



TYGER ROOF RACK

TG-RR1F33778

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

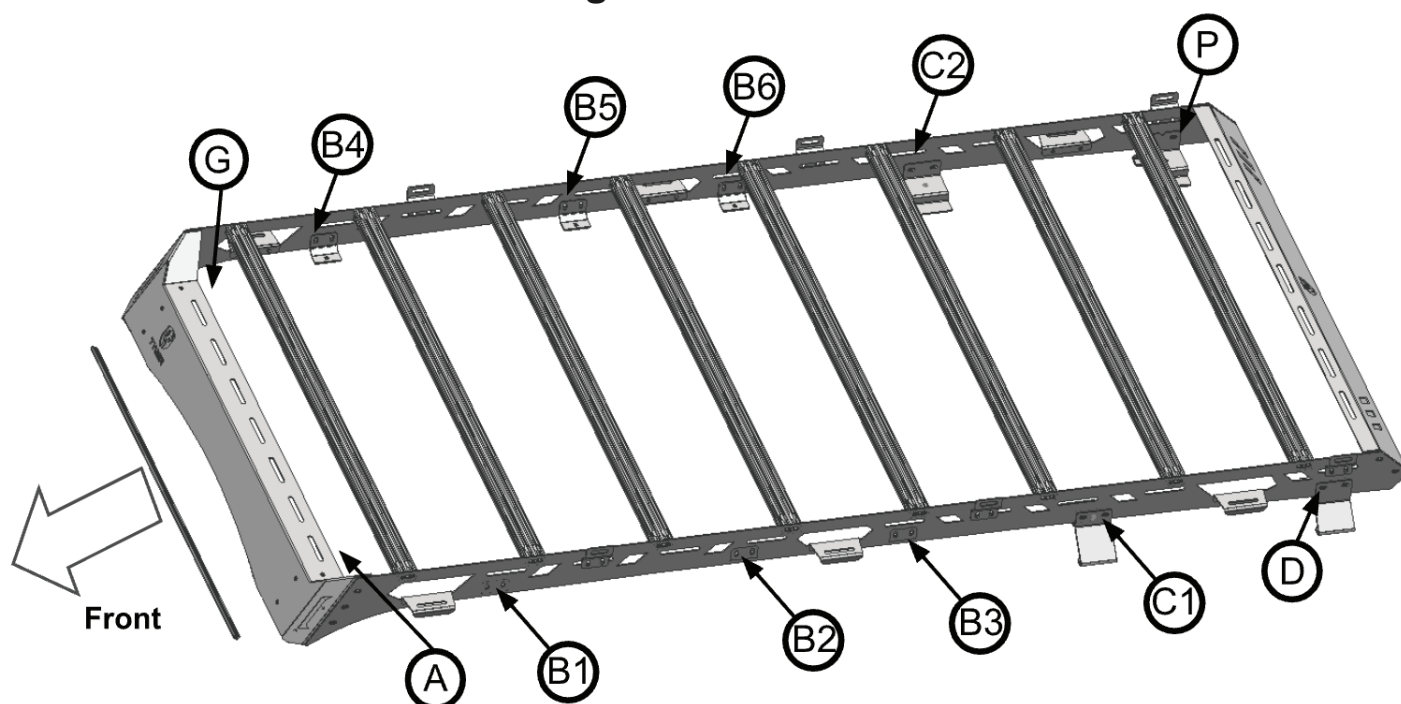
TORQUE VALUES

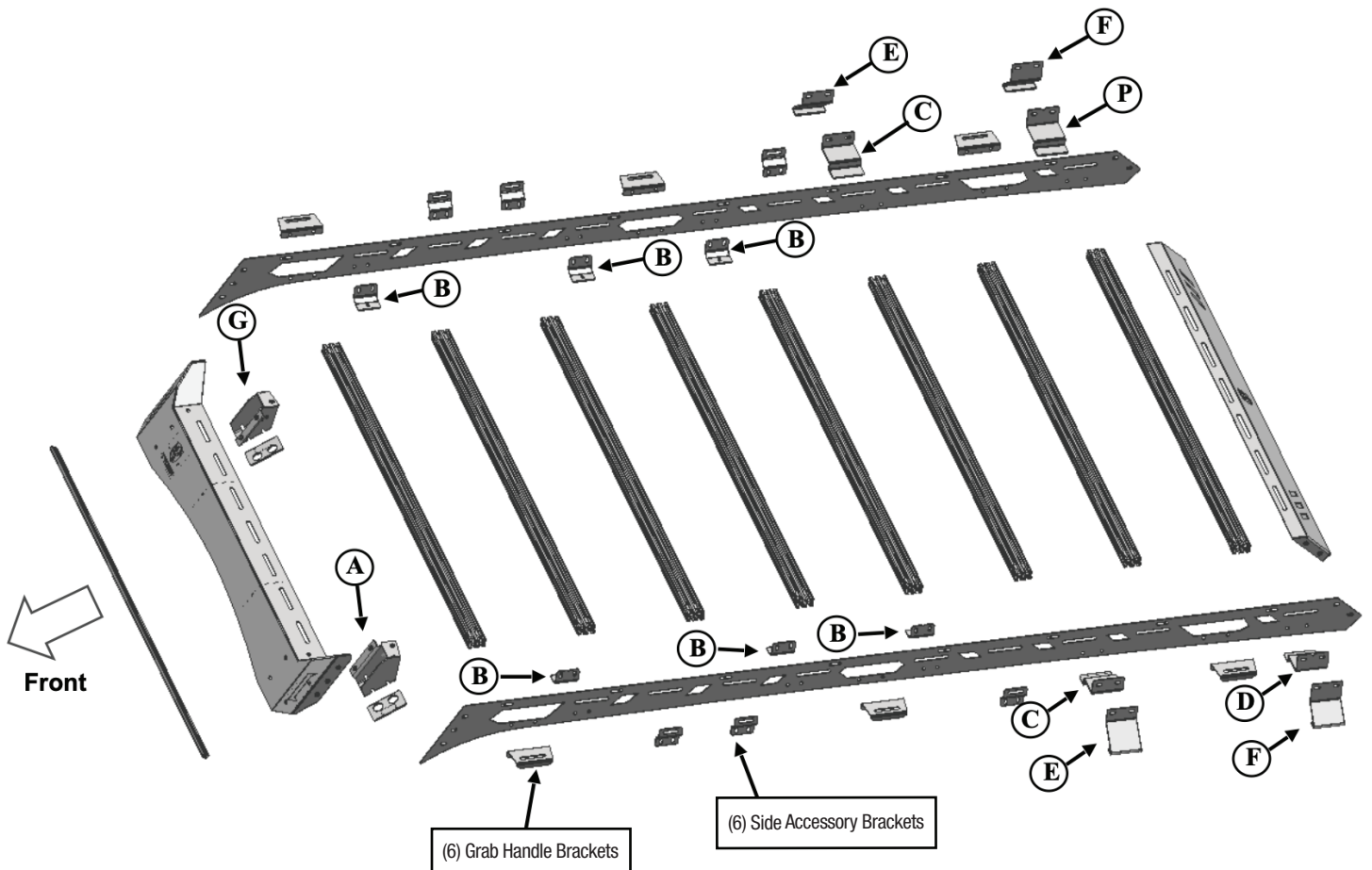
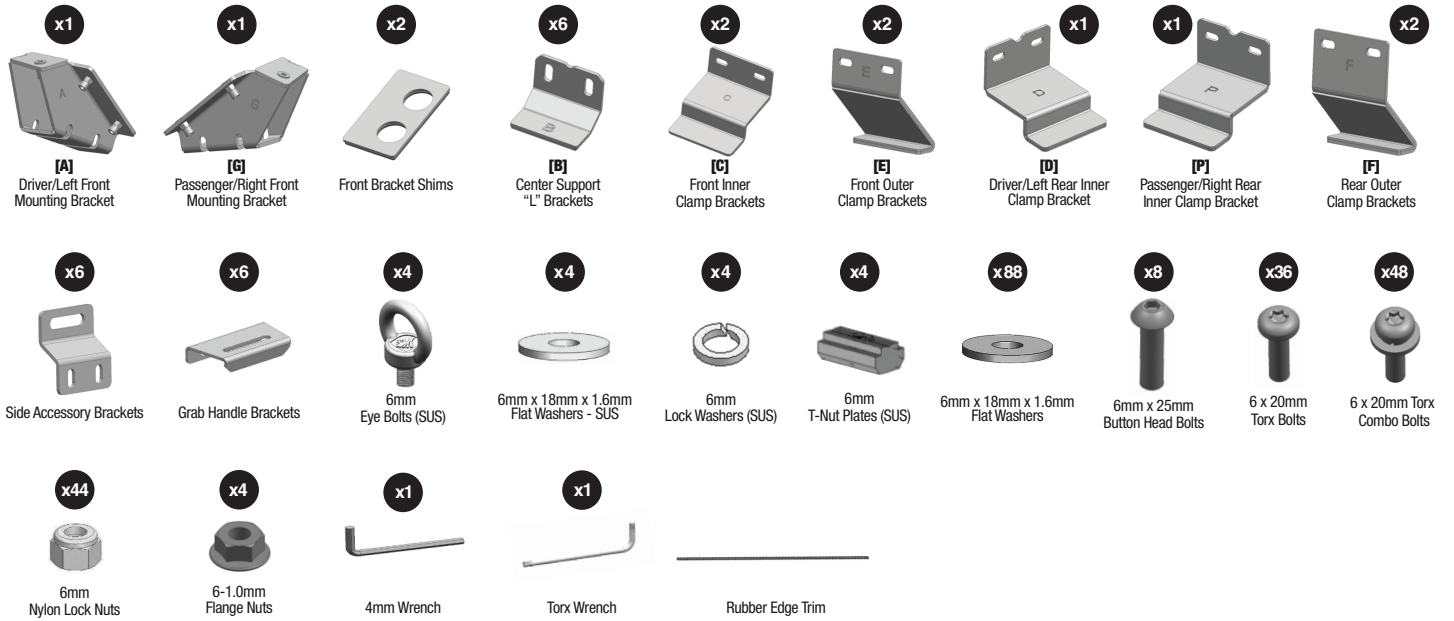
Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126

- | | | |
|---|---|--|
| x1 Front Wind Deflector | x6 Grab Handles | x4 6mm Lock Washers - SUS |
| x1 Rubber Edge Trim for Deflector | x6 Accessory Brackets | x4 6mm T-Nut Plates - SUS |
| x2 Side Panels | x2 Front Outer Clamp Brackets [E] | x8 6mm x 25mm Button Head Bolts |
| x1 Rear Panel | x2 Front Inner Clamp Brackets [C] | x36 6mm x 20mm Torx Bolts |
| x8 Rack Cross Bars | x2 Rear Outer Clamp Brackets [F] | x48 6-1.0 x 20mm Torx Combo Bolts |
| x1 Driver/Left Front Mounting Bracket [A] | x1 Driver/Left Rear Inner Clamp Bracket [D] | x88 6mm x 18mm x 1.6mm Flat Washers |
| x1 Passenger/Right Front Mounting Bracket [G] | x1 Passenger/Right Rear Inner Clamp Bracket [P] | x44 6mm Nylon Lock Nuts |
| x2 Front Bracket Shims | x4 6mm Eye Bolts - SUS | x4 6-1.0mm Flange Nuts |
| x6 Center Support "L" Brackets [B] | x4 6mm x 18mm x 1.6mm Flat Washers - SUS | x1 4mm Wrench |
| | | x1 Torx Wrench |

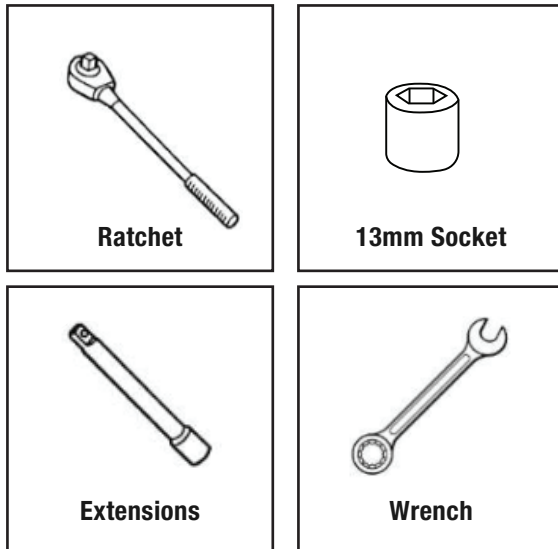
Parts List

Mounting Locations Overview





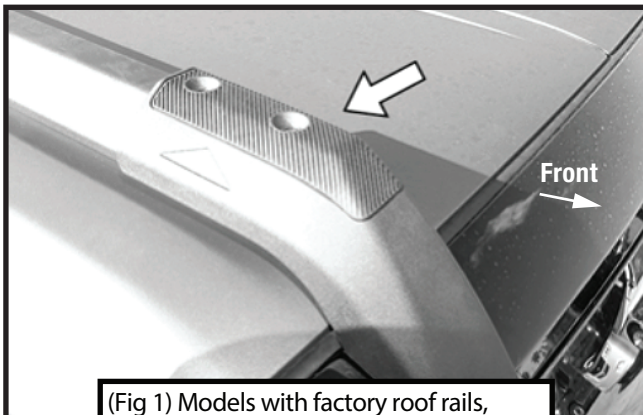
TOOLS REQUIRED



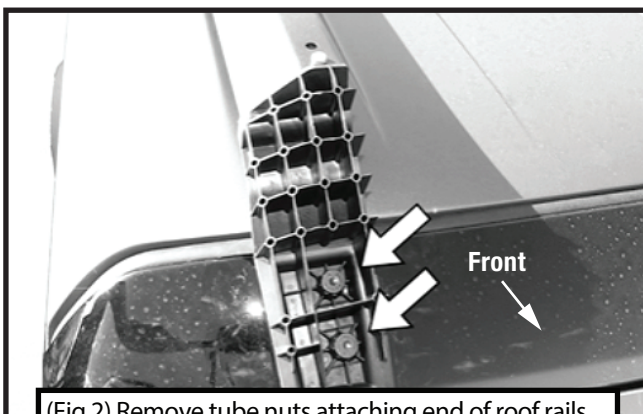
STEP 1 REMOVE FACTORY ROOF RAILS

Follow (Fig 1–4) to locate the Front mounting locations on vehicle. Determine if the vehicle is equipped with the factory add-on roof rails. And start from the Passenger/Right side.

Models with factory add-on roof rails:

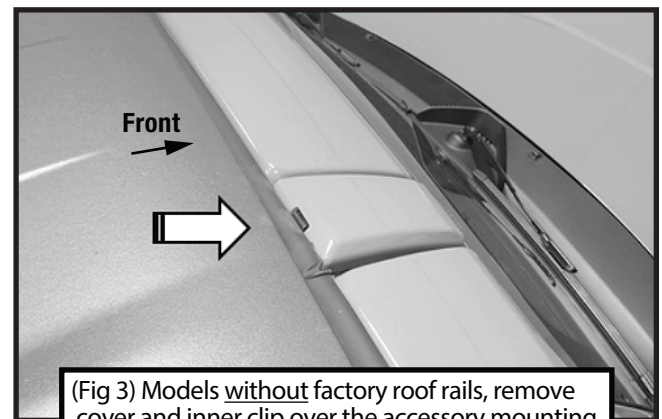


(Fig 1) Models with factory roof rails, remove cover to access mounting screws

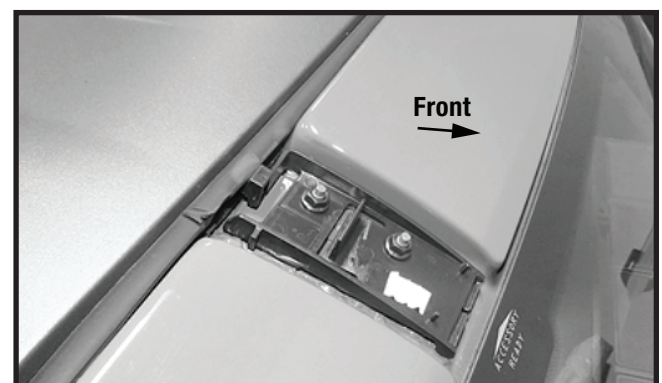


(Fig 2) Remove tube nuts attaching end of roof rails. Repeat to remove remaining roof rails hardware, and then remove entire roof rails

Models without roof rails:



(Fig 3) Models without factory roof rails, remove cover and inner clip over the accessory mounting location

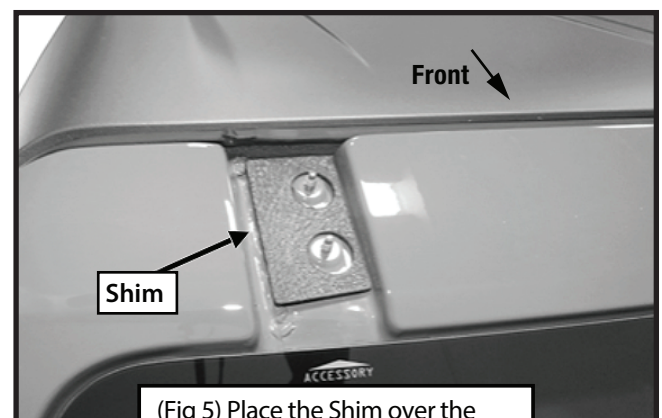


(Fig 4) Remove the inner bracket. Repeat steps to remove the cover and bracket on driver/left side, to reveal the factory studs. Remove hex nuts and plastic clip

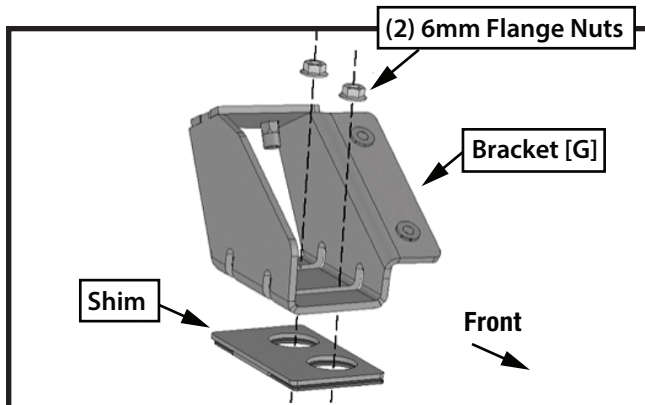
STEP 2 ATTACHING FRONT BRACKETS

Follow (Fig 5 – 7) to attach the Front Mounting Brackets **[A]** and **[G]** on vehicle.

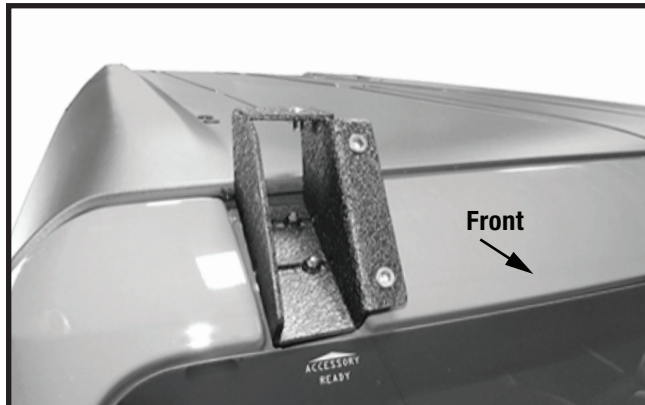
 **Hardware Bag for vehicle installation is needed.**



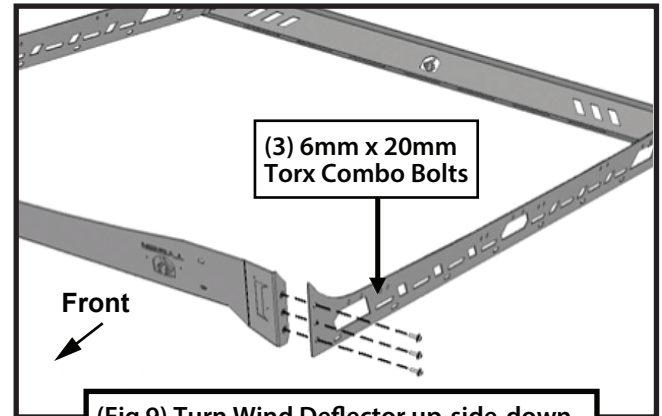
(Fig 5) Place the Shim over the Passenger/Right side factory studs



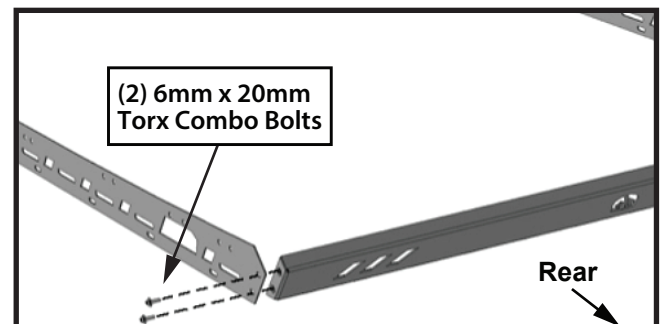
(Fig 6) Attach Passenger/Right Front Mounting Bracket [G] to Shim and threaded studs. Repeat this **STEP** to attach the Driver/Left Front Mounting Bracket [A]



(Fig 7) Passenger/Right Front Mounting Bracket [G] attached



(Fig 9) Turn Wind Deflector up-side-down. Attach front ends of the two Side Panels to outsides of Front Wind Deflector



(Fig 10) Attach Side Panels to outside of 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.



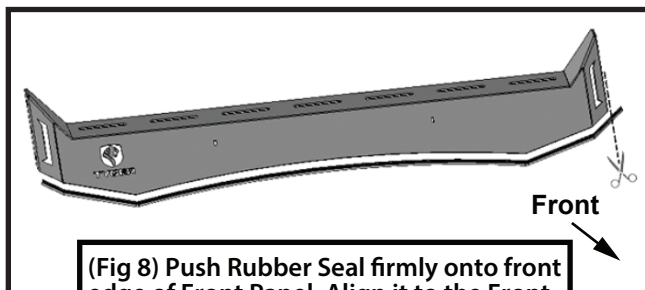
(Fig 11) Rack Frame Assembly

STEP 3 RACK FRAME ASSEMBLY

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

Follow (Fig 8 - 11) to install the Rack Frame. DO NOT fully tighten hardware yet.

Paintable Inserts: If you plan on painting the accent color plates, jump to **STEP 11** and continue.




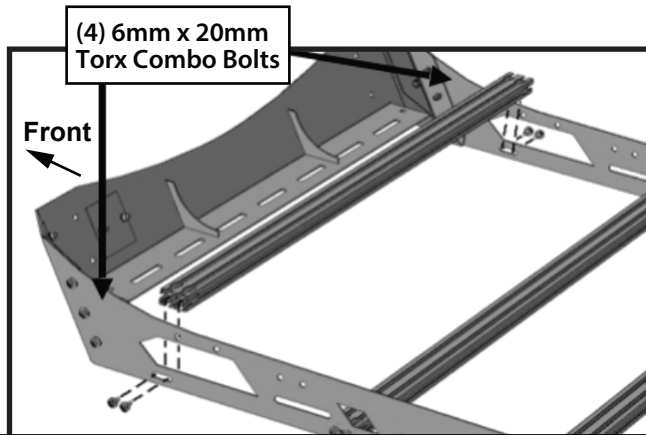
(Fig 8) Push Rubber Seal firmly onto front edge of Front Panel. Align it to the Front Cross Plate and trim any excess.

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.

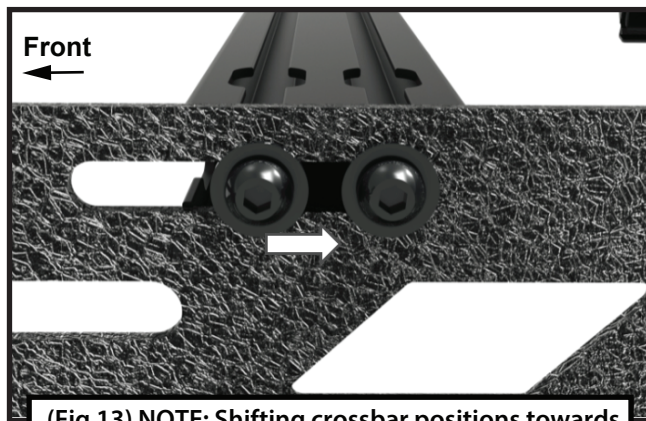
STEP 4 INSTALLING CROSSBARS

Follow (Fig 12-13) to install the (8) Crossbars.

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



(Fig 12) Attach the Crossbars to the slots in the Side Panels

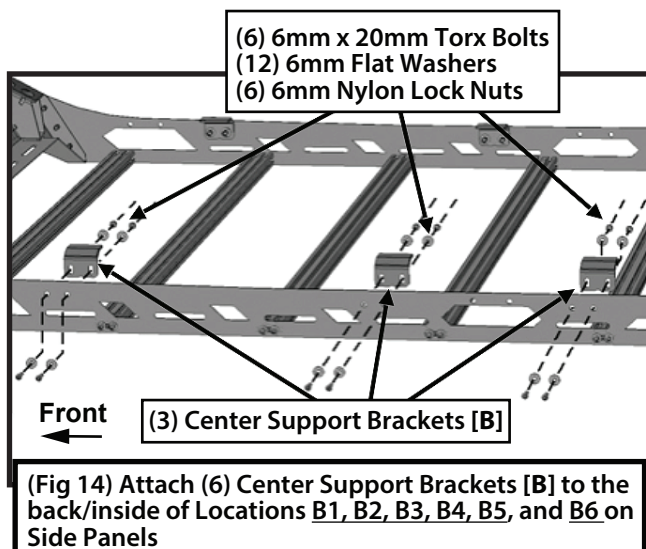


(Fig 13) NOTE: Shifting crossbar positions towards the rear end of the bolt slots may reduce noises

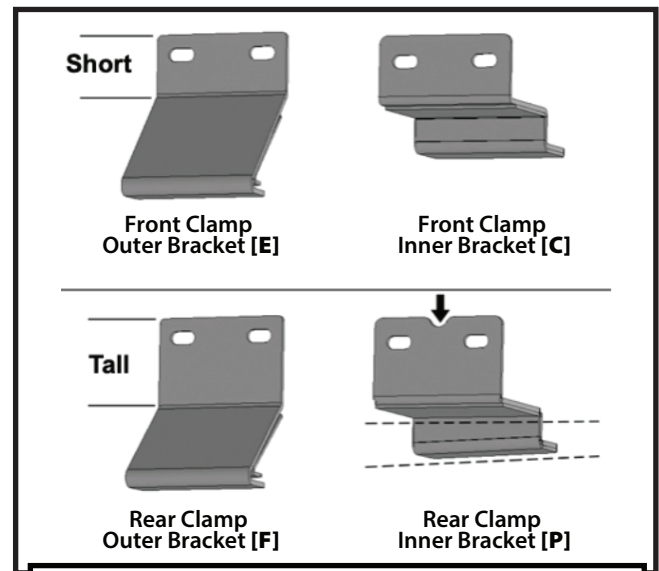
STEP 5 ATTACHING SIDE BRACKETS

Follow (Fig 14-18) to attach Brackets to the Side Panels. Snug but DO NOT fully tighten hardware.

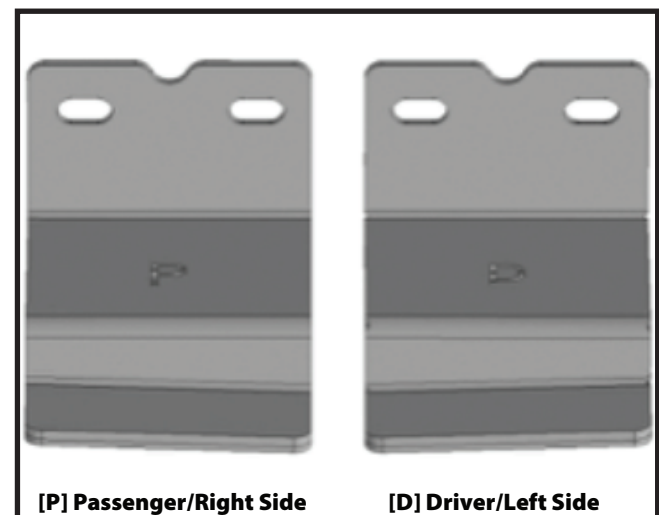
 **Hardware Bag for vehicle installation is needed.**



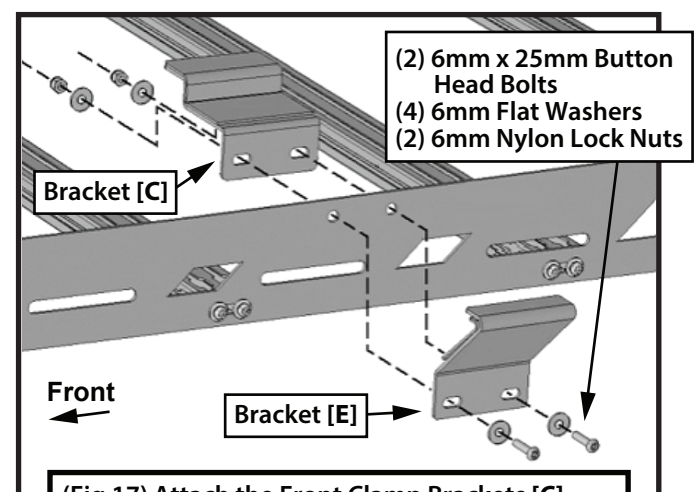
(Fig 14) Attach (6) Center Support Brackets [B] to the back/inside of Locations B1, B2, B3, B4, B5, and B6 on Side Panels



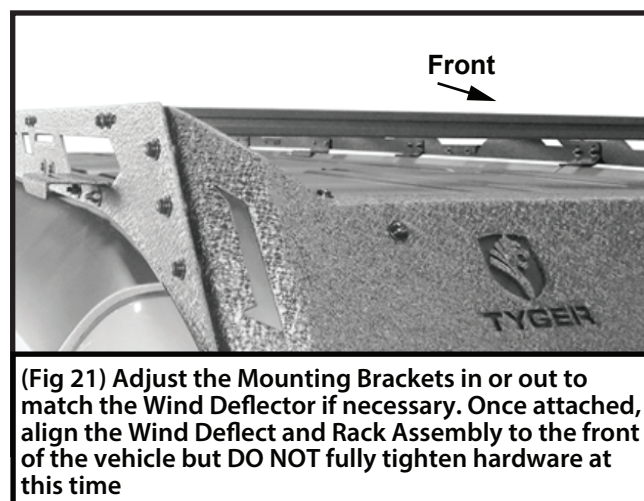
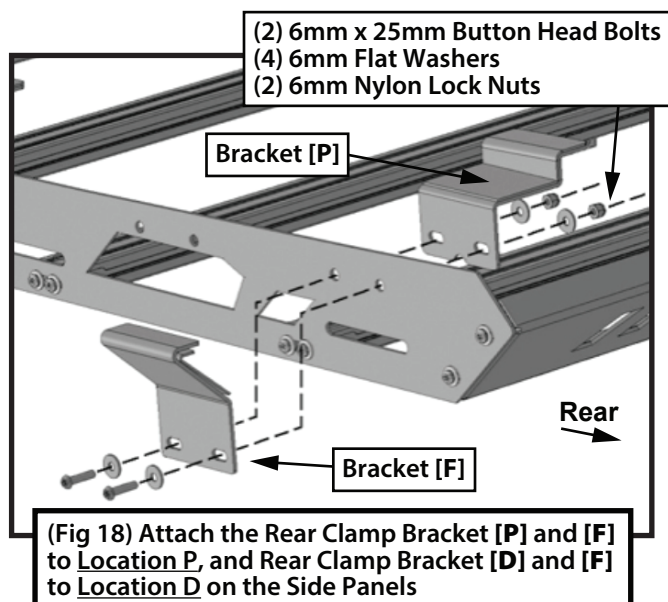
(Fig 15) Identify the Front and Rear Clamp Brackets. **VERY IMPORTANT:** The Rear Inner Clamp Brackets are angled to follow the curvature of the roof. And notches at top are also used to identify Rear Inner Brackets (arrow)



(Fig 16) Separate and identify Rear Inner Clamp Brackets. Note notches at top used to identify Rear Inner Brackets (Arrow)



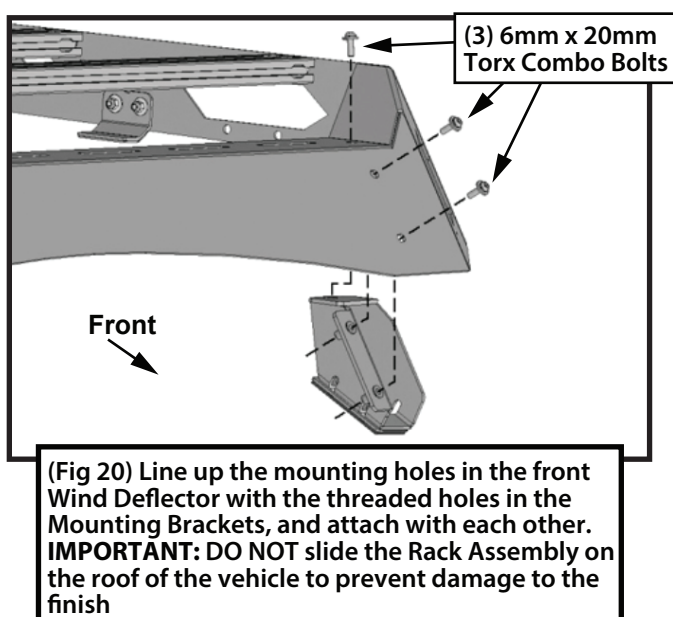
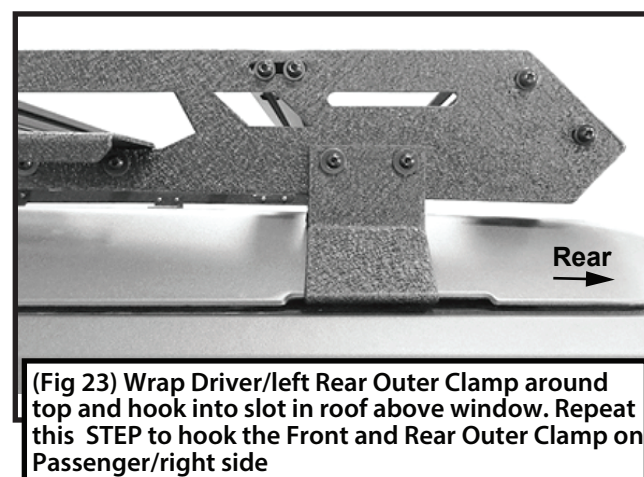
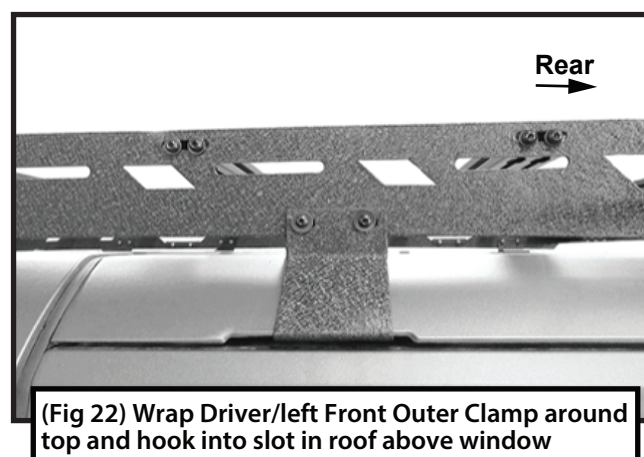
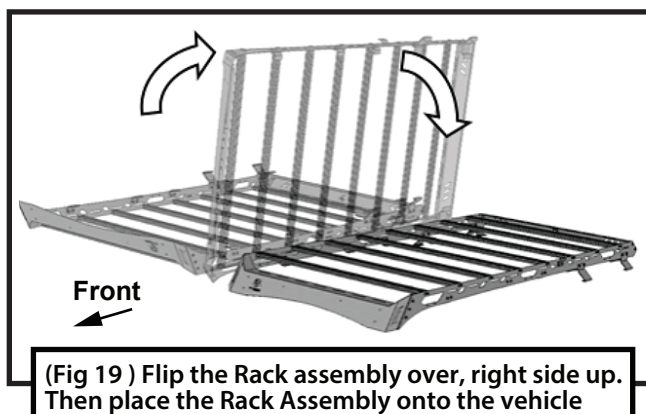
(Fig 17) Attach the Front Clamp Brackets [C] and [E] to Locations C1 and C2 on the Side Panel



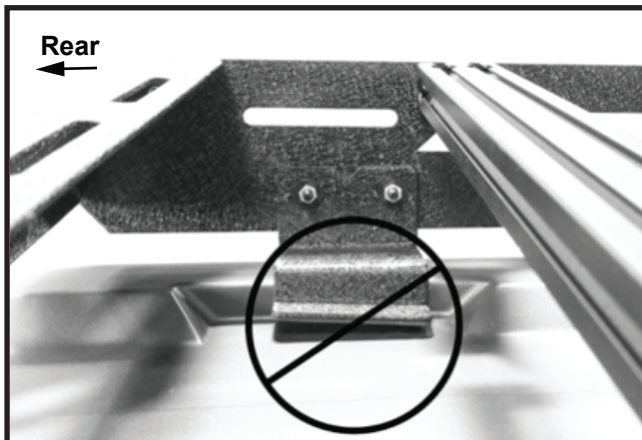
STEP 6 SECURING RACK TO ROOF

Follow (Fig 19-26) to secure the Rack Assembly to the roof mounting points.

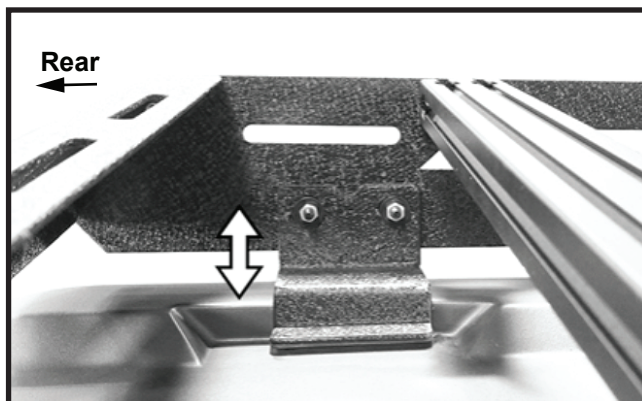
 **Hardware Bag for vehicle installation is needed.**



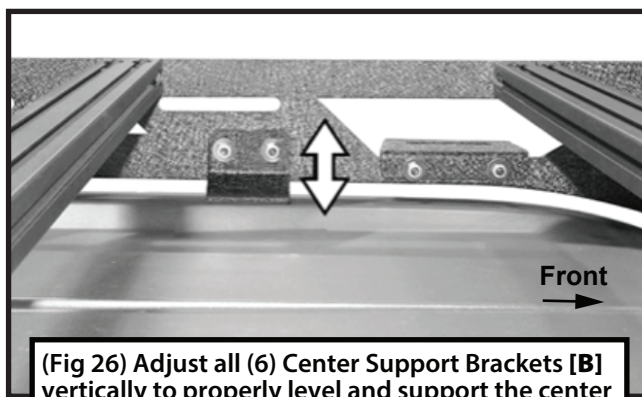
VERY IMPORTANT: Make sure that the Rear Inner Clamp Brackets are resting flat on the roof (Figs 24 & 25)



(Fig 24) **IMPORTANT:** Rear Inner Clamp Brackets are angled to match the curvature of the roof. If the Inner Brackets are not resting flat on the roof, remove the Rear Inner Brackets and swap the driver/left side with the passenger/right side



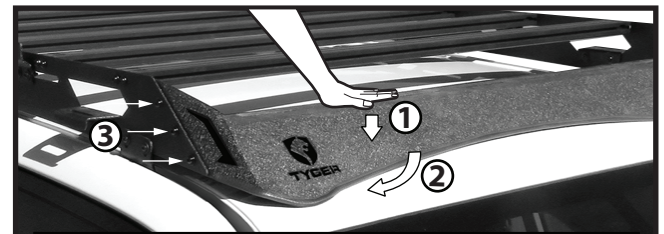
(Fig 25) Adjust all (4) Inner Clamp Brackets vertically to align Rack with roof to properly level and support the Rack assembly



(Fig 26) Adjust all (6) Center Support Brackets [B] vertically to properly level and support the center of the Rack assembly then fully tighten Support Bracket hardware only

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 THE FRONT CROSS PLATE**. Then follow (Fig 27) to adjust the fit.



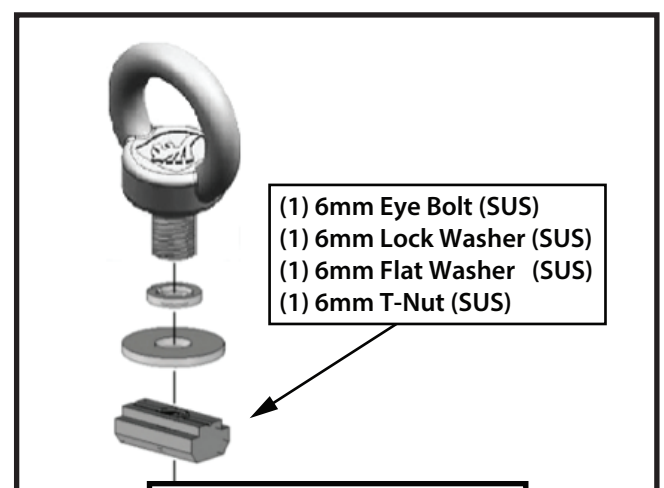
(Fig 27) While ① Keeping pressure on the Front Cross Plate against the vehicle roof and ② Pushing it down and inward against vehicle roof so the Rubber Seal is compressed against the roof, ③ Tighten Front Cross Plate hardware

IMPORTANT:

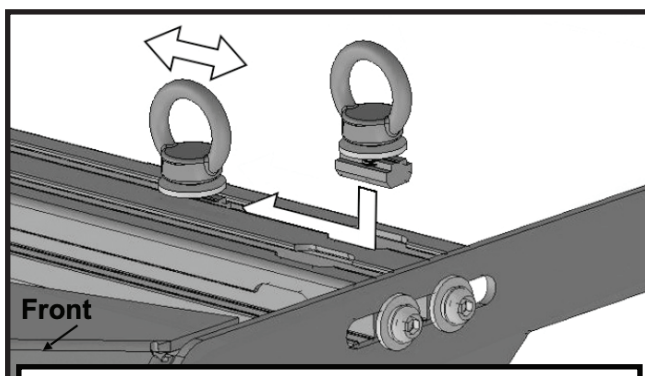
1. Follow the Torque spec on **Page 1** to properly install the hardware to prevent looseness and vibration. All 6mm hardware should be torqued to approximately **7 ft-lbs**.
2. The Front Cross Plate with installed Rubber Seal must be in contact and pressed against the vehicle roof to mitigate wind noise and vibration during vehicle operation.

STEP 8 EYE BOLTS (OPTIONAL)

4 Eye Bolt sets are included and installation is optional. If needed, follow (fig 28 – 29).



(Fig 28) Stainless Steel Eye Bolt assembly. Leave Eye Bolt loose




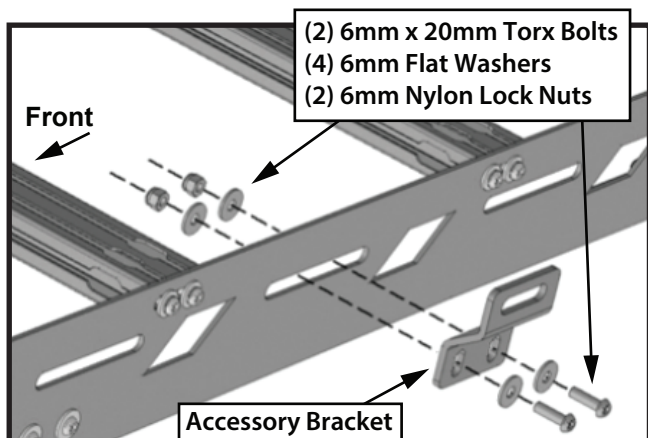
(Fig 29) Insert T-Nut on Eye Bolt assembly into the channels via the ends of each Crossbar. Slide the assembly into desired location and fully tighten Eye Bolt clockwise to lock in position. Channels are included on each side of the crossbars.

STEP 9

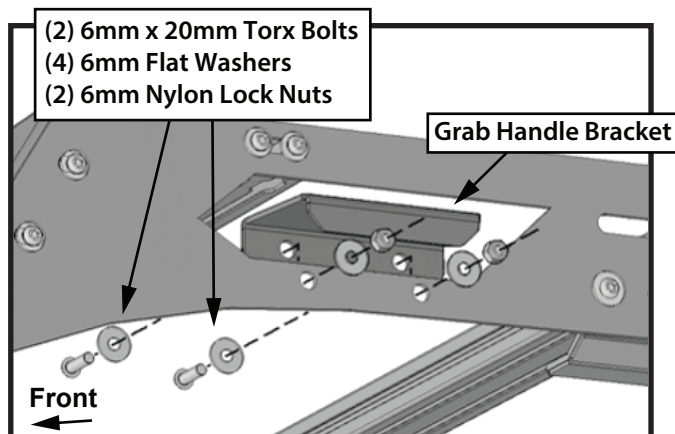
OTHER ACCESSORIES (OPTIONAL)

Side Accessory Brackets and Grab Handle Brackets installations are optional. If needed, follow (Fig 30 - 31).

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



(Fig 30) Attach (6) Accessory Brackets to the multiple long narrow slots outside of the Side Panels as desired



(Fig 31) Attach up to (6) Grab Handle Brackets to inside of the predetermined mounting locations on Side Rail as needed

STEP 10

⚠ 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 11

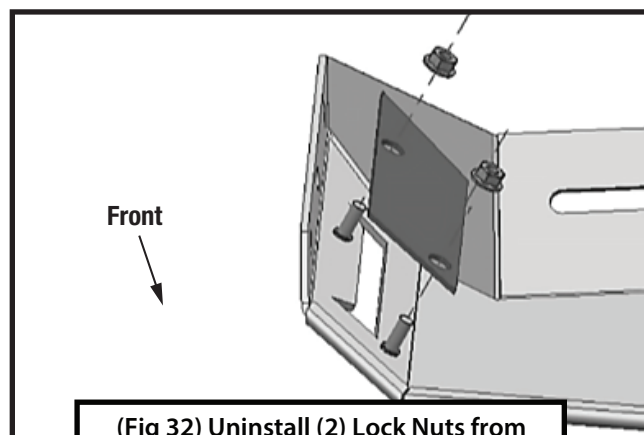
PAINTABLE INSERTS

(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 32-33) to remove and reattach.

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

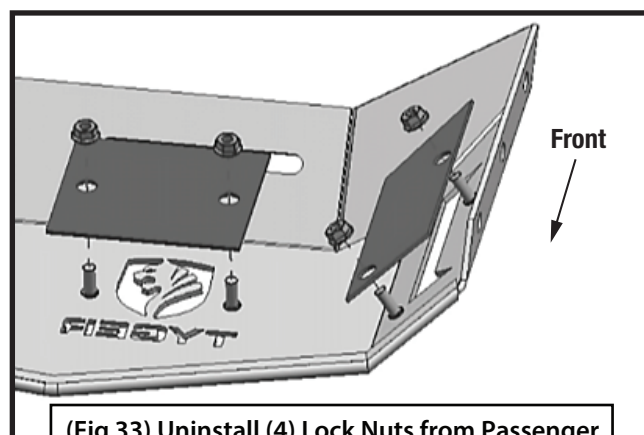
Do periodic inspections to the installation to make sure that all hardware is secured and tight.

Driver/Left Side Installation Pictured



(Fig 32) Uninstall (2) Lock Nuts from Driver Side Corner Plate.

Passenger/Right Side Installation Pictured



(Fig 33) Uninstall (4) Lock Nuts from Passenger Side Corner Plate and Logo Background Plate.