



# TYGER®

## TYGER ROOF RACK

TG-RR1T33138

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### BEFORE INSTALLATION

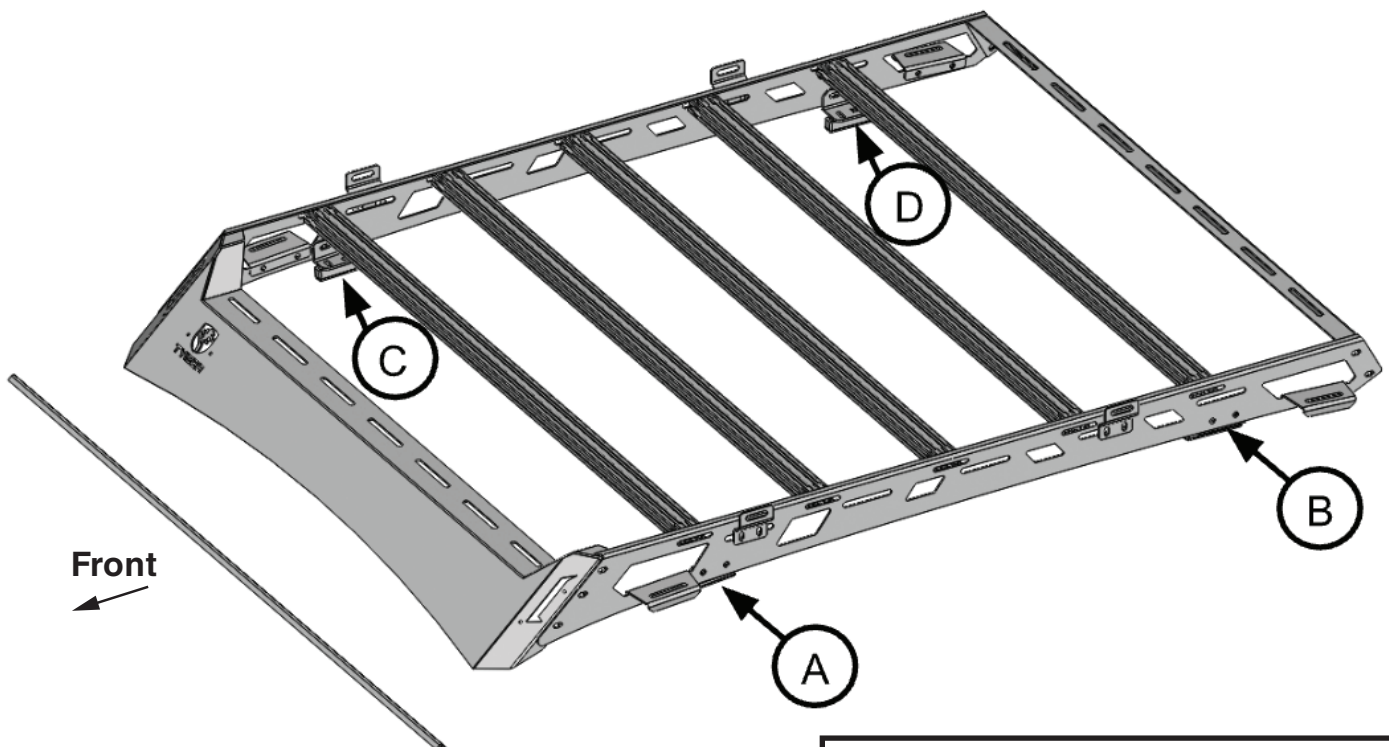
READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM,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

### TORQUE VALUES

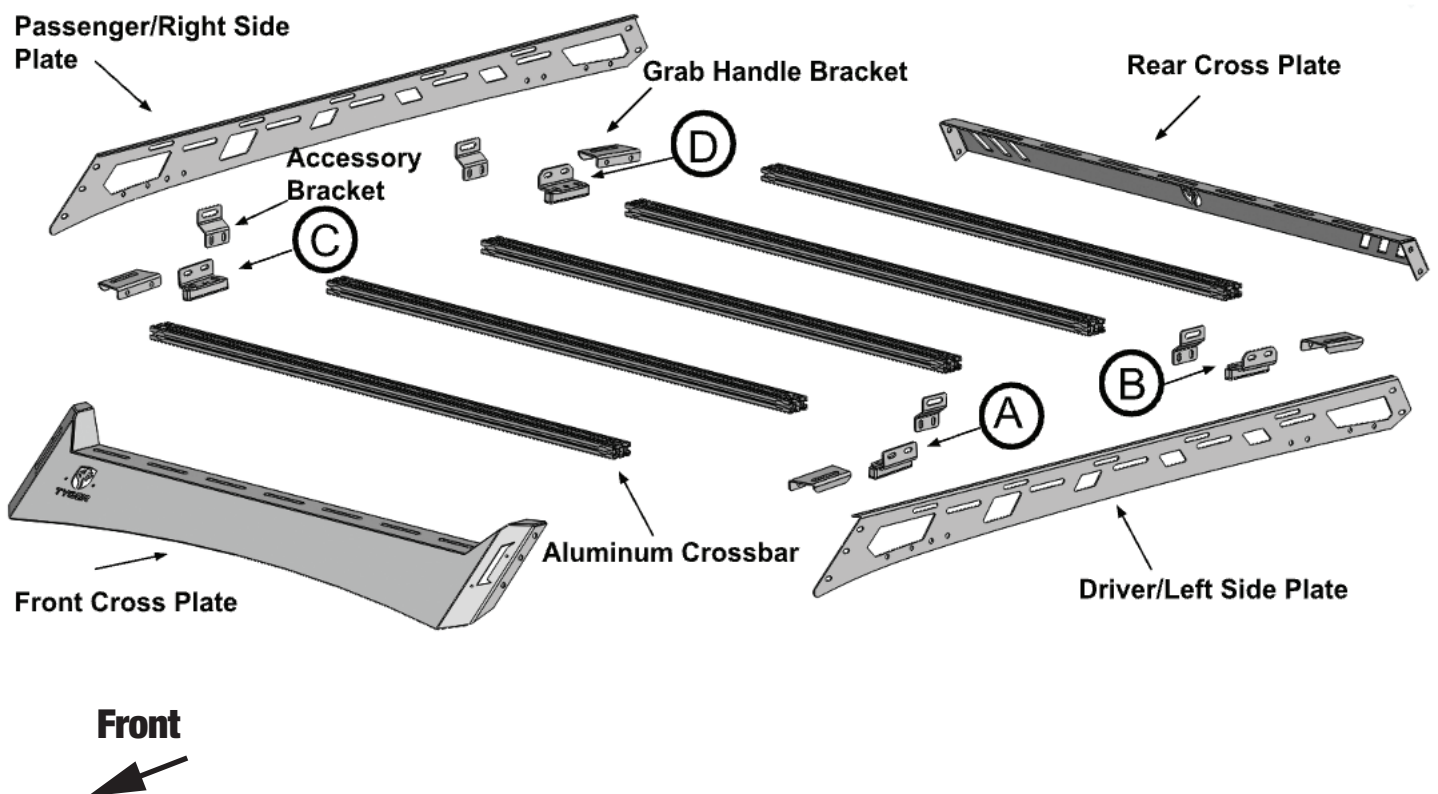
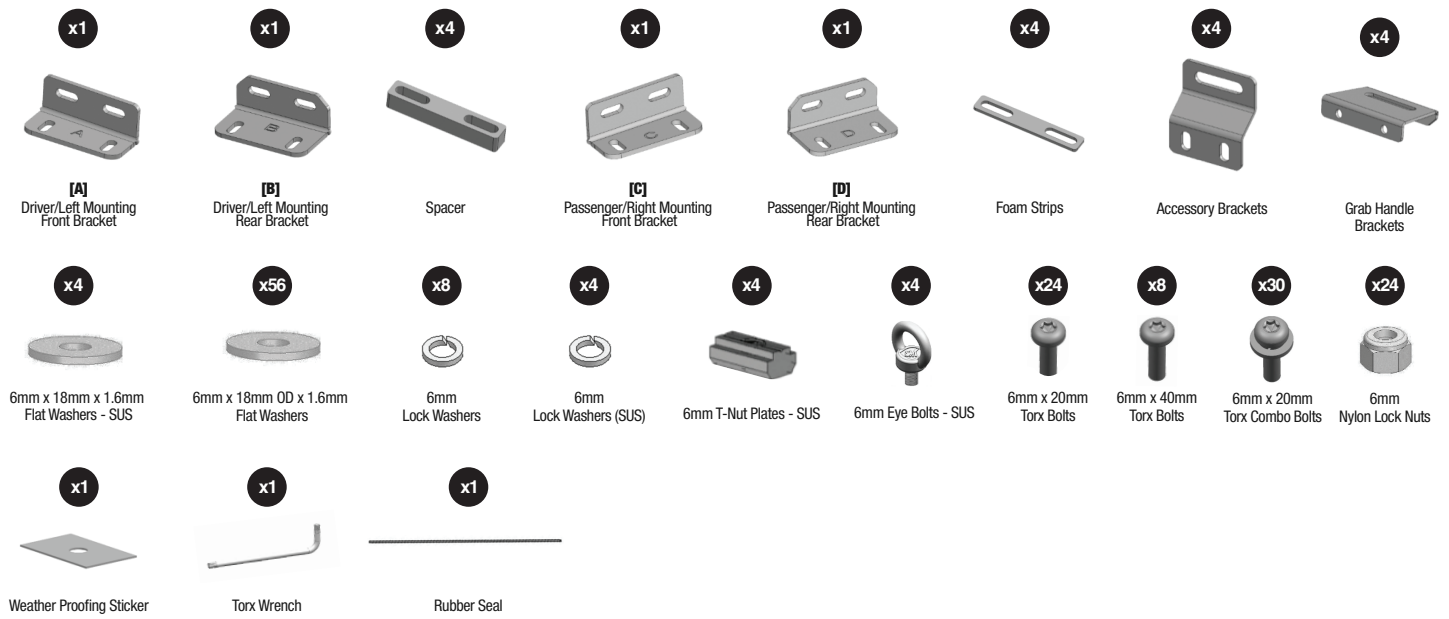
Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126

- |   |   |  |
|---|---|--|
| <b>x1</b> Front Cross Panel                               | <b>x8</b> Weather Proofing Stickers             | <b>x30</b> 6mm x 20mm Torx Combo Bolts |
| <b>x1</b> Rear Cross Panel                                | <b>x4</b> Grab Handle Brackets                  | <b>x1</b> Torx Wrench                  |
| <b>x1</b> Passenger/Right Side Panels                     | <b>x1</b> Rubber Seal                           | <b>x8</b> 6mm Lock Washers             |
| <b>x1</b> Driver/Left Side Panels                         | <b>x4</b> 6mm T-Nut Plates (SUS)                | <b>x8</b> 6mm x 40mm Torx Bolts        |
| <b>x5</b> Crossbars                                       | <b>x4</b> 6mm Lock Washers (SUS)                |  |
| <b>x1</b> Driver/Left side Front Mounting Bracket [A]     | <b>x4</b> 6mm Eye Bolts (SUS)                   |  |
| <b>x1</b> Passenger/Right side Front Mounting Bracket [C] | <b>x4</b> 6mm x 18mm x 1.6mm Flat Washers (SUS) |  |
| <b>x1</b> Driver/Left side Rear Mounting Bracket [B]      | <b>x4</b> Accessory Brackets                    |  |
| <b>x1</b> Passenger/Right side Rear Mounting Bracket [D]  | <b>x24</b> 6mm Nylon Lock Nuts                  |  |
| <b>x4</b> 100mm x 18mm Self Adhesive Foam Strips          | <b>x24</b> 6mm x 20mm Torx Bolts                |  |
| <b>x4</b> 100mm x 18mm x 15mm Spacers                     | <b>x56</b> 6mm x 18mm OD x 1.6mm Flat Washers   |  |

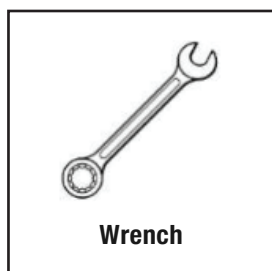
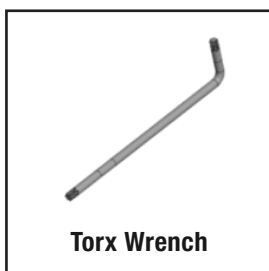
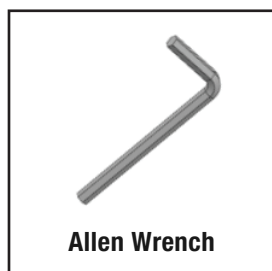
### Parts List



Locations A, B, C, and D are attached to the vehicle inserts.



## TOOLS REQUIRED

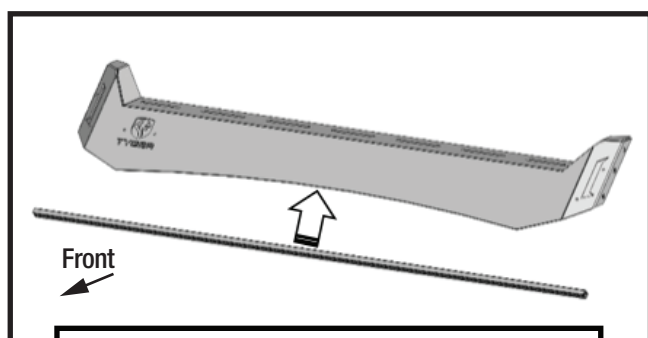


## STEP 1 RACK FRAME ASSEMBLY

Follow (Fig 1-5) to assemble the Rack Frame.

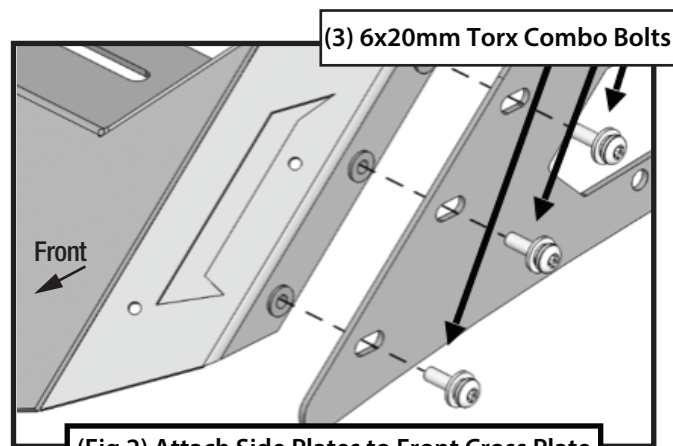
**Hardware Bag for Frame and Aluminum Bars is needed.**  
DO NOT fully tighten hardware.

**Paintable Inserts:** If you plan on painting the accent color plates, jump to **STEP 6** and continue.

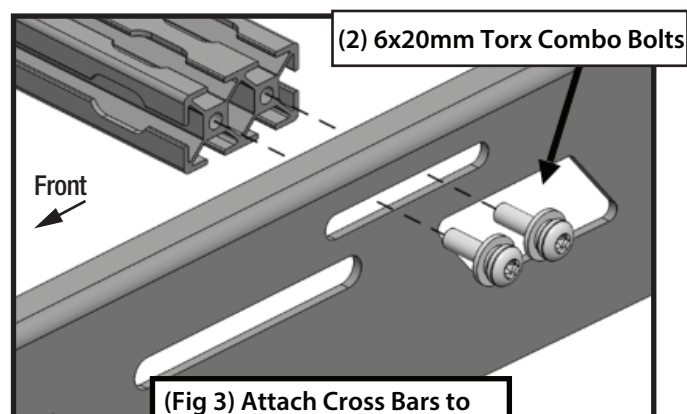


(Fig 1) Attach Rubber Seal to Front Cross Plate

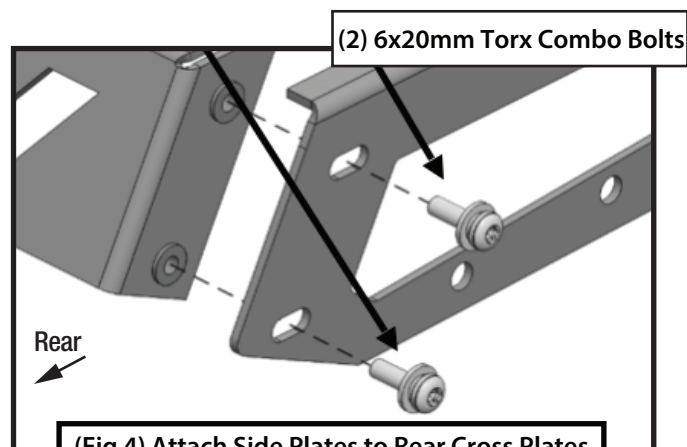
**IMPORTANT:** Rubber Seal must be installed before rack assembly placed on the vehicle. And ensure insert is tightly screwed with no gap against wind fairing.



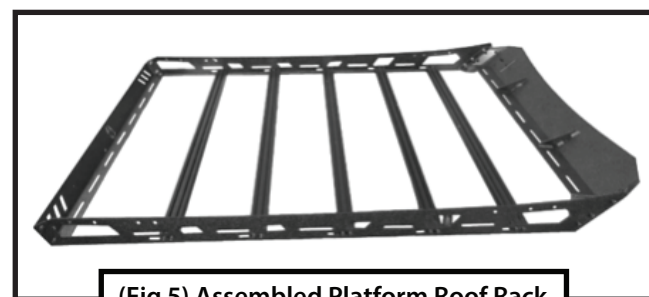
(Fig 2) Attach Side Plates to Front Cross Plate



(Fig 3) Attach Cross Bars to Mounting Slots in Side Plates



(Fig 4) Attach Side Plates to Rear Cross Plates



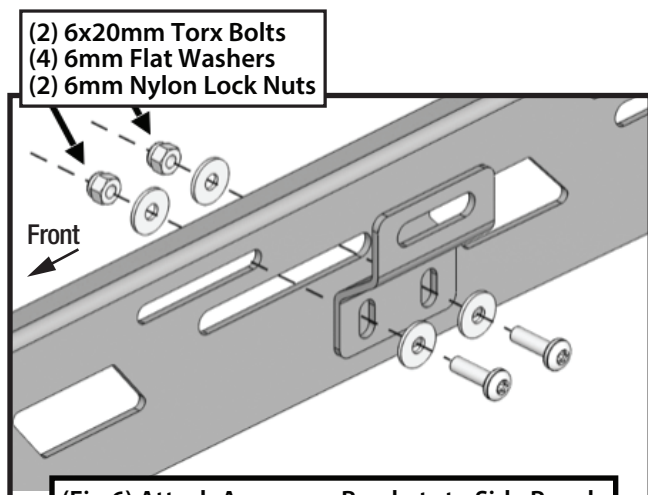
(Fig 5) Assembled Platform Roof Rack

**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**

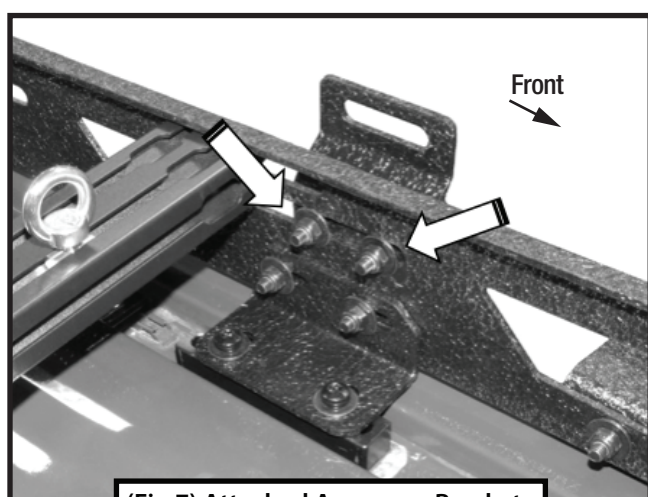
## STEP 2 OTHER ACCESSORIES (OPTIONAL)

Follow (Fig 6-9) to attach accessories to Roof Rack.

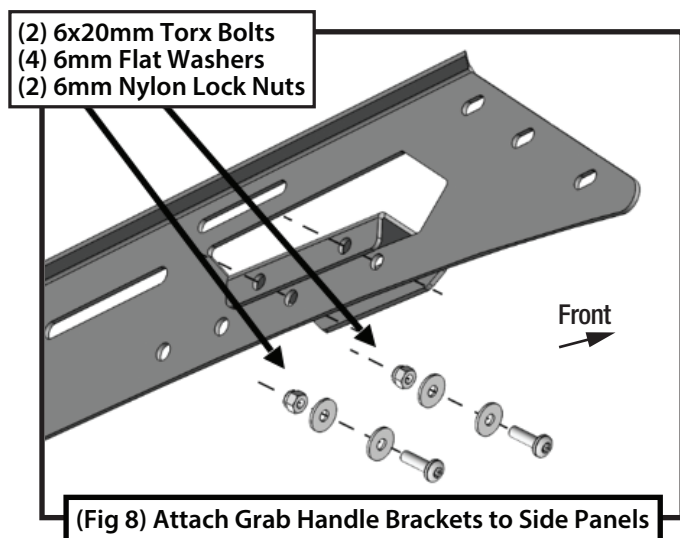
 **Hardware Bag for Handle and Side Accessories**  
**Installation is needed.** Snug but DO NOT tighten hardware.



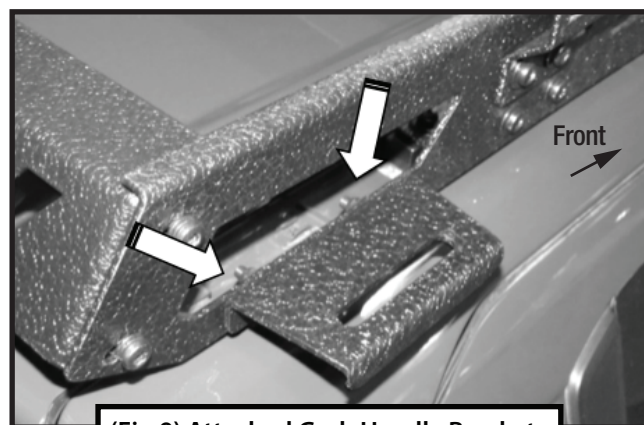
(Fig 6) Attach Accessory Brackets to Side Panels



(Fig 7) Attached Accessory Brackets



(Fig 8) Attach Grab Handle Brackets to Side Panels



(Fig 9) Attached Grab Handle Brackets

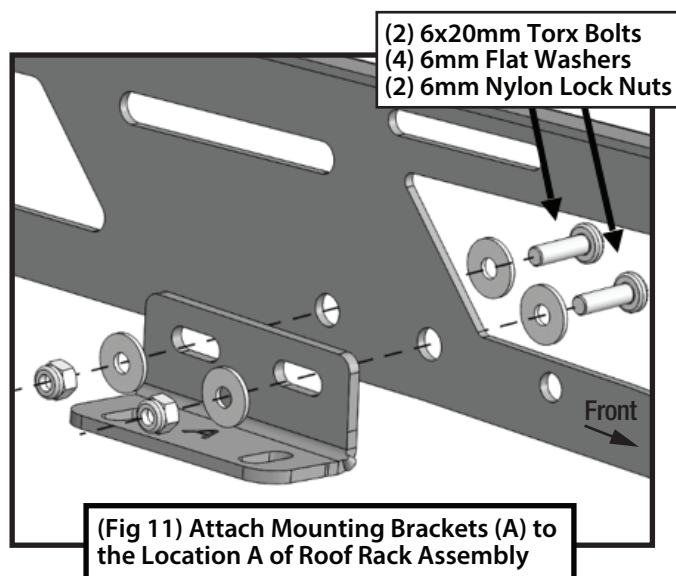
## STEP 3 INSTALL ROOF RACK

Follow (Fig 10 -13) to attach Roof Rack to roof of vehicle.

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

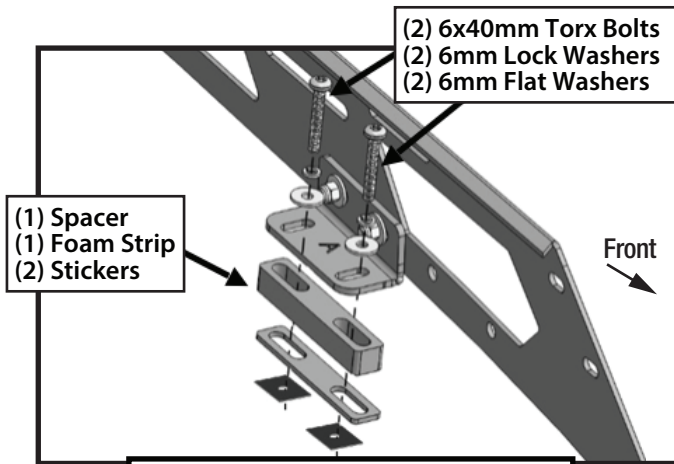


(Fig 10) Remove weather strips to access inserts

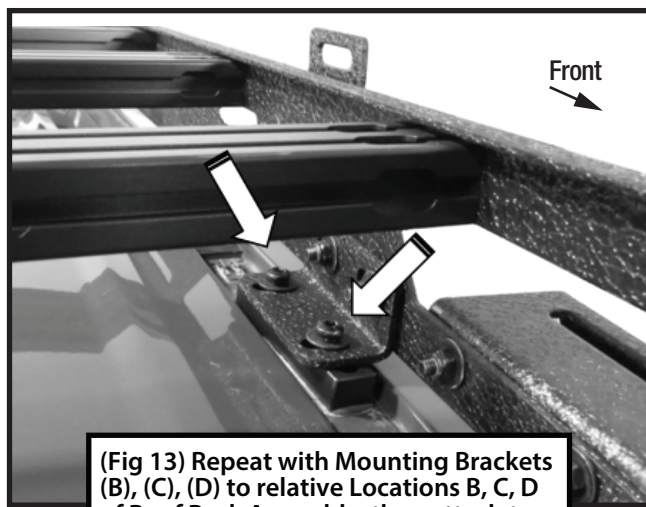


(Fig 11) Attach Mounting Brackets (A) to the Location A of Roof Rack Assembly





(Fig 12) Attach Mounting Bracket (A) to Spacer, Foam Strip and Stickers



(Fig 13) Repeat with Mounting Brackets (B), (C), (D) to relative Locations B, C, D of Roof Rack Assembly, then attach to corresponding vehicle insert

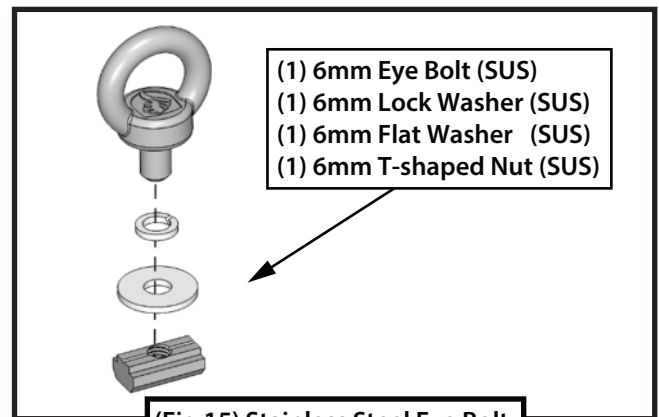
### IMPORTANT:

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.**

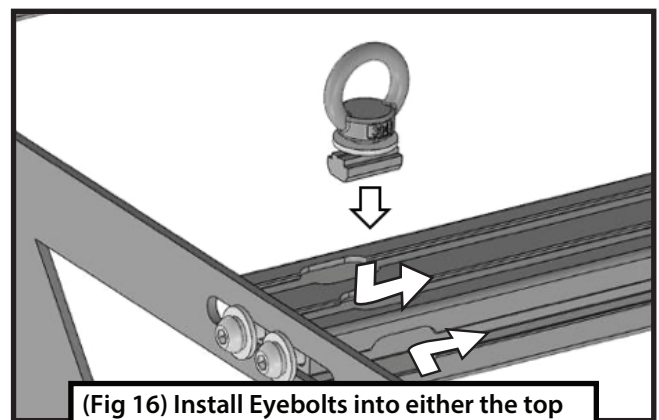
2. The Front Cross Plate with installed Rubber Seal must be in contact and pressed against the vehicle roof to mitigate wind noise and vibration during vehicle operation.

## STEP 5 EYE BOLTS (OPTIONAL)

Follow (Fig 15 – 16) to assemble and attach Eyelet Bolts to Crossbar if using.



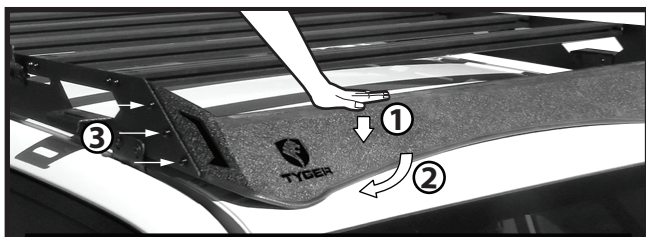
(Fig 15) Stainless Steel Eye Bolt assembly. Leave Eye Bolt loose.



(Fig 16) Install Eyebolts into either the top or side channels of the Crossbars as needed

## STEP 4 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 14) to adjust the fit.



(Fig 14) 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.

## STEP 6 PAINTABLE INSERTS

Follow (Fig 17 – 18) to remove and adjust colors for Accent and Logo Background Plates before reinstalling Plates.

Then go back to **STEP 1** to continue with rack frame assembly.

Driver/Left Side Installation Pictured

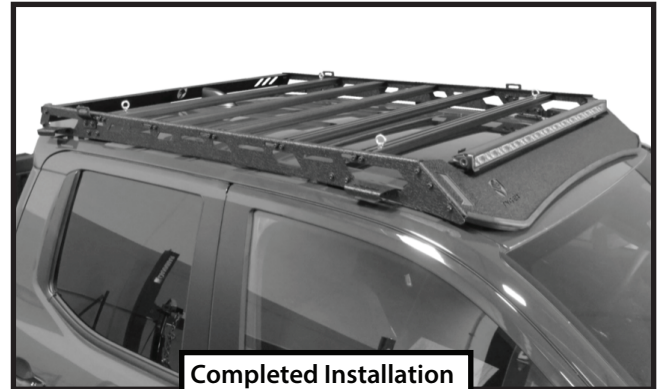
Front

(Fig 17) Remove Accent Plate from Driver/Left

Passenger/Right Side Installation Pictured

Front

(Fig 18) Remove Accent Plate and Tyger Logo Background Plate from Passenger/Right to flip or repaint



## STEP 7 CHECK ALIGNMENT

Ensure Roof Rack fits properly and is level, and then tighten all hardware. Installation is complete. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**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.