

# INSTALLATION GUIDE

## LEXUS GX MULE ROOF RACK



# CONTENTS

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## CONTENTS

Page 3 Rack Assembly Drawing

Page 4 Hardware

Page 5 Front and Side Braces

Page 6 Rear Brace and Side Fascia

Page 7 Rear Fascia

Page 8 Front Fascia

Page 9 Seam Joiners

Page 10 Spacers

Page 11 Load Bars

Page 12-13 Roof Mounts

Page 14 Roof Rack Installation

## SKILL LEVEL - 3 STARS



1 STAR

EASY - No tools required

2 STARS

BASIC - Requires standard tools, basic mechanical knowledge and understanding

3 STARS

MODERATE - Requires standard tools. Some drilling and/or cutting.

4 STARS

ADVANCED - Requires speciality tools. Drilling, cutting, and/or welding

5 STARS

EXPERT - Professional installation recommended.

## DISCLAIMER

Expedition One is not responsible for any damages to vehicle or injury.

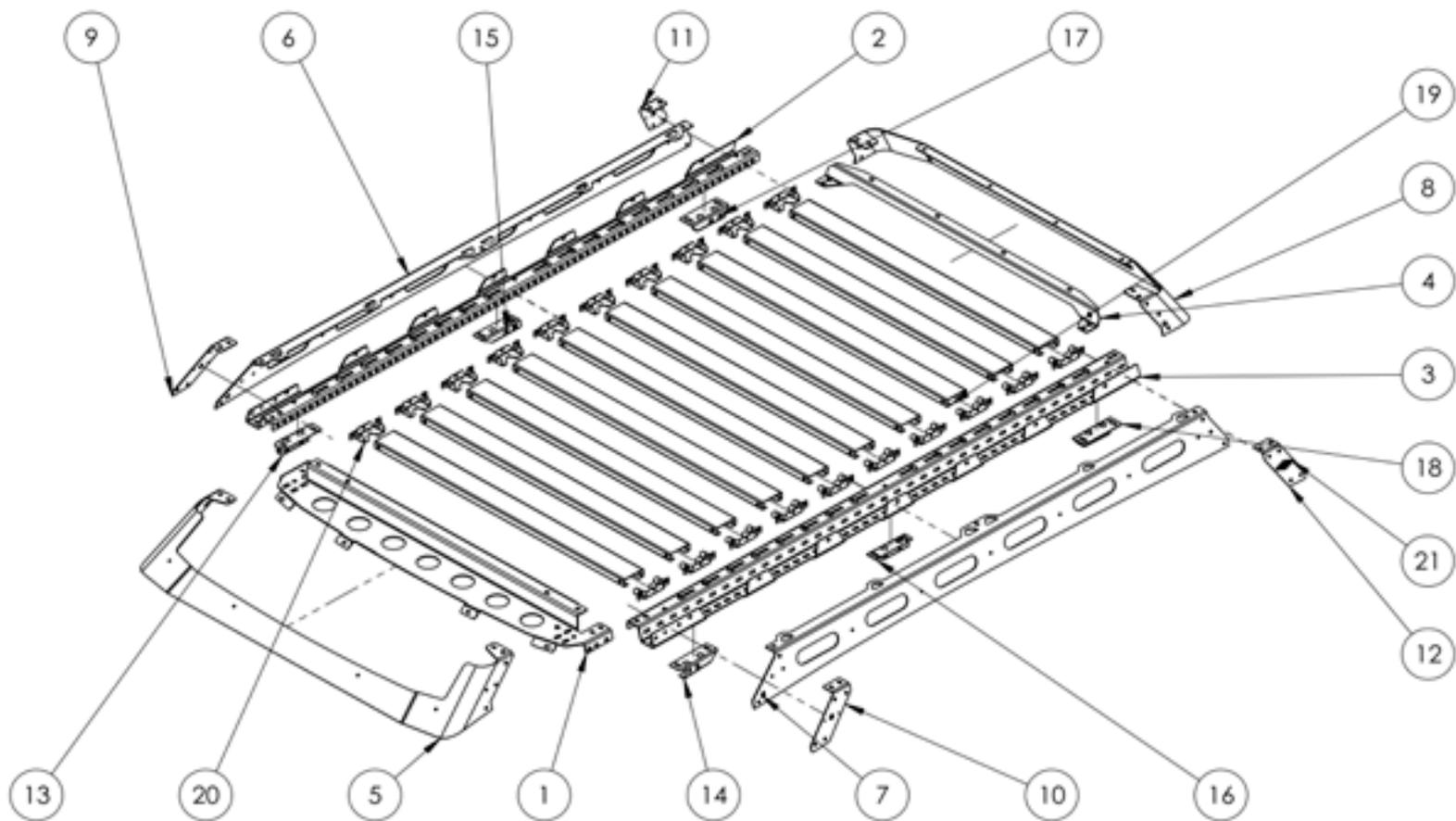
We always recommend professional assistance when installing our vehicle products.

Always follow safety precautions including the use safety gear and devices.

## NOTE

Due to the nature of aluminum, rack pieces including fascia parts may require time to “relax” or return to shape before mounting.

Do not force parts into place. Leave all hardware loose before tightening to allow for adjustment.



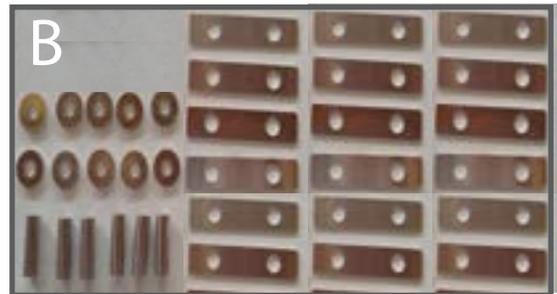
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	ML-GX460-ULTRA-RK101	FRONT BRACE
2	1	ML-GX460-ULTRA-RK102	RIGHT RAIL
3	1	ML-GX460-ULTRA-RK103	LEFT RAIL
4	1	ML-GX460-ULTRA-RK104	REAR BRACE
5	1	ML-GX460-ULTRA-RK105	FRONT SIDING
6	1	ML-GX460-ULTRA-RK106	RIGHT SIDING
7	1	ML-GX460-ULTRA-RK107	LEFT SIDING
8	1	ML-GX460-ULTRA-RK108	REAR SIDING
9	1	ML-GX460-ULTRA-RK109	FRONT RIGHT SEAM JOINER
10	1	ML-GX460-ULTRA-RK110	FRONT LEFT SEAM JOINER

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
11	1	ML-GX460-ULTRA-RK111	REAR RIGHT SEAM JOINER
12	1	ML-GX460-ULTRA-RK112	REAR LEFT SEAM JOINER
13	1	ML-GX460-ULTRA-RK113	FRONT RIGHT ROOF MOUNT
14	1	ML-GX460-ULTRA-RK114	FRONT LEFT ROOF MOUNT
15	1	ML-GX460-ULTRA-RK115	CENTER RIGHT ROOF MOUNT
16	1	ML-GX460-ULTRA-RK116	CENNTER LEFT ROOF MOUNT
17	1	ML-GX460-ULTRA-RK117	REAR RIGHT ROOF MOUNT
18	1	ML-GX460-ULTRA-RK118	REAR LEFT ROOF MOUNT
19	10	PCML-MULE-GX-FLOOR-SLAT-COPY	SPREADER
20	20	PCML-MULE-RACK-SPREADER-MNT-BRAKET-1-COPY	BRACKET
21	2	PCML-mule_badge-COPY	MULE BADGE

# HARDWARE

## HARDWARE

ITEM	QTY
Lexua GX Mule Ultra Roof Rack	
Front Brace	1
Left Rail	1
Right Rail	1
Rear Brace	1
Front - Cutout or No Cutout	1
Left Side	1
Right Side	1
Rear	1
Front Left Seam Joiner	1
Front Right Seam Joiner	1
Rear Left Seam Joiner	1
Rear Right Seam Joiner	1
Spreader	10
Spreader Bracket	20
<b>A - Mule Ultra SUV Hardware Kit</b>	
1/4"-20 X 1/2" Button Head Bolts	80
1/4"-20 X 3/4" Button Head Bolts	22
1/4"-20 Nylock Nuts	102
5/16"-18 X 3/4" Hex Cap Bolts	8
5/16"-18 X 3/4" Button Head Bolts	38
5/16"-18 X 2 1/2" Button Head Bolts	6
5/16"-18 Nylock Nut	44
5/16"-18 Clip Nut	12
5/16" Flat Washer	16
<b>Roof Mount Hardware Kit</b>	
M8-1.25 X 30mm	12
5/16" - USS Washers	12
<b>B - Spacer Kit</b>	
Round Spacer	10
Tube Spacer	12
Med Rectangular Spacer	12
Thick Rectangler Spacer	12
<b>C - Roof Mounts</b>	
Front Mounts ( F )	2
Middle Mounts ( M )	2
Rear Mounts ( R )	2
<b>D - Weather Stripping - 63"</b>	1
Foam Stripping - 18"	1



# RACK ASSEMBLY

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## ATTENTION

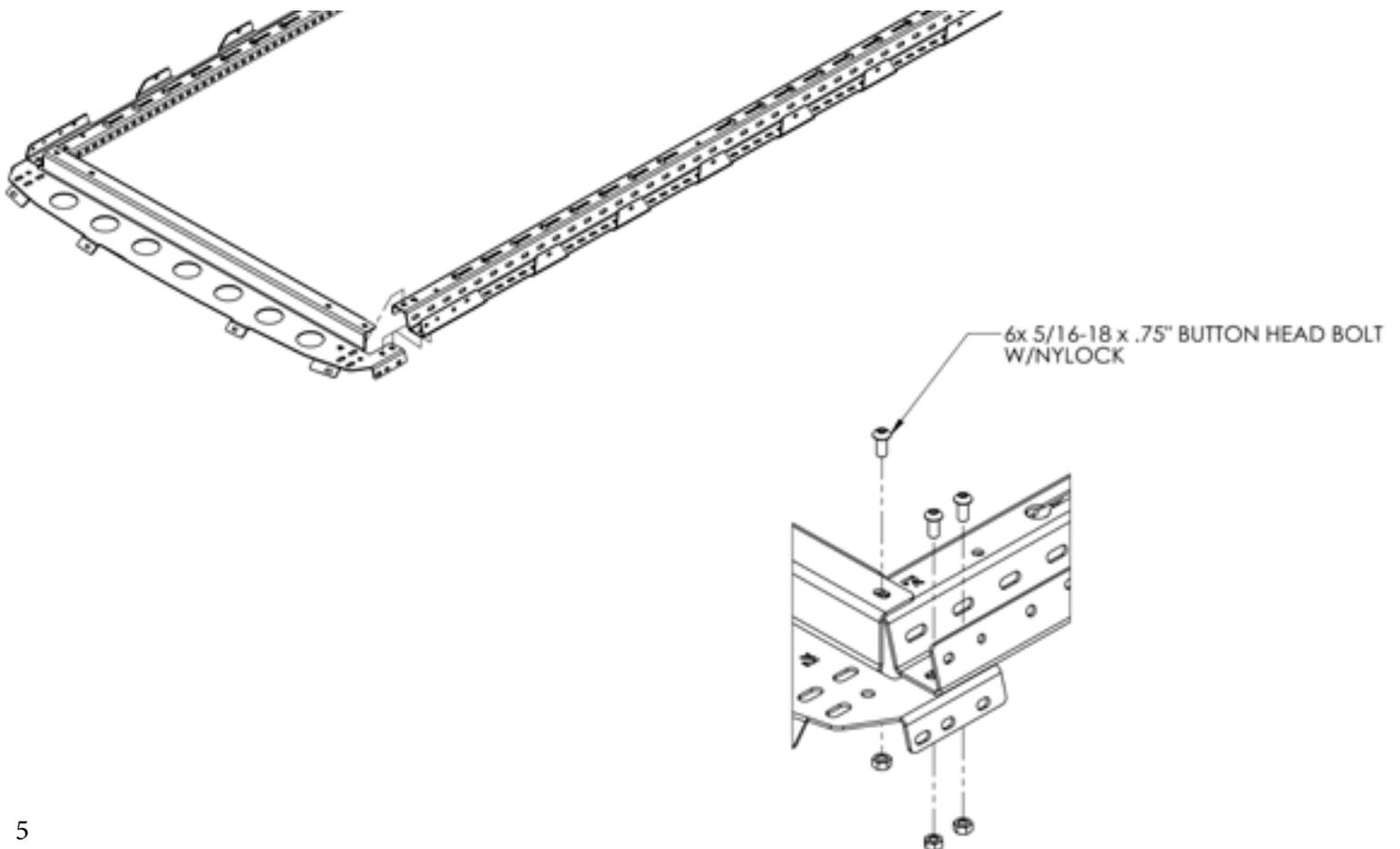
When assembling the Mule Ultra Rack, remember to hand-tighten all bolts relatively loose until the very end of the install. This allows everything to fit into place before everything is tightened down.

## 1 OEM ROOF RACK REMOVAL

Remove the OEM roof rack from the vehicle by undoing the hardware located at each mount.

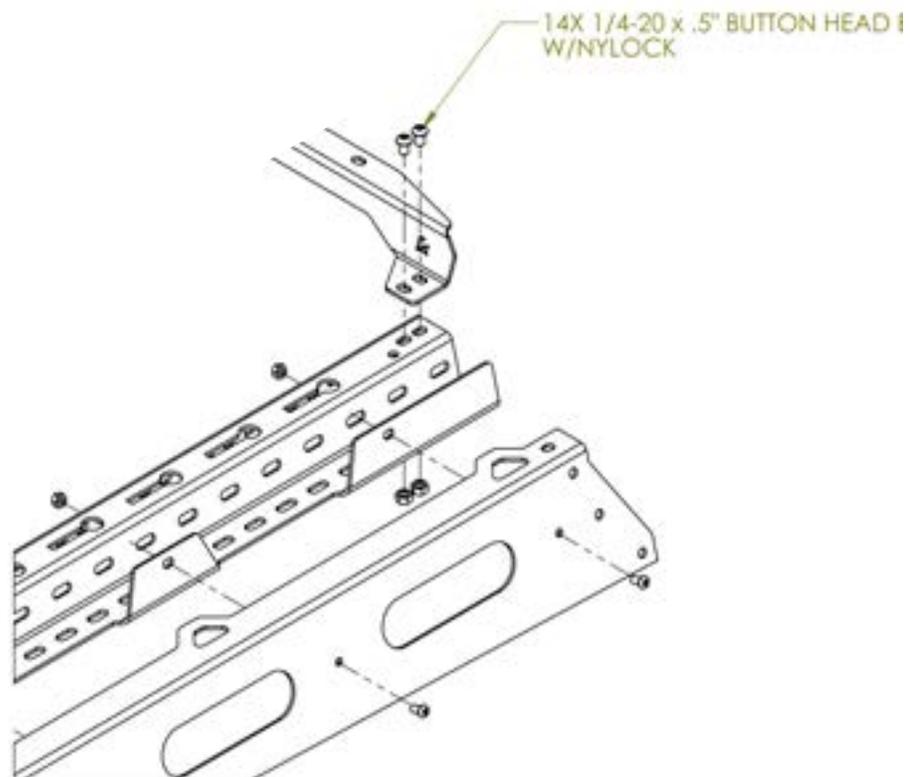
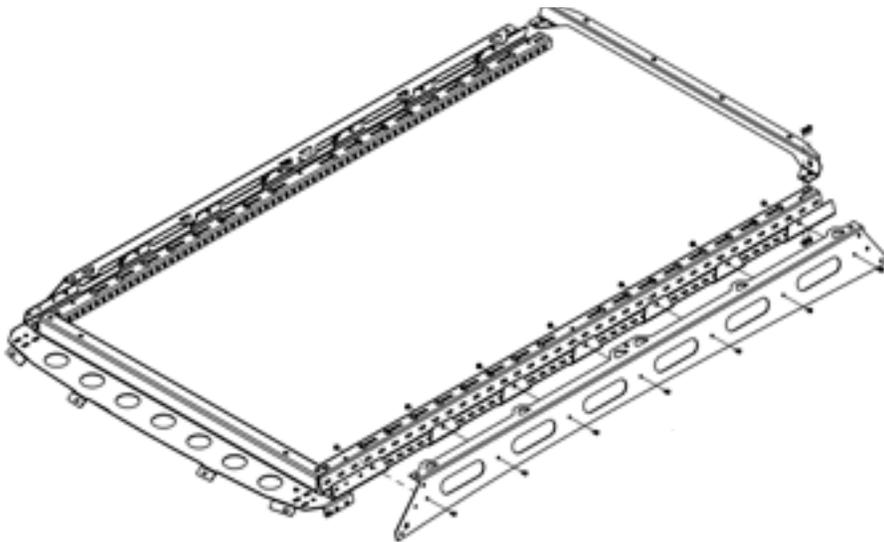
## 2 FRONT AND SIDE BRACES MOUNTING

Lay out the front and side braces as shown. Mount the braces together using the 5/16" bolts and nuts.



### 3 REAR BRACE AND SIDE FASCIA MOUNTING

Attach the rear brace and side fascias shown using 1/4" and 5/16" bolts on both sides as shown below.



## SIDE FASCIA CONTINUED

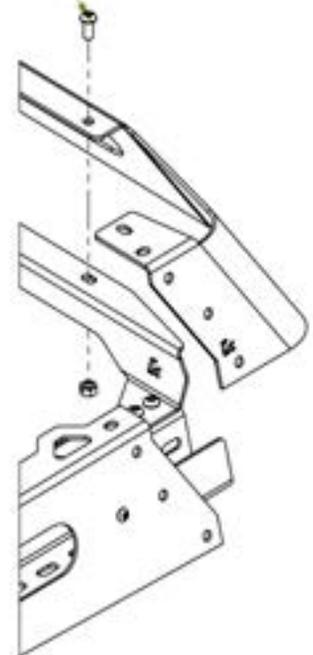


## 4 REAR FASCIA MOUNTING

Attach rear fascia as shown with 5/16" bolts and nuts.



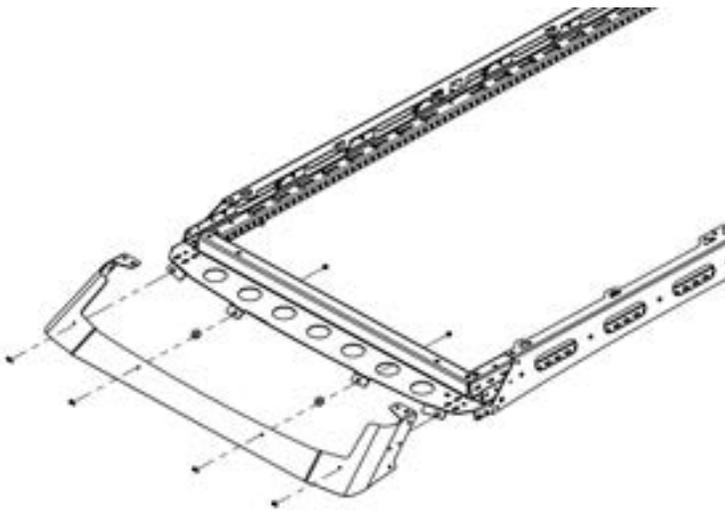
4X 3/8-16 x .75" BUTTON HEAD BOLT  
W/NYLOCK



## 5 FRONT FASCIA MOUNTING

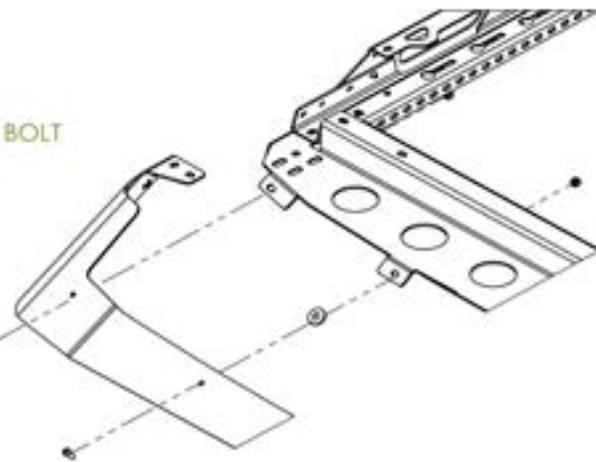
Attach the front fascia using 1/4" bolts. Use the provided round spacers to adjust the front fascia to match the curve of the roof when test fitting the roof rack during mounting.

NOTE: IF YOU HAVE A FASCIA WITH A LIGHT BAR CUTOUT, WE RECOMMEND INSTALLING THE LIGHT BAR PRIOR TO MOUNTING THE ROOF RACK.



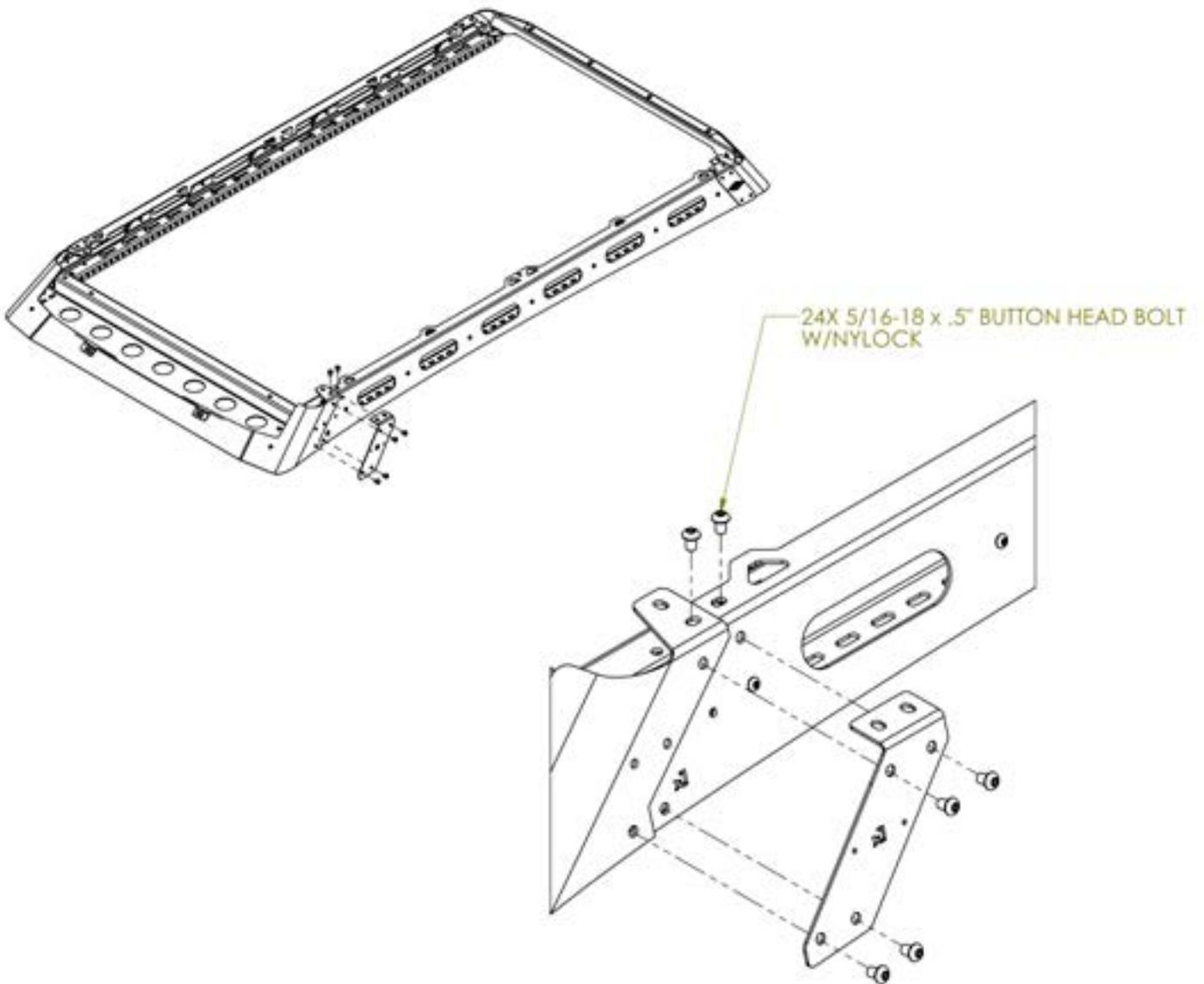
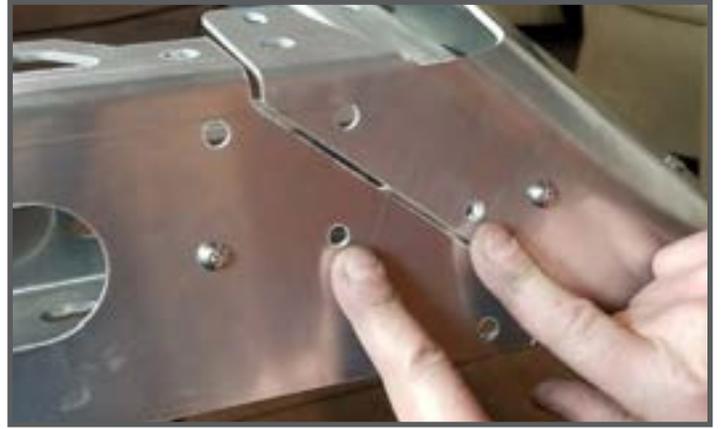
Install the weather stripping to the bottom of front fascia as shown and trim any excess.

4X 1/4-20 x .75" BUTTON HEAD BOLT  
W/NYLOCK



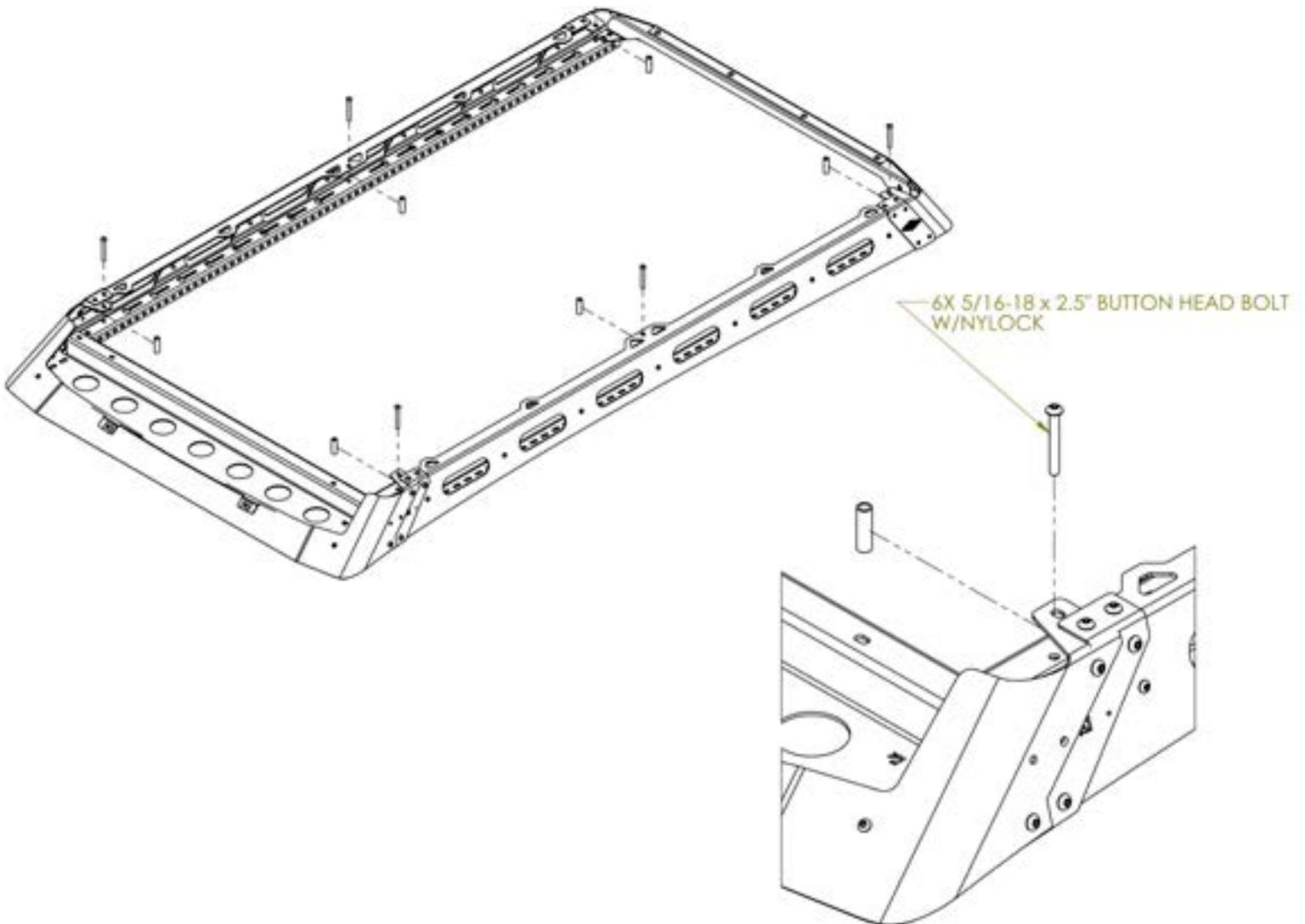
## 6 SEAM JOINERS

Mount both front and rear seam joiners with 5/16" hardware as shown top and bottom.



## 7 REINFORCEMENT SPACERS

Attach reinforcement spacers as shown on all 6 hole locations (3 each side) with the provided hardware.



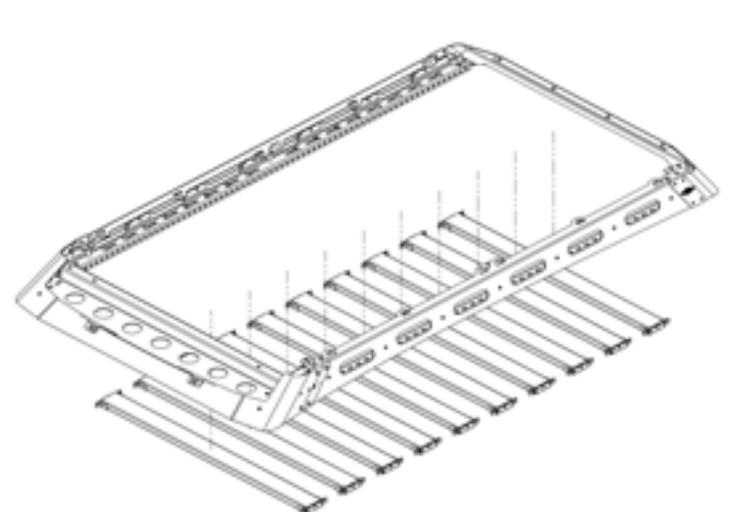
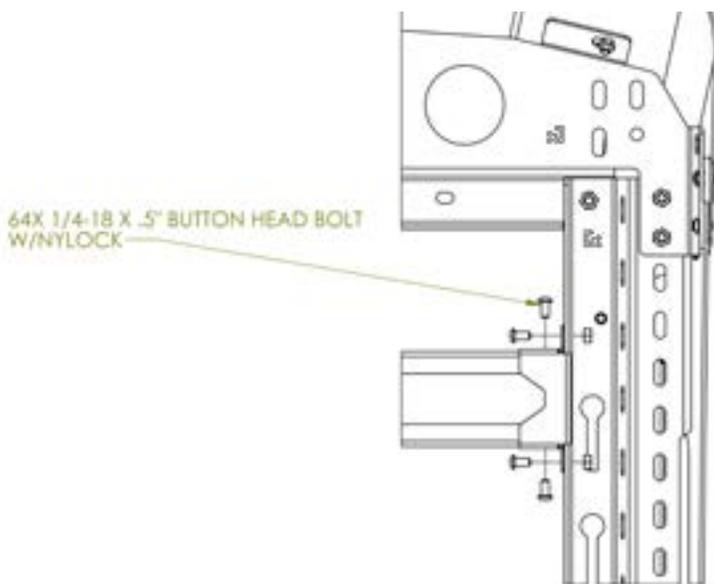
## 8 LOAD BAR ASSEMBLY

Assemble the load bars with the provided mounts using 1/4" bolts and nuts. Repeat for all load bars.



## 9 LOAD BAR INSTALLATION

Flip roof rack over and attach load bars as shown. Using provided nuts and bolts, you may begin tightening down each load bar with two bolts and nylocs for each side.



# ROOF RACK MOUNTS

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## 10 MOUNTING AREA

In preparation for attaching the roof mounts cut a foam strip to length of mount area and attach. It is recommended that you place 2 of the large (thicker) spacers over each the mounting location. Extra spacers are provided to level and shim the rack mounts as needed. Repeat this step for the other mounts.

Actual spacers types and counts may vary as not all vehicles are the same, use the combination of spacers and spacing that best fits your vehicle.



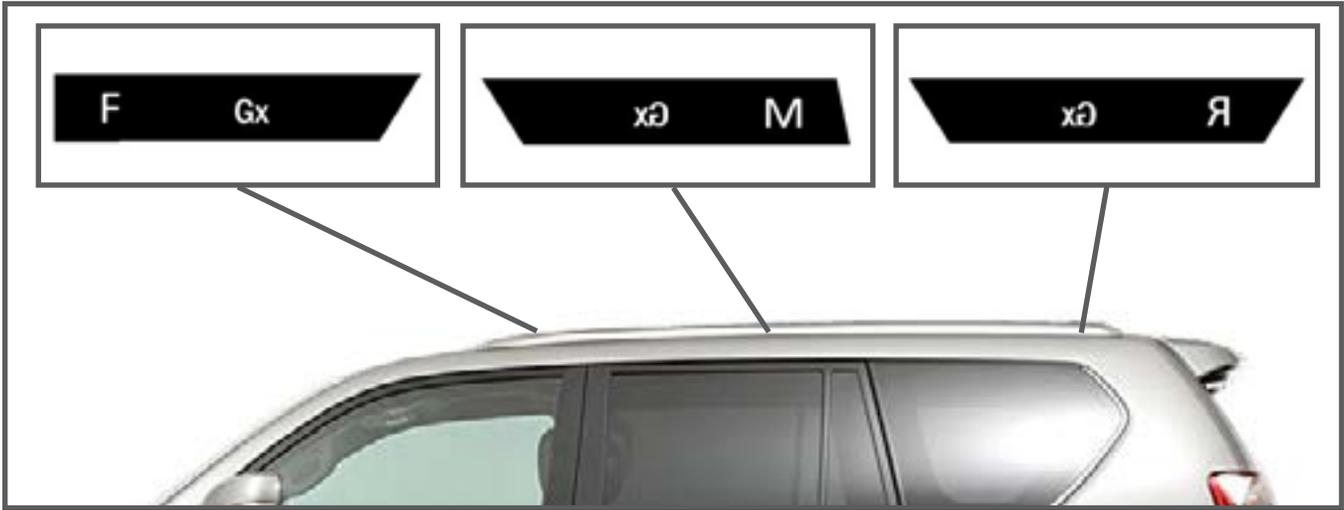
## 11 ROOF MOUNTS

Attach all roof mounts to the vehicle using the M8 bolt and washer hardware. Leave loose to provided adjustment as needed. The location and placement are shown on the next page. Once completed add the provided clip nuts to the top of each mount for attaching the roof rack.

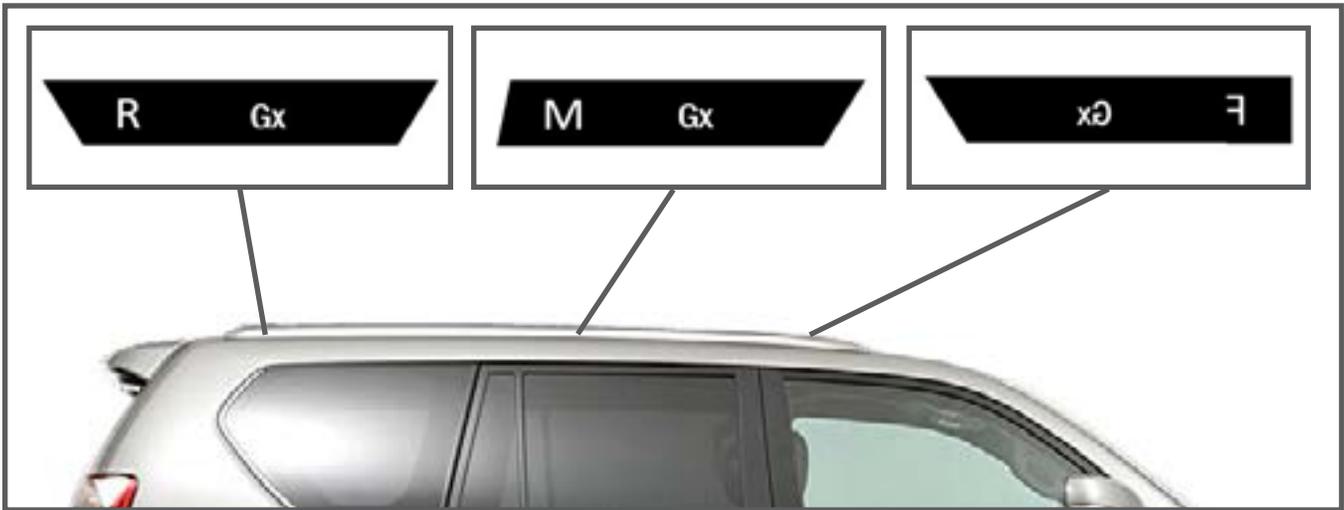


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ROOF MOUNTS CONTINUED



DRIVER SIDE



PASSENGER SIDE

FRONT BRACKETS - OPEN SIDES WILL FACE INWARD  
REAR AND MIDDLE BRACKETS - OPEN SIDES WILL FACE OUTWARD.

# ROOF RACK INSTALLATION

## 12 ROOF RACK MOUNTING

Place the roof rack onto vehicle with help of a friend and align with each bracket. Use the provided 5/16" bolts and washers for each mount hole location and tighten down roof rack to each bracket as shown below. Spacer kit may be used to level and adjust the roof rack. Tighten all hardware once completed.

