



TYGER ROOF RACK

TG-RR1J33558

BEFORE INSTALLATION

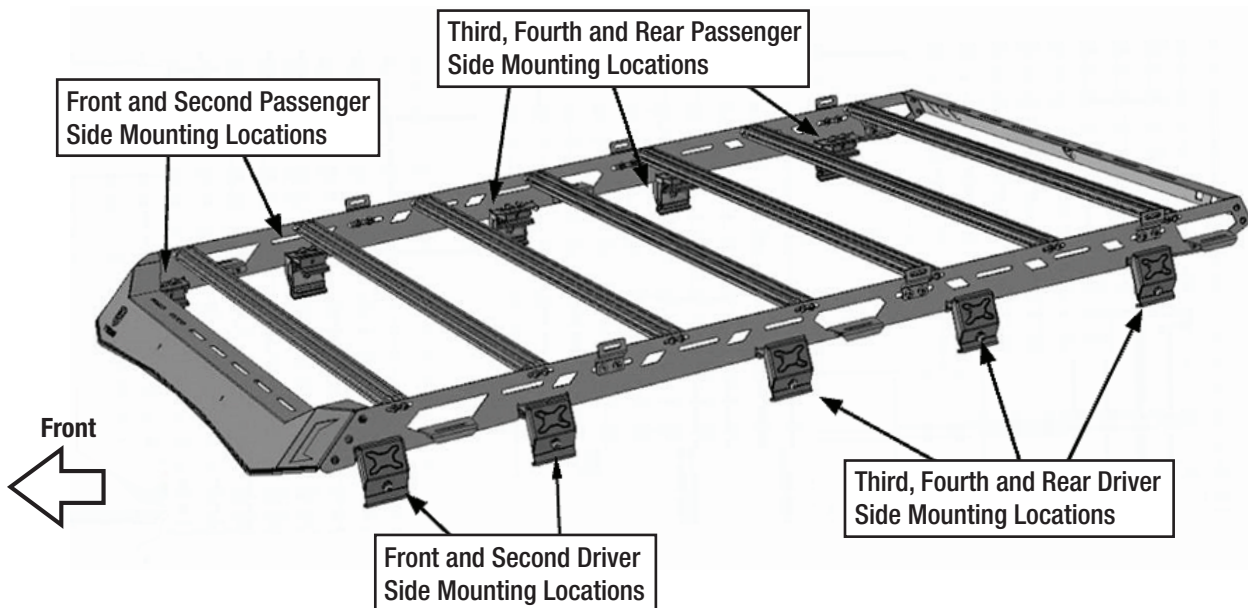
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM,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

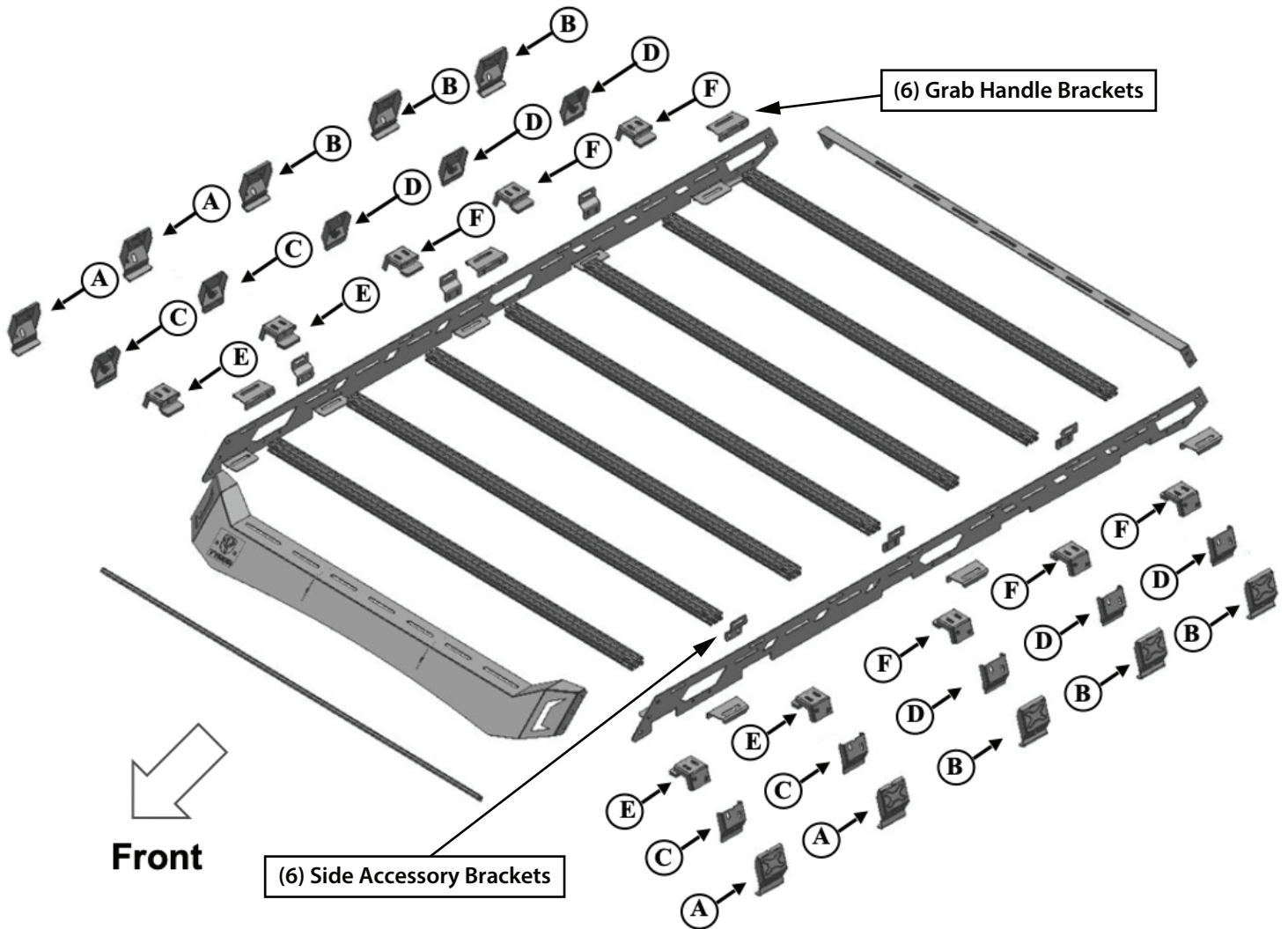
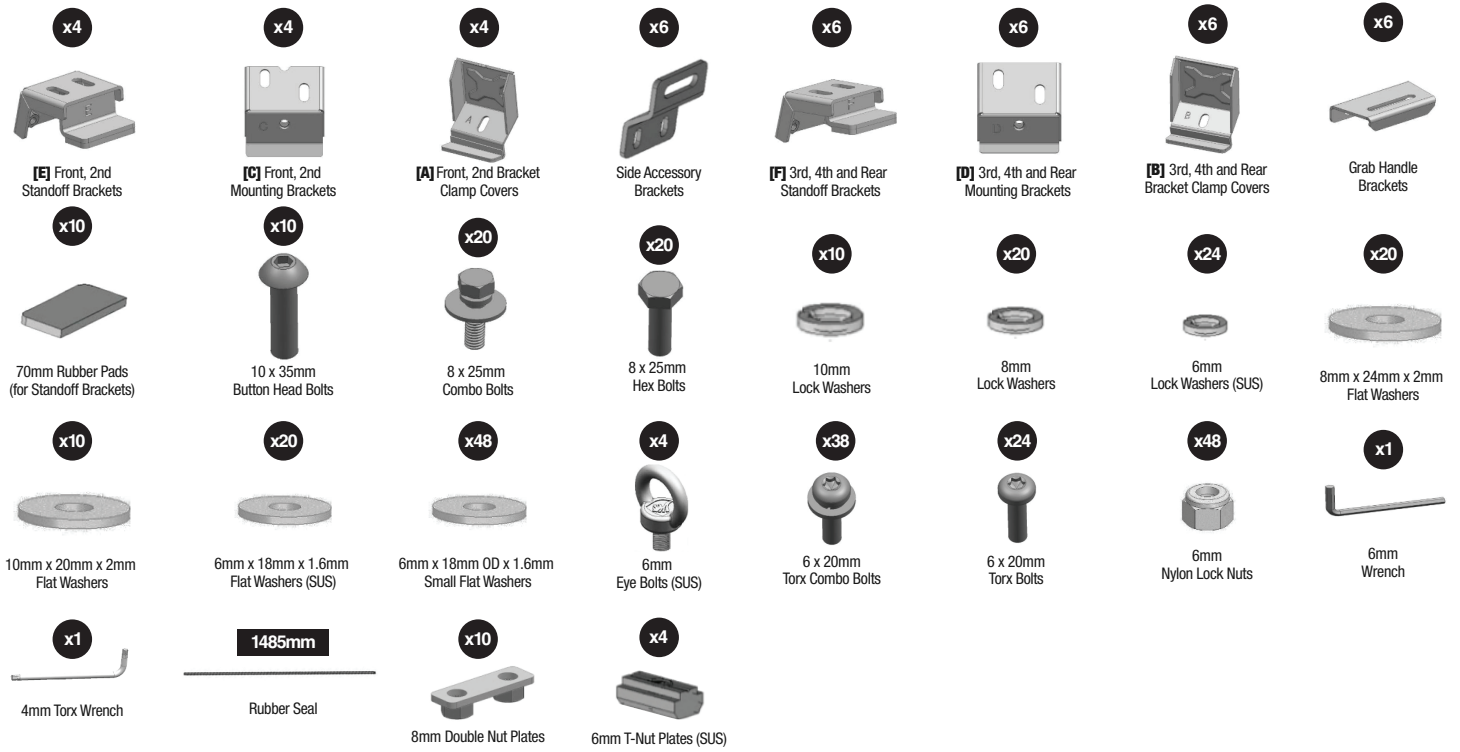
TORQUE VALUES

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

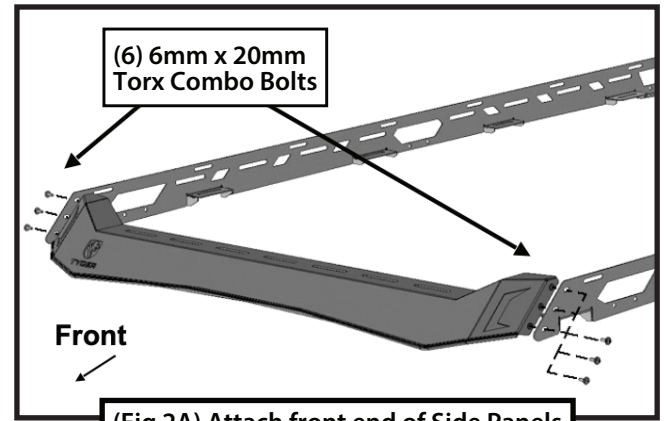
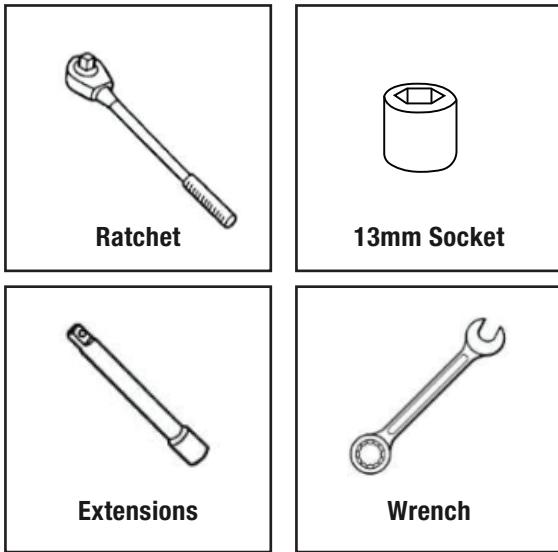
- x1** Front Cross Panel
- x1** Rubber Seal (1485mm)
- x7** Crossbars
- x1** Rear Cross Panel
- x1** Driver/Left Side Panel
- x1** Passenger/Right Side Panel
- x4** Front, 2nd Standoff Brackets **[E]**
- x4** Front, 2nd Mounting Brackets **[C]**
- x4** Front, 2nd Bracket Clamp Covers **[A]**
- x6** 3rd, 4th and Rear Standoff Brackets **[F]**
- x6** 3rd, 4th and Rear Mounting Brackets **[D]**
- x6** 3rd, 4th and Rear Bracket Clamp Covers **[B]**
- x6** Side Accessory Brackets
- x6** Grab Handle Brackets
- x10** 70mm Rubber Pads (for Standoff Brackets)
- x10** 10-1.5mm x 35mm Button Head Bolts
- x10** 10mm x 20mm x 2mm Flat Washers
- x10** 10mm Lock Washers
- x10** 8mm Double Nut Plates
- x20** 8-1.25mm x 25mm Combo Bolts
- x20** 8-1.25mm x 25mm Hex Bolts
- x20** 8mm x 24mm x 2mm Flat Washers
- x20** 8mm Lock Washers
- x4** 6mm Eye Bolts - Stainless Steel (SUS)
- x4** 6mm x 18mm x 1.6mm Flat Washers - Stainless Steel (SUS)
- x4** 6mm Lock Washers - Stainless Steel (SUS)
- x4** 6mm T-Nut Plates - Stainless Steel (SUS)
- x38** 6mm x 20mm Torx Combo Bolts
- x24** 6mm x 20mm Torx Bolts
- x48** 6mm x 18mm OD x 1.6mm Small Flat Washers
- x24** 6mm Nylon Lock Nuts
- x1** 6mm Wrench
- x1** 4mm Torx Wrench

Parts List

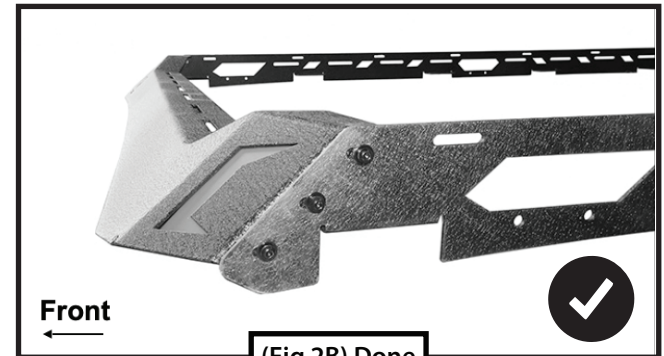




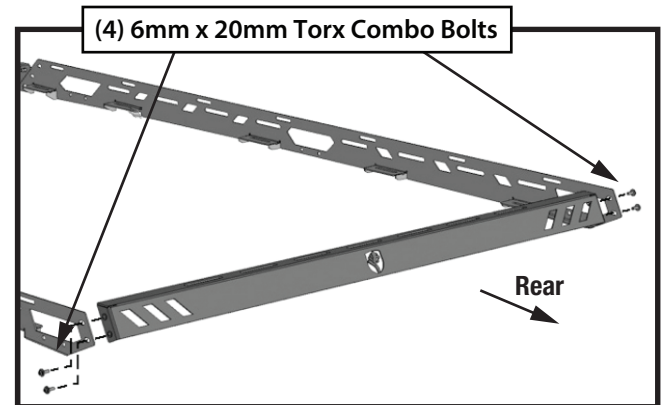
TOOLS REQUIRED



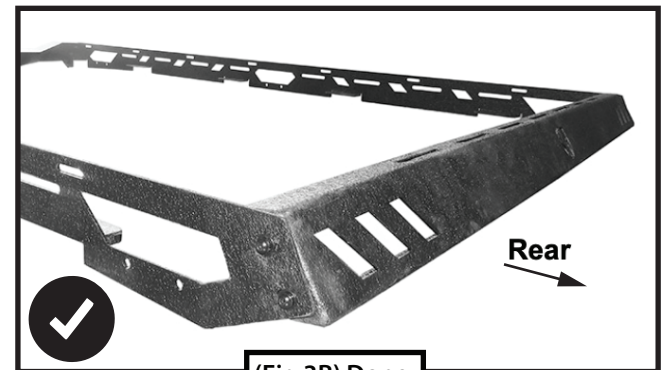
(6) 6mm x 20mm Torx Combo Bolts
 (Fig 2A) Attach front end of Side Panels to outside of Front Panel



(Fig 2B) Done



(4) 6mm x 20mm Torx Combo Bolts
 (Fig 3A) Attach Side Panels to outside of Rear Panel. DO NOT fully tighten hardware at this time.



(Fig 3B) Done

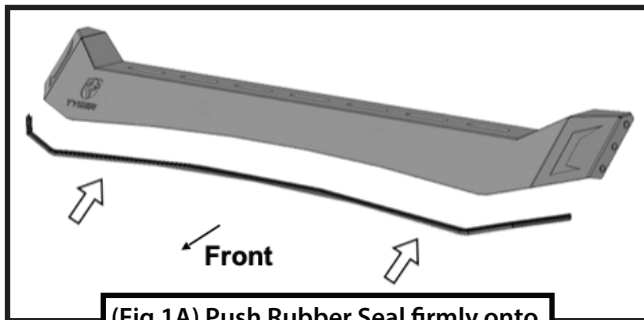
IMPORTANT: Follow the torque specs on **PAGE 1** to properly install the hardware to prevent looseness and vibration. All 6mm hardware should be torqued to approximately **7ft-lb**.

STEP 1 RACK FRAME ASSEMBLY

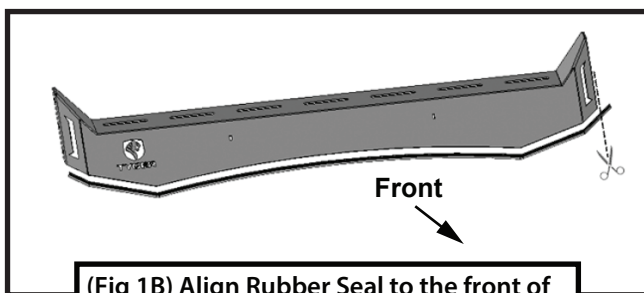
Follow (Fig 1A-3B) to install the Rack Frame.

IMPORTANT: Rubber Seal must be installed before rack assembly is placed on the vehicle. **Hardware Bag for Frame and Aluminum Bars is needed.**

PAINTABLE INSERTS: Jump over to **STEP 10** for painting instruction.



(Fig 1A) Push Rubber Seal firmly onto front edge of Front Panel.

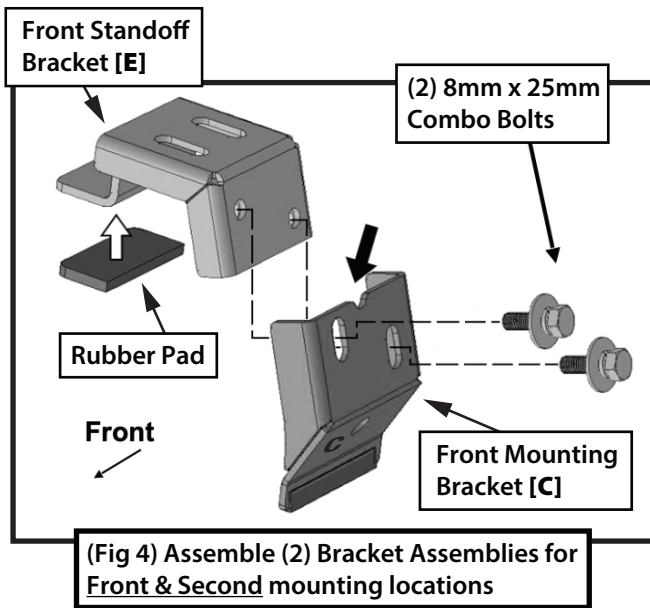


(Fig 1B) Align Rubber Seal to the front of the Front Cross Plate and trim any excess.

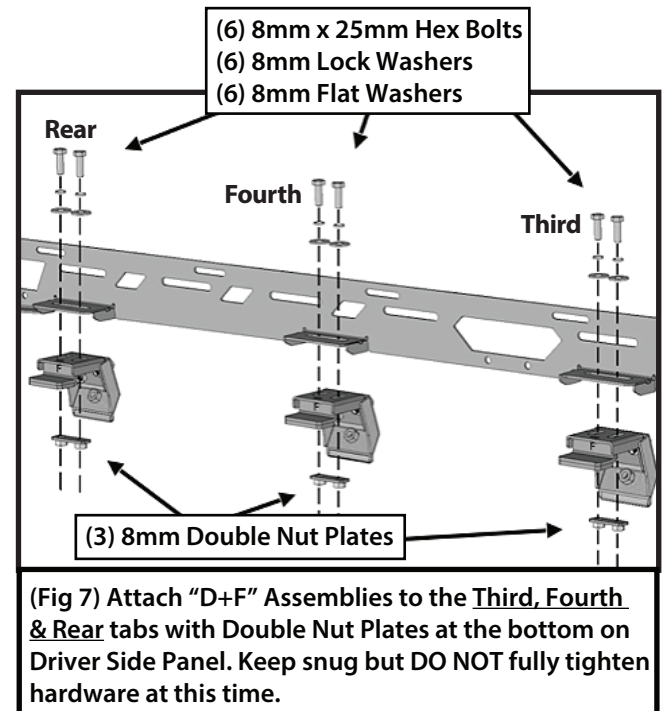
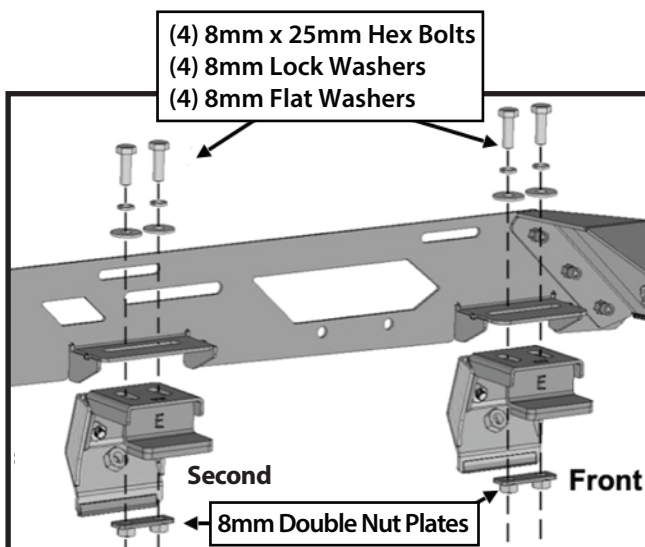
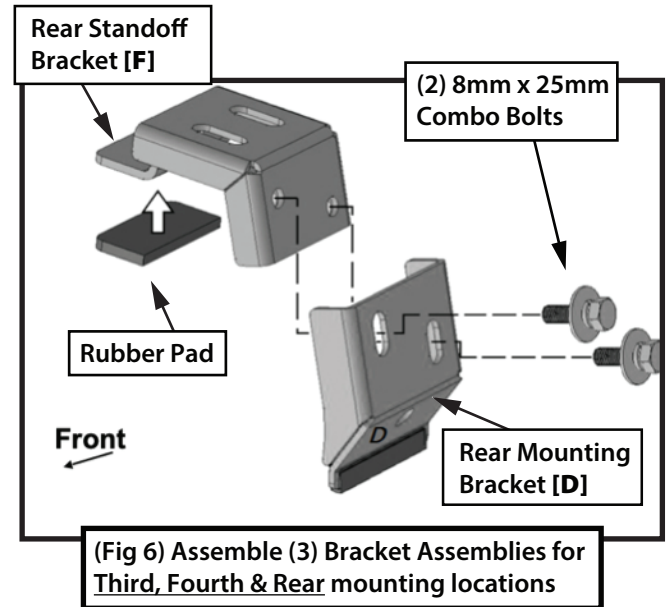
STEP 2 ATTACHING BRACKETS

Follow (Fig 4 – 7) to attach (5) Bracket Assemblies to the Driver Side Panel of the rack frame. Then repeat the step to assemble and attach the (5) Passenger Side Bracket Assemblies. **Hardware Bag for vehicle installation is needed.**

Front & Second Mounting Bracket Assemblies (2 SETS)

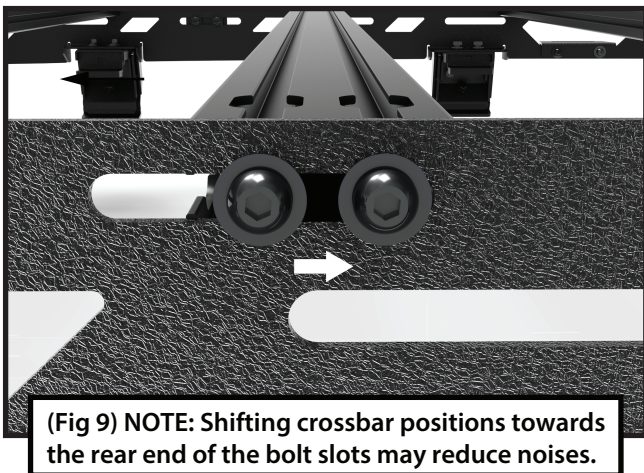
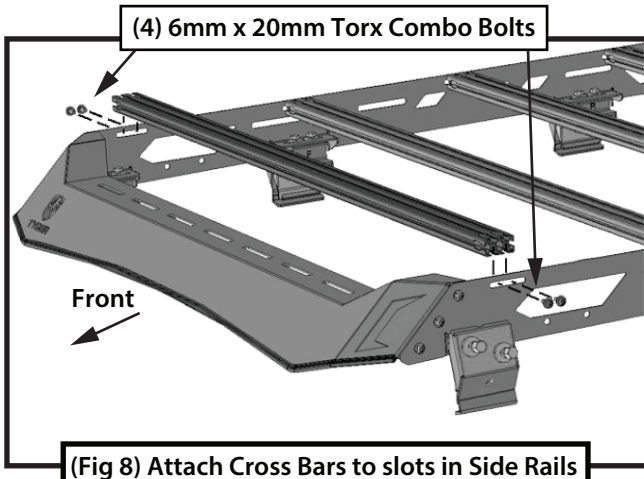


Third, Fourth & Rear Mounting Bracket Assemblies (3 SETS)



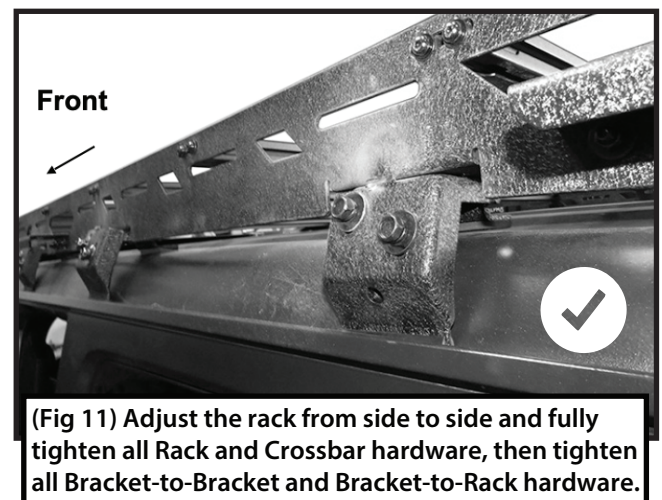
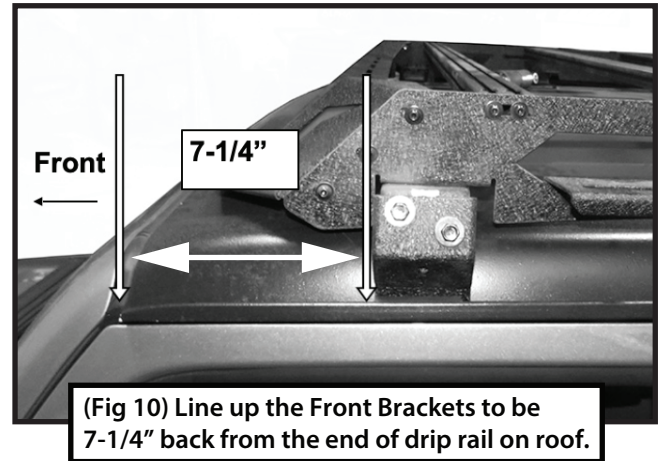
STEP 3 INSTALLING CROSSBARS

Follow (Fig 8 – 9) to install (7) Crossbars to the Side Panels. **Hardware Bag for Frame and aluminum bars is needed.**



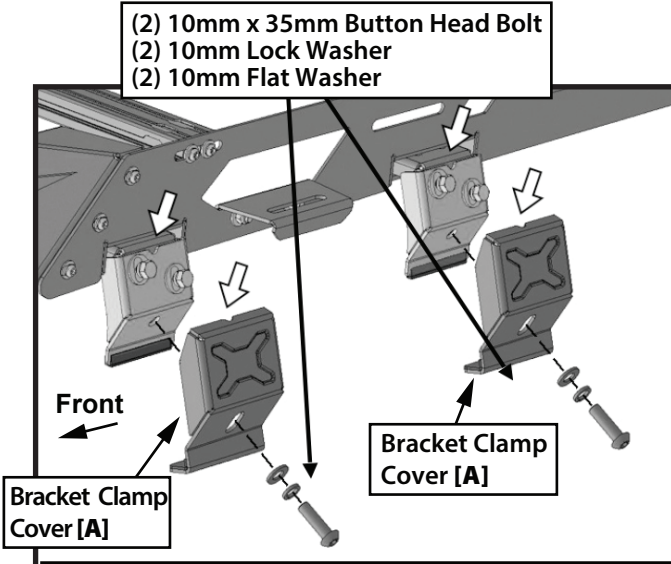
STEP 4 PLACING RACK ON ROOF

Place the Rack on the top of the vehicle carefully with assistance. Then follow (Fig 10 - 11).

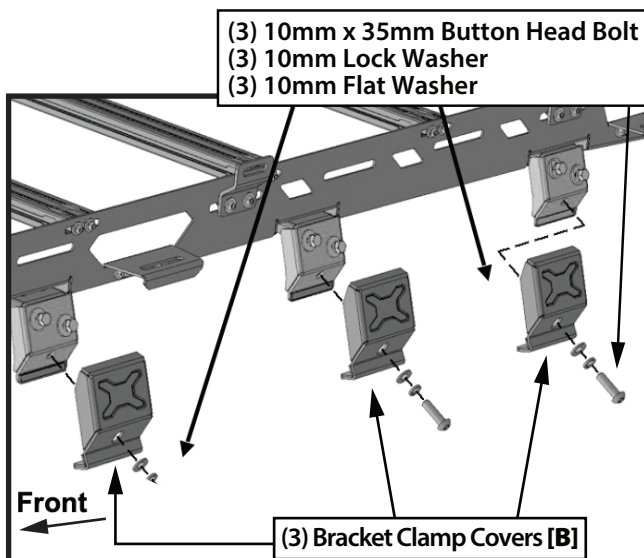


STEP 5 ATTACHING BRACKET CLAMP COVERS

Follow (Fig 12 – 14) to attach Bracket Clamp Covers to the (5) Driver Side Bracket Assemblies. Leave hardware loose. Then repeat the STEP to attach the Clamp Covers to the (5) Passenger Side Bracket Assemblies. **Hardware for vehicle installation is needed.**



(Fig 12) Attach the Bracket Clamp Covers [A] to the Front & Second Bracket Assemblies. Note the notches on top of Bracket Cover [A] for ID purposes (arrows).



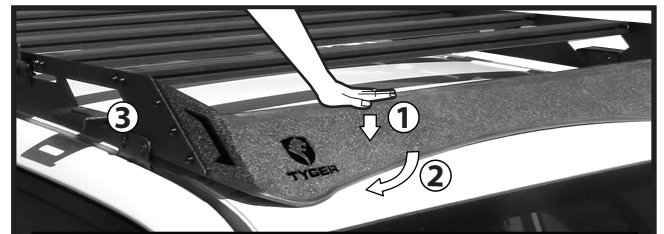
(Fig 13) Attach the Bracket Clamp Covers [B] to the Third & Fourth & Rear Bracket Assemblies. Then open all doors and check for clearance. Adjust Brackets as needed.



(Fig 14) Front & Second Bracket Clamp Covers installed

STEP 6 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 (15).



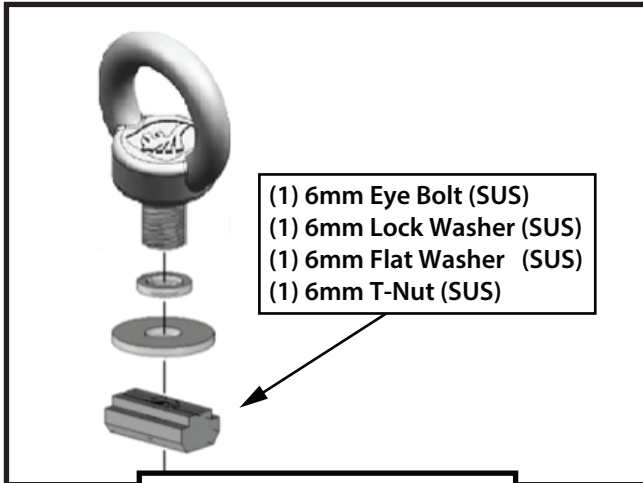
(Fig 15) While ① Keeping pressure on the Front Cross Plate against the vehicle roof and ② Pushing it down and inward against vehicle roof so the Rubber Seal is compressed against the roof, ③ Tighten Front Cross Plate hardware.

IMPORTANT:

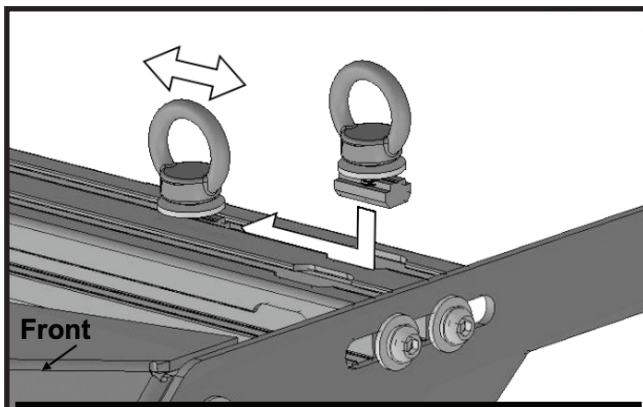
1. Follow the Torque spec on **Page 1** to properly install the hardware to prevent looseness and vibration. All 6mm hardware should be torqued to approximately **7 ft-lbs.**
2. The Front Cross Plate with installed Rubber Seal must be in contact and pressed against the vehicle roof to mitigate wind noise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

STEP 7 EYE BOLTS (OPTIONAL)

4 Eye Bolt sets are included and installation is optional. If needed, follow (fig 16 – 17).



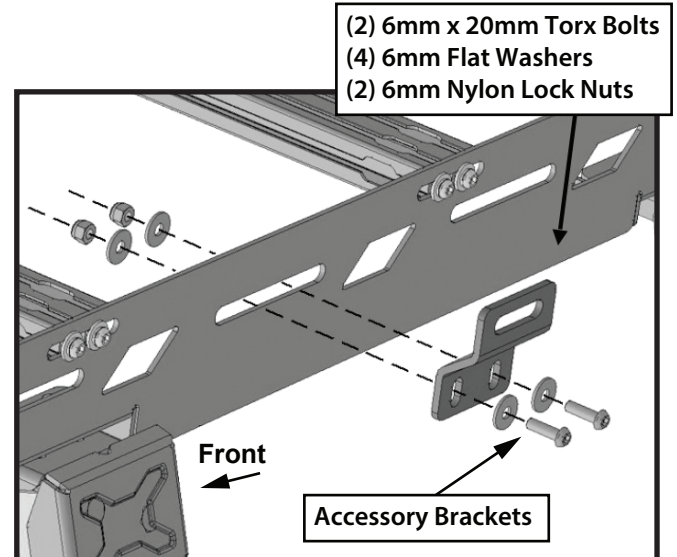
(Fig 16) Stainless Steel Eye Bolt assembly. Leave Eye Bolt loose.



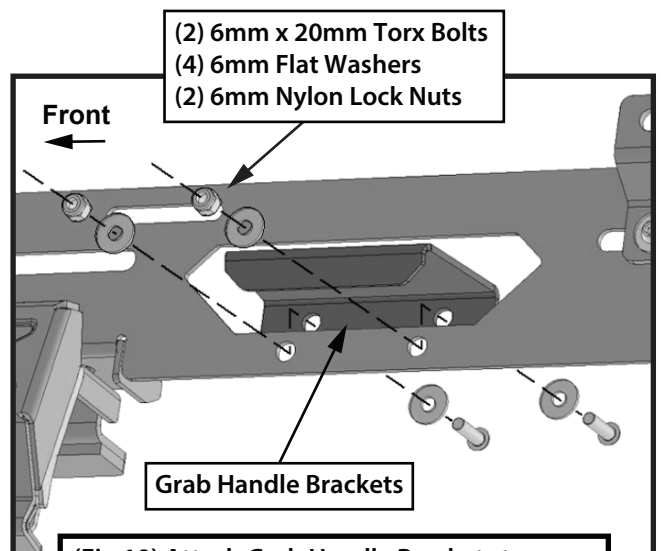
(Fig 17) Insert T-Nut on Eye Bolt assembly into the channels via the ends of each Crossbar. Slide the assembly into desired location and fully tighten Eye Bolt clockwise to lock in position. Channels are included on each side of the crossbars.

STEP 8 OTHER ACCESSORIES (OPTIONAL)

Accessory Brackets and Grab Handle Brackets installations are optional. If needed, follow (Fig 18 -19). **Hardware Bag for Handle and Side Accessory brackets is needed.**



(Fig 18) Attach Accessory Brackets to the multiple long narrow slots outside of the Side Panels as desired.



(Fig 19) Attach Grab Handle Brackets to Side Panels as desired. Installation is optional

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.

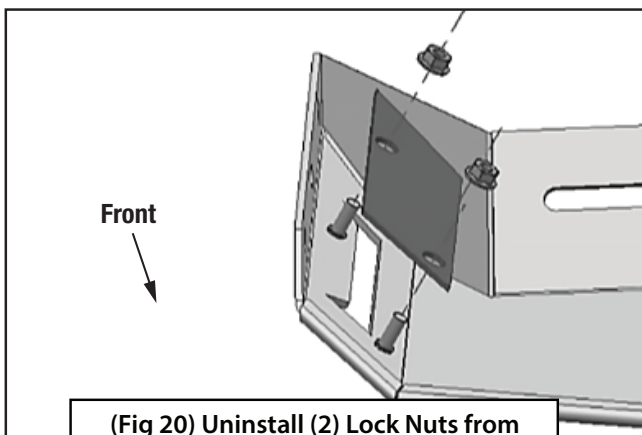
STEP 10 PAINTABLE INSERTS

(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.

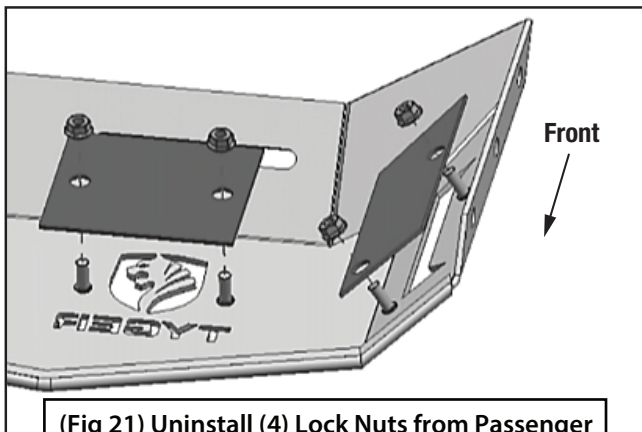
Do periodic inspections to the installation to make sure that all hardware is secured and tight.

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.