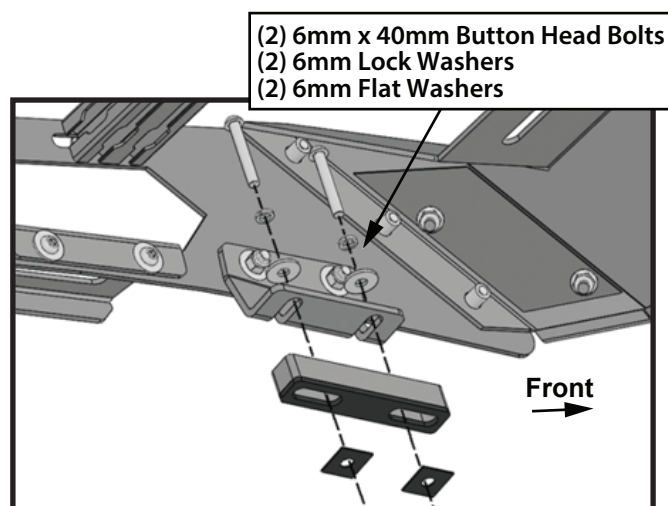
Locate the (10) threaded inserts in rain gutters of both sides (Fig 1-3). Attach (1) Weather Proofing Sticker to each of the (1) threaded hole.



(Fig 14) Attach the long and short foam strips to long and short spacers



(Fig 15) Place the (4) Long Spacers foam side down onto the front and rear locations of both sides (Figs 1, 3), and the (2) Short Spacers foam side down onto both center locations (Fig 2)

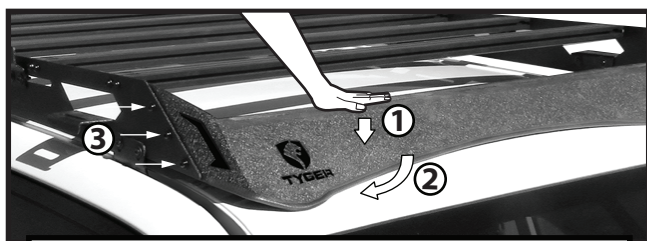


(Fig 16) Lift the Roof Rack assembly onto the (6) Spacers. Attach the Roof Rack and Spacers to the (10) threaded holes accordingly. DO NOT tighten Hardware.

STEP 7

ADJUSTING THE RACK

Level and adjust the Roof Rack so it sits straight and is aligned squarely with vehicle roof. Tighten all Hardware **EXCEPT FRONT CROSS PLATE**. Then follow Fig (17).



(Fig 17) While ① Keeping pressure on the Front Cross Plate against the vehicle roof and ② Pushing it down and inward against vehicle roof so the Rubber Seal is compressed against the roof, ③ Tighten Front Cross Plate hardware.

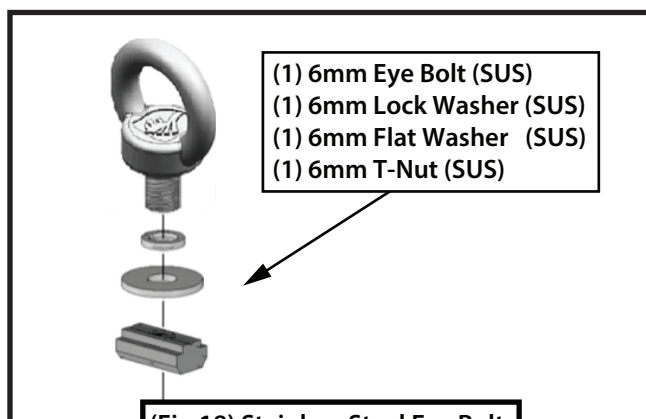
IMPORTANT:

1. Follow the Torque spec on **PAGE 1** to properly install the hardware to prevent looseness and vibration. All 6mm hardware should be torqued to approximately **7 ft-lbs**.

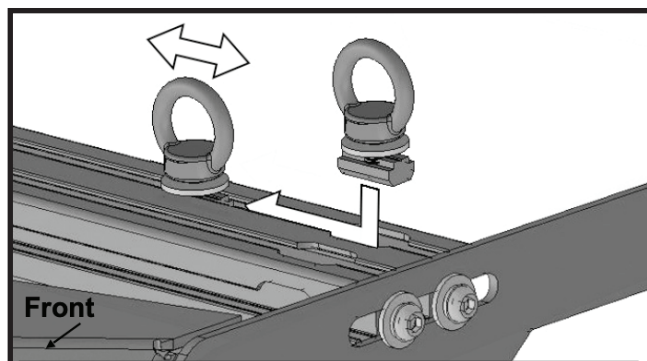
2. The Front Cross Plate with installed Rubber Seal must be in contact and pressed against the vehicle roof to mitigate wind noise and vibration during vehicle operation.

STEP 8 EYE BOLTS (OPTIONAL)

4 Eye Bolt sets are included and installation is optional. If needed, follow (fig 18 – 19).



(Fig 18) Stainless Steel Eye Bolt assembly. Leave Eye Bolt loose.



(Fig 19) Insert T-Nut on Eye Bolt assembly into the channels via the ends of each Crossbar. Slide the assembly into desired location and fully tighten Eye Bolt clockwise to lock in position. Channels are included on each side of the crossbars.

STEP 9 ⚠ CHECK ALIGNMENT

Check the alignment of the Rack to the vehicle and adjust as necessary and fully tighten all hardware.

ATTENTION: After traveling initial **50-100 miles** with the rack installed, go back to examine the fit and each attachment points of the rack. Readjust and refasten the hardware as needed according to the torque spec.

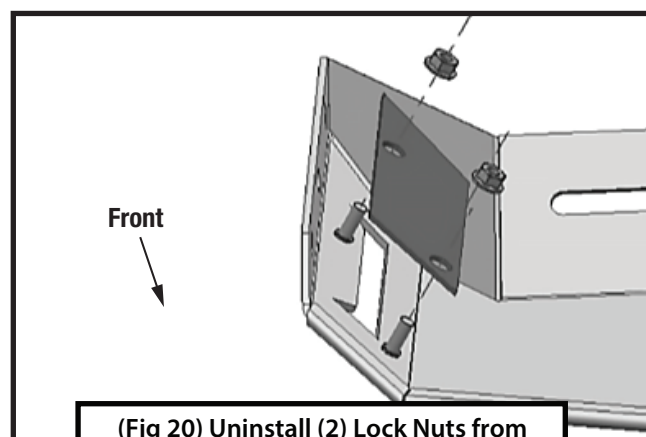
STEP 10 PAINTABLE INSERTS

(2) Corner Accent Plates and (1) Tyger Logo Background Plate are double-sided in black and red. To flip them or re-paint them to match your vehicle, follow (Fig 20-21) to remove and reattach.

For painting, use automotive paint and paint adhesive for best result.

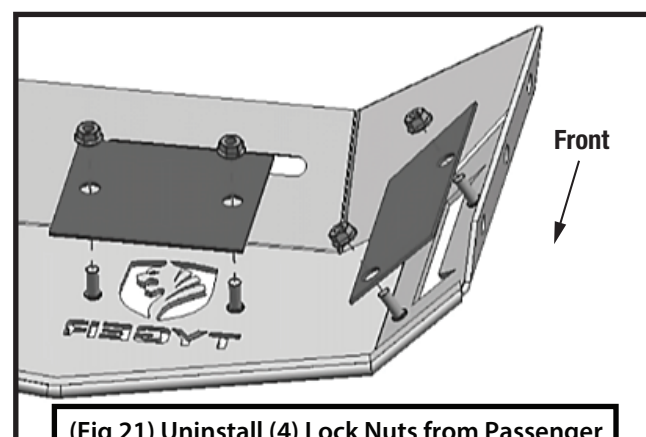
Do periodic inspections to the installation to make sure that all hardware is secured and tight.

Driver/Left Side Installation Pictured



(Fig 20) Uninstall (2) Lock Nuts from Driver Side Corner Plate.

Passenger/Right Side Installation Pictured



(Fig 21) Uninstall (4) Lock Nuts from Passenger Side Corner Plate and Logo Background Plate.