

MAXIMUS-3

JL WRANGLER 2-DOOR

MAXIMUS-3 JL 2-DOOR ROOF RACK SYSTEM

(with Rhino-Rack Pioneer Platform)

PART #: JL3004RR, JL3003RB

INSTALLATION GUIDES

Estimated Install Time: 6 Hours

THIS PRODUCT IS NOT COMPATIBLE WITH JL 4-DOOR.
THIS PRODUCT IS NOT COMPATIBLE WITH SOFT TOP ROOF.

PLEASE MAKE SURE YOU READ AND UNDERSTAND THE ENTIRE INSTALLATION GUIDE BEFORE YOU START.
WE EXPECT YOU TO HAVE BASIC MECHANICAL ABILITIES TO PERFORM THIS INSTALLATION.

WE RECOMMEND THAT YOU SEPARATE AND IDENTIFY ALL THE PARTS AND HARDWARE KITS YOU RECEIVED
WITH YOUR SHIPMENT BEFORE YOU PROCEED.



IMPORTANT

Follow these instructions precisely. Maximus-3 is not liable for any damage caused by improperly installed products. It is the purchaser's responsibility to ensure both the installation and maintenance are performed properly as set forth in this guide. We recommend using anti-seize paste on all non-thread lock bolts.

<u>Parts List</u>	<u>Qty</u>
Maximus-3 Roof Rack Legs	4
Front Inner Bracket Assy RHS	1
Front Inner Bracket Assy LHS	1
Rear Inner Bracket Assy RHS	1
Rear Inner Bracket Assy LHS	1
Maximus-3 Satellite Antenna Bracket	1
Rhino Rack Pioneer Platform Kit	1
Option: Maximus-3 Side Ladder	1-2
Option: Rhino-Rack Pioneer Rail Kit	1

<u>Option: Ladder Hardware Kit</u>	<u>Qty</u>
Top Kit:	
M8 Truss Head Bolts – Black Stainless	2
M8 Channel Nuts - Zinc	2
8 mm Washers – Stainless Steel	2
Bottom Kit:	
M8 Truss Head Bolts – Black Stainless	2
M8 Flanged Nylon Nuts – Stainless Steel	2
Interior Kit:	
M8 Truss Head Bolts – Stainless Steel	2
M8 Serrated Flange Nuts – Zinc	2
8 MM Flat Washers – Zinc	2

<u>Maximus-3 Hardware List</u>	<u>Qty</u>
LEGS to CROSS BARS:	
M10 x 25 Flanged Hex Bolts – Zinc	4
M10 Nut Plates – Zinc	4
LEGS to HARDTOP:	
M8 x 30 Sealing Bolts – Black Stainless	8
M8 Flange Lock Nuts – Stainless Steel	8
Rubber Gaskets/Washers	8

Tools Required

Metric Drive Sockets and Extensions
Metric wrenches/spanners
Metric Measuring Tape
Driller and Drill Bits
Metric Allen Key # 5
Masking or Painter's Tape

INTERNAL BRACKETS TO SPORT BAR:

Front Brackets

M8 x 25 Flanged Hex Bolts – Zinc	6
M8 x 20 Flanged Hex Bolts – Zinc	4

Rear Brackets

M8 x 25 Flanged Hex Bolts – Zinc	8
M8 Flanged Lock Nuts – Zinc	4

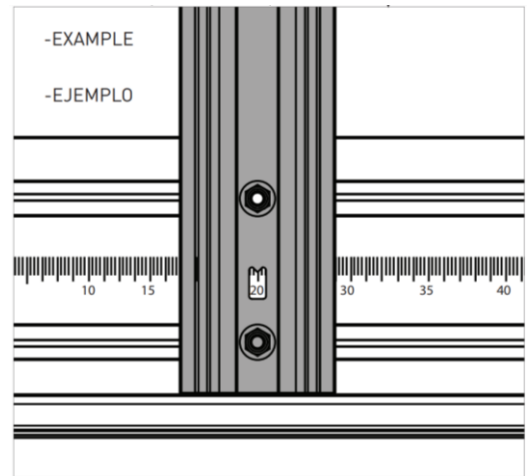
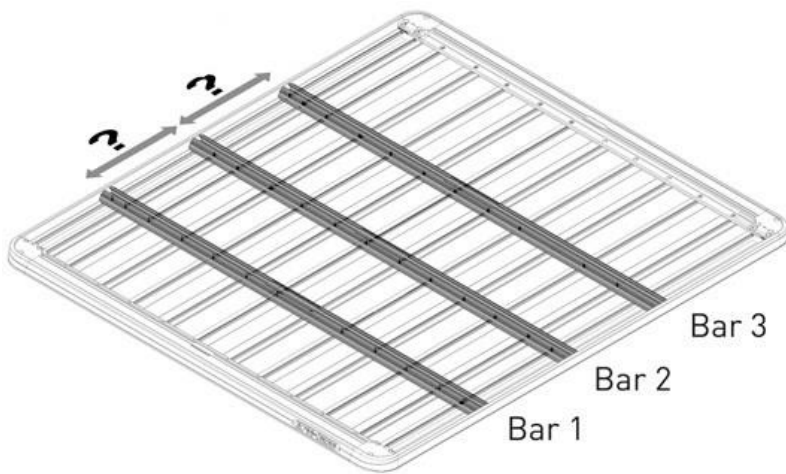


INSTALLATION STEPS

You may need a second person to help you put the preassembled platform on the Jeep as it can weigh 50lb – 65lb.

A- ASSEMBLE THE PIONEER PLATFORM

1. Assemble the Pioneer Platform using Hardware and Instructions provided with Rhino Rack platform kit. Step 1 - 12 of Rhino Rack instructions.
2. Lay the assembled Pioneer Platform upside down on a protective surface to avoid surface damage.
3. Attach platform crossbars according to IMPORTANT mounting locations as shown below.



FOR 52" PLATFORM:

- ✓ Crossbar #1 attaches in mounting location 48.5 CM (485 MM) mark on the numbered ruler scale on both sides
- ✓ Crossbar #3 attaches in mounting location 27.5 CM (275 MM) mark on the numbered ruler scale on both sides
- ✓ Crossbar #2 attaches evenly between crossbar #1 and crossbar #3 – or attach spaced as desired

FOR 60" PLATFORM:

- ✓ Crossbar #1 attaches in mounting location 58 CM (580 MM) mark on the numbered ruler scale on both sides
- ✓ Crossbar #3 attaches in mounting location 18 CM (180 MM) mark on the numbered ruler scale on both sides
- ✓ Crossbar #2 attaches evenly between crossbar #1 and crossbar #3 – or attach spaced as desired
- ✓ Crossbar #4 attaches evenly in the space in front of crossbar #3 – or attach spaced as desired

B- INSTALL MAXIMUS-3 ROOF RACK LEGS TO PLATFORM CROSSBARS

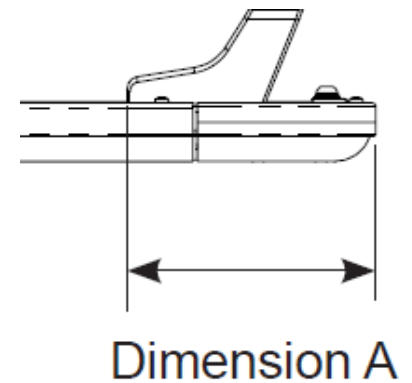
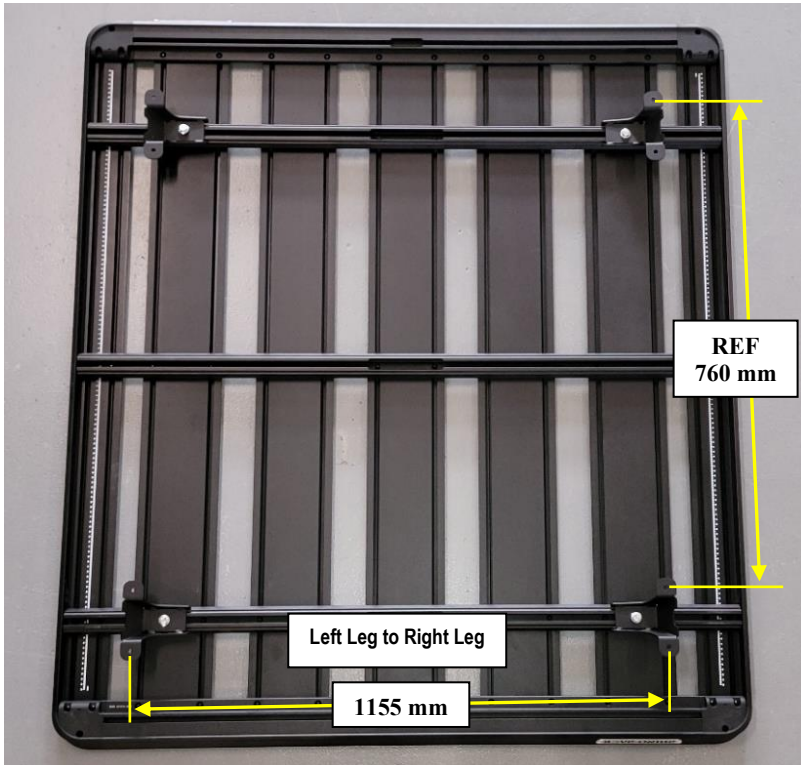
1. Loosely attach Maximus-3 Roof Rack Legs to crossbar #1 and crossbar #3 using the M10 Flange Hex Bolts and Channel Nuts provided - leave loose enough to adjust in the next steps.
 - Two Legs on Crossbar #1 (REAR of platform)
 - Two Legs on Crossbar #3 (FRONT of platform)



2. Measure and Adjust the Legs according to IMPORTANT final dimensions below.
 - **Distance between Front Leg and Rear Leg = 760 mm** measured from center to center of leg bolt holes, as shown below
 - **Distance between Left Leg and Right Leg = 1155 mm** measured from center to center of leg bolt holes, as shown below.

IMPORTANT:

- ✓ Left Legs to Right Legs must be symmetrically centered on the platform to the nearest 1/16 Inch (1.6mm). Dimension A Left = Dimension A Right.
- ✓ All four legs must be squarely placed on the platform – take diagonal “X” measurements to confirm squareness to nearest 1/8 Inch (3mm).
- ❖ Double check your measurements and tighten down all 4 legs. Torque to 22 ft.lb



PREP THE JEEP

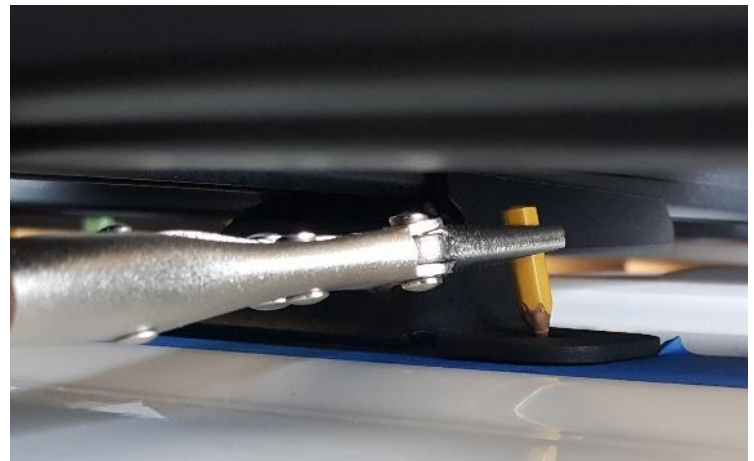
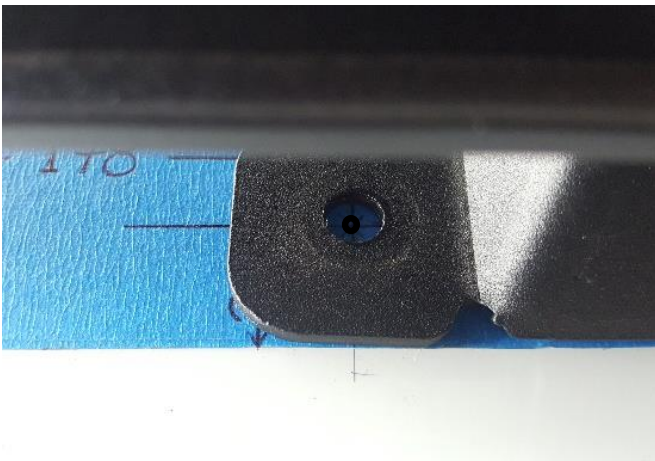
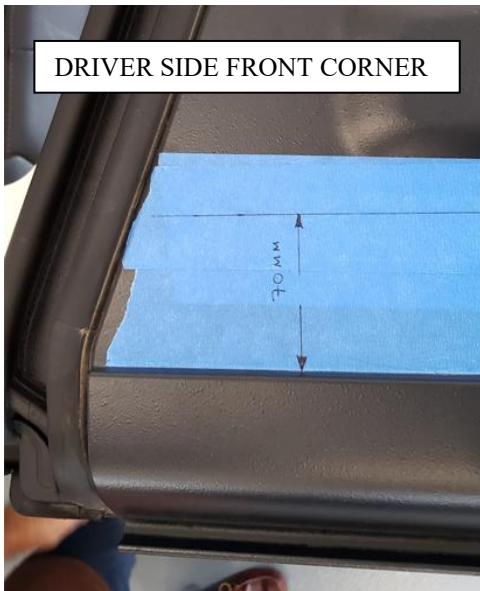
C- REMOVE THE SOUNDBAR AND TRIM PANELS

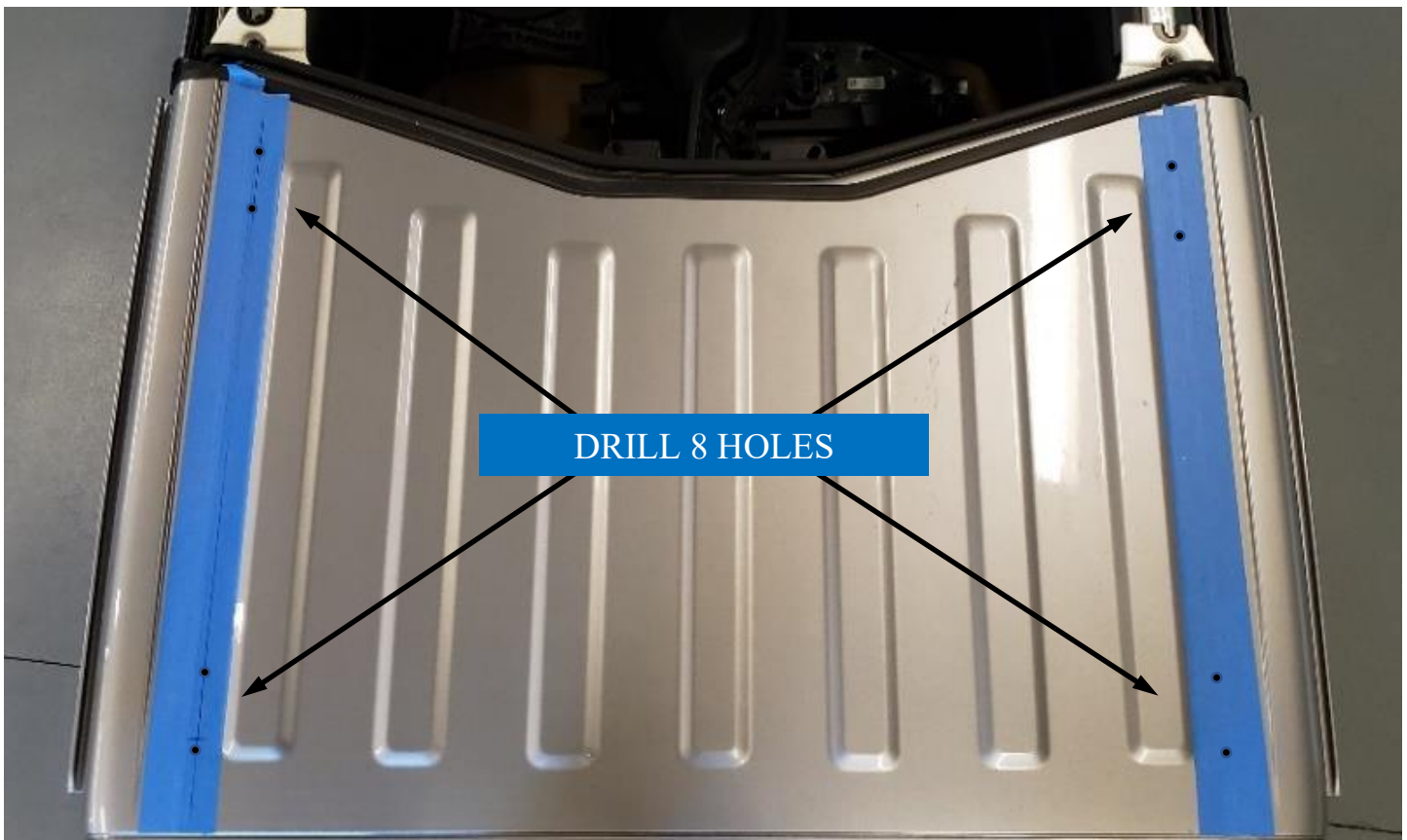
1. Remove all T-25 torx bolts from the Sports Bar plastic trim Pieces. Then carefully pull to release clips and remove trim panels.
2. Unclip all electrical harnesses from Soundbar and Antennas (4x harnesses in JL Rubicon)
3. Remove all six (6) Soundbar bolts, using a 10 mm socket/wrench.



D- DRILL HOLES IN HARDTOP FOR MOUNTING PLATFORM ASSEMBLY

1. Remove the Freedom Tops and place them on a protective surface.
2. Apply masking tape to the four corners of the hardtop as shown below. This will help when marking drill points and also to protect the hardtop during fitments.
3. **REAR MEASUREMENTS:**
Mark the rear-most drill location at **50 mm** from the hardtop joint line and **62mm** from outer raised edge as shown below. REPEAT on the other side.
4. **FRONT MEASUREMENTS:**
Measure and mark a line 70 mm from the outer raised edge of the hardtop – your line should be roughly parallel to the vehicle (passing through the rear mark)
5. With help from a second person, lift the Platform over the Jeep and carefully place it on the Hardtop
6. Carefully align the rear-most hole of Rear Platform Legs with the back drill point you marked in step (D3) above. Make sure all 4 legs sit on the hardtop with front legs holes closely lining up on the lines you marked in step (D4).
- ✓ **Double check before you mark your final drill points – adjust the legs if needed.**
7. Using a pencil, mark all drill points on the Hardtop through leg holes as shown below – 2 for each leg.
8. Carefully lift and remove the Platform from the hardtop.
9. With the Platform removed mark precise center points of the drill marks – total 8 drill points.
10. Drill pilot holes with a small drill bit and then drill 9 MM (3/8") final mounting holes – drill through headliners if you have, to use as reference for marking cutouts to clear the brackets later.
11. Remove masking tape from the mounting surface and clean the surface for final installation.





IF YOU ARE NOT INSTALLING SIDE LADDER(S) PLEASE PROCEED TO NEXT STEP (F).

E- DRILL HOLES FOR MAXIMUS-3 SIDE LADDER BRACKET

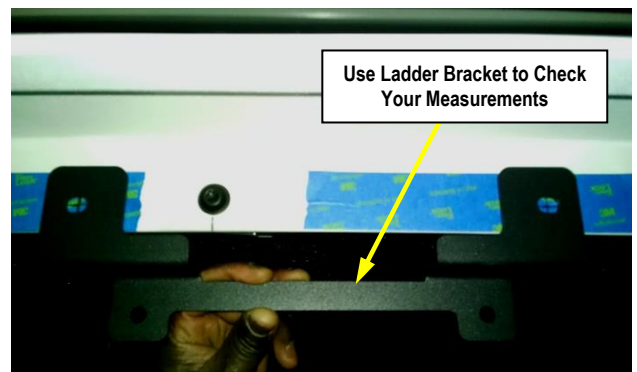
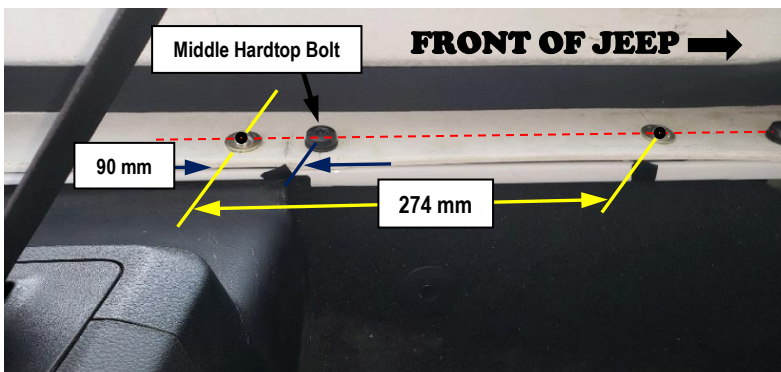
1. Mark a drill location for rear mounting hole **90 mm** from the middle Hardtop bolt and **20 mm** from the edge of Hardtop flange, in line with factory hardtop bolts.
2. Mark the front hole **274 mm** from the back hole you marked in step E1.
 - Use the Ladder Bracket to check/verify your marking measurements.
3. Drill pilot holes through the Hardtop and body sheet metal using a small drill bit then drill final holes with a **9 mm (3/8")** drill bit. Please refer to pictures below.



WARNING:

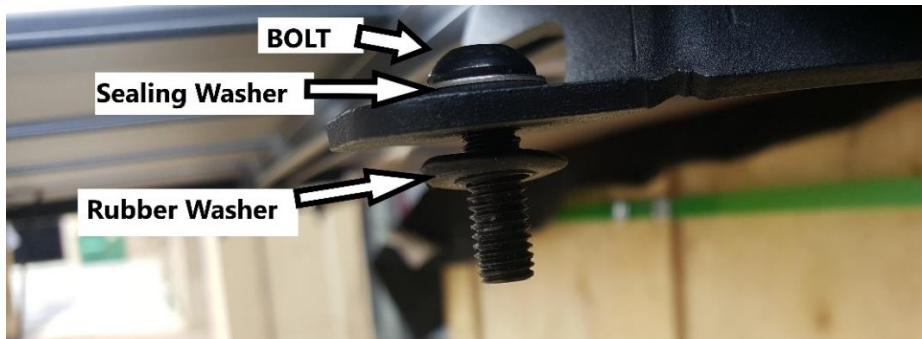
Avoid drilling into wires that run along the body tub under the plastic panels – do not drill deep.

4. Dust off drilling debris and clean with a vacuum cleaner. Touch up the inside of drilled holes with paint to prevent rust.



F- MOUNT THE PLATFORM ASSEMBLY ONTO THE HARDTOP

1. Insert legs Sealing Bolts (pre-assembled bolt + sealing washer) through the legs and add Rubber Washers as shown below. Do it for all four (4) legs.
2. With help from a second person, lift the Platform assembly and carefully place on the Hardtop. Carefully align all 8 mounting bolts with the holes you drilled in the hardtop in step D10.

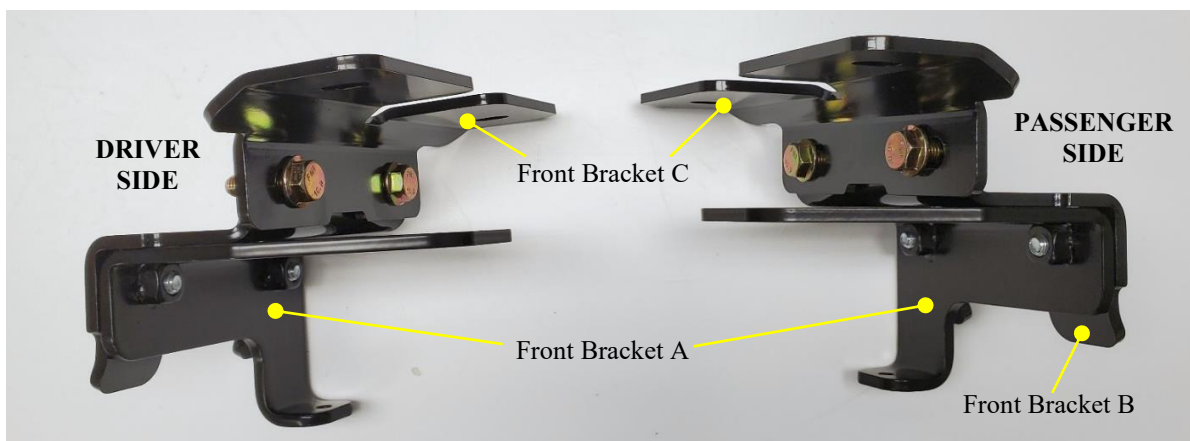


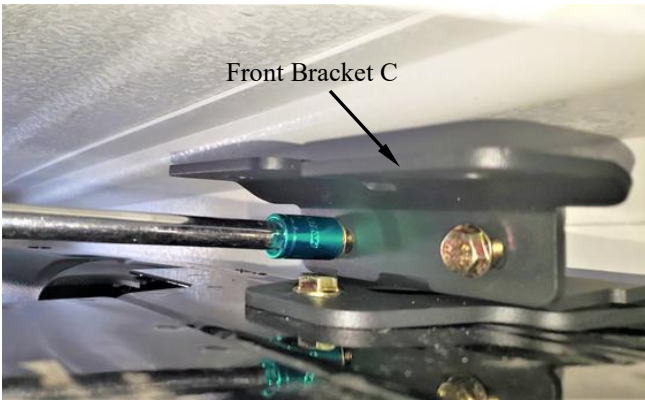
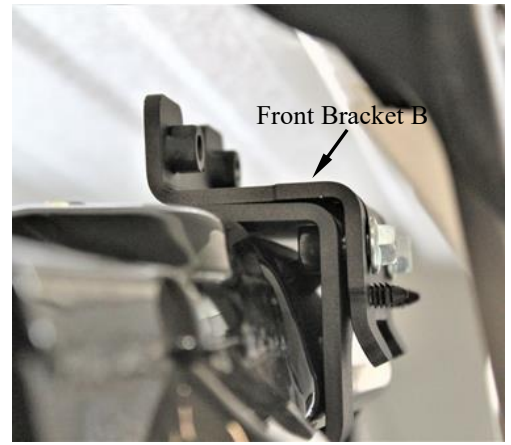
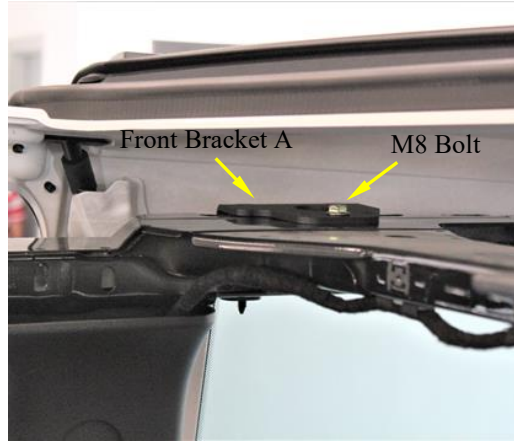
G- INSTALL MAXIMUS-3 FRONT INTERIOR BRACKET ASSEMBLIES

1. Identify the Left side and the Right side of internal brackets. Refer to picture below. Separate the parts A, B and C from each other - note how parts are assembled, also note location of bolts.
2. If you have headliners, remove and make cutouts to clear top brackets such that the brackets sit directly against the hardtop.
3. Unbolt the Hardtop – there are 2 bolts up in front at freedom tops joints, and 6 bolts along the sides.
4. With help from a second person prop up the front of the Hardtop and hold up with spacers such as padded blocks of wood as shown below.
5. Slide bracket A in place over sport bar brace plate, align to threaded mounting hole and bolt down using M8 flanged bolt provided, as shown below. Repeat on the other side and tighten the bolts.
6. Place bracket B over bracket A, align mounting points on the side and bolt down using 2 zinc M8 flanged bolts provided as shown below - make sure the brackets are seated flat against each other. Repeat on the other side and tighten the bolts.
7. Place bracket C to bracket B as shown below - make sure the bends point inwards of the Jeep and the lower surface points to the front of the Jeep such that the bracket sits flat on fiber glass surfaces.
8. Insert 2 M8 flanged bolts, thread the bolts on, but leave loose for now to allow adjustment.

IF YOU ARE INSTALLING SIDE LADDER(S) SKIP TO NEXT STEP (H), OTHERWISE CONTINUE (9).

9. Remove the wooden block and lower the hardtop back in position making sure that all 4 front leg bolts are lining up with holes in top front brackets C. Make sure the bracket is not sitting on the headliner.
 10. Re-install the Hardtop bolts – total 8 factory bolts.
 11. Now tighten front leg bolts using flange lock nuts supplied – you will need a second person to hold the leg bolts from top with an Allen Key while you tighten the nuts from inside. Torque all 4 bolts to **9 ft.lb.**
 12. Using 13 mm socket, extension and ratchet tighten all 4 yellow hex bolts holding brackets B and C.
- ✓ *Inspect all front brackets fitment and make sure all bolts are tightened.*

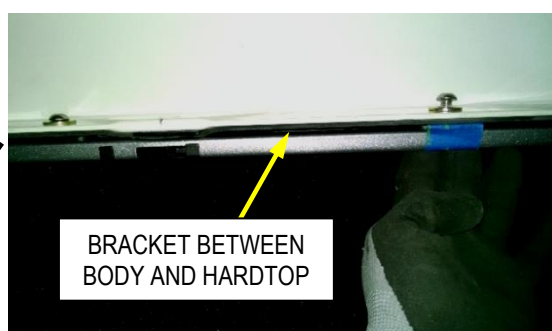
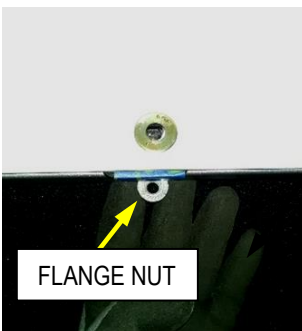




IF YOU ARE NOT INSTALLING SIDE LADDER(S) SKIP TO NEXT STEP (I)

H- OPTION: INSTALL MAXIMUS-3 SIDE LADDER BRACKET

1. With the hardtop still propped up as directed in step G3, insert the Ladder's bottom support bracket between hardtop and the body tub. Align mounting holes in the bracket to the holes you drilled in step E3. You may use tape to temporarily hold the bracket in place.
2. Lower the hardtop back in position. Make sure the ladder bracket is in place and holes are lining up. *Also make sure that all 4 front leg bolts are lining up with holes in top front brackets C.*
3. Bolt the ladder bracket down using M8 bolts, flat washers and serrated flanged nuts supplied. Tighten the bolts.
4. Re-install the Hardtop bolts – total 8 factory bolts.

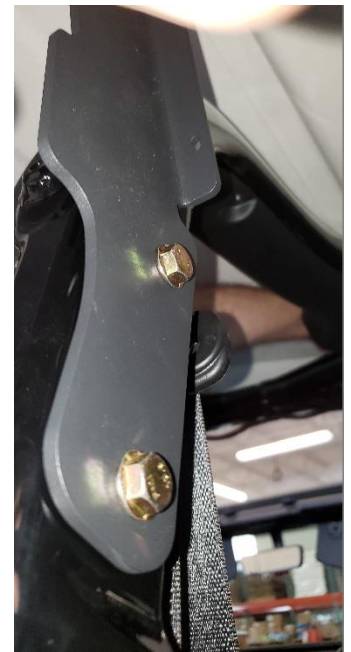


FINISH INSTALLING FRONT BRACKETS

5. Now tighten top leg bolts using the flange lock nuts supplied – you will need a second person to hold the leg bolts from top with an Allen Key while you tighten the nuts from inside. Tighten all 4 bolts to **9 ft.lb**
 6. Using 13 mm socket, extension and ratchet tighten all 4 hex bolts holding brackets B and C.
- ✓ *Inspect all front brackets fitment and make sure all bolts are tightened.*

I- INSTALL MAXIMUS-3 REAR INTERIOR BRACKET ASSEMBLIES

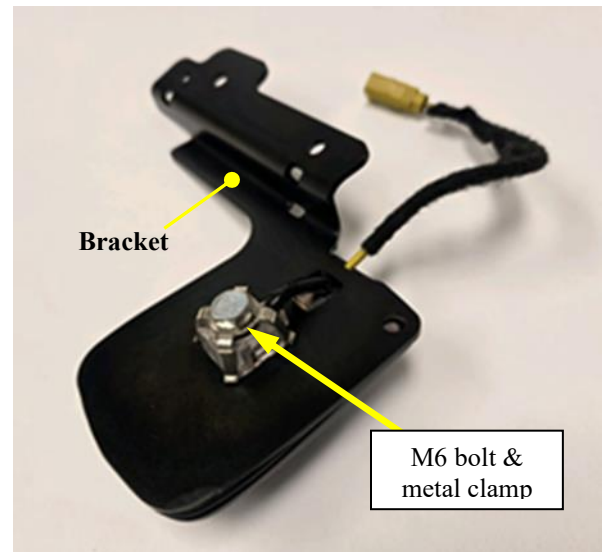
1. Identify the Left side and the Right side of internal brackets. Refer to picture below. Slightly loosen the 2 bolts holding bracket A and B together, but do not separate.
 2. Slide the top part of the rear bracket B through the two leg bolts and hold up against the fiber glass. Note that bent part of the bracket points inwards of the Jeep. Refer to picture below.
 3. Align the bottom of bracket A to factory threaded mounting holes in the side of the sports bar and bolt down using 2 yellow M8 flanged bolts supplied – adjust the bracket and tighten the two bolts using 13mm socket.
 4. Now tighten top leg bolts using flange lock nuts supplied – you will need a second person to hold the leg bolts from top with an Allen Key while you tighten the nuts from inside. Make sure the bracket is not sitting on the headliner. Tighten all 4 bolts to **9 ft.lb**
 5. Using 13 mm socket/wrench tighten all 4 yellow hex bolts holding brackets A and B together.
- ✓ *Inspect all front brackets fitment and make sure all bolts are tightened.*



J- RELOCATE SATELLITE ANTENNA

Satellite Antenna is located above the sport bar, where you removed the sound bar.

- ❖ Please refer to up-to-date installation instructions included with Maximus-3 antenna bracket kit.
- 1- Unbolt the Satellite Antenna and separate its wire from other wires by removing the tape holding them together. Go towards the B-pillar.
 - 2- Separate the antenna wire from the other wires by removing the tape holding them together. Free enough wire to relocate the satellite antenna to the front windshield frame (near driver's side sun visor)
 - **For 2024 models with side airbags:**
Peel the antenna wire down the B-pillar and along the door sill to free enough wire to reach the mounting area on the windshield frame.
 - 3- Pre-assemble your antenna to the Maximus-3 bracket using the short M6 bolt supplied as shown in the pictures below. You can also use the factory bolt.
 - 4- Using the thick washer as a spacer between bracket and windshield frame, install the Antenna Relocation Bracket to the hole on the windshield frame with the longer M6 bolt, washer, and flange nut.
 - 5- Connect the antenna and tuck the wire behind the trim panels.



Please note: If you experience bad satellite/radio reception, remove the antenna from the bracket and reinstall it with the plastic side (rounded side) facing up on the bracket as shown below.

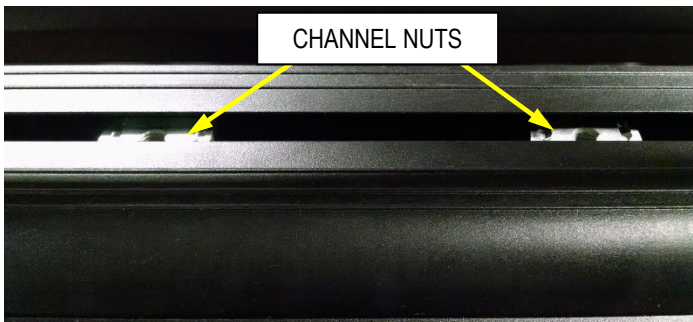


K- REINSTALL SOUNDBAR AND FACTORY PLASTIC TRIM PIECES

1. Attach electric connectors and bolt the soundbar back in place.
2. Trim the corner of B-pillar trim pieces using a pair of scissors/snips. This cut is needed in order to prevent interference with front bracket A.
3. The plastic trim pieces will clip back into place.

L- OPTION: INSTALL THE SIDE LADDER

- A. Insert two M8 Channel Nuts in the side bar of the platform, through the access slots. Refer to the pictures below.
- B. Place the Ladder over the side bar, align Channel Nuts and loosely thread on the short M8 Stainless Steel Bolts and Washers.
- C. Align the bottom of the ladder to the holes on the Ladder Bracket you installed in step (2) and loosely connect with M8 Stainless Steel Bolts, Washers and flange nuts.
- D. Make sure that the Ladder sits flat on the Platform side bar and tighten all bolts.
- Push onto the ladder back leg to help align the holes.



Your installation is complete. If you have questions regarding this installation, please contact us at customerservice@maximus-3.com, or call 248-6061745

WARNING

We offer a **Limited Warranty** on products engineered and manufactured by **MAXIMUS-3**.

Our **Warranty** covers all workmanship, material, and paint/finish defects for a period of 1 year (12 months) from the time of initial purchase.

All Maximus-3 aftermarket products and components must be installed as the manufacturer instructs. Maximus-3, LLC will not be responsible for any modification, improper installation, alteration, tampering, neglect, abuse or misuse of our products. Only use Maximus-3 installation guide to add, alter, or fabricate factory parts to incorporate Maximus-3 products. We will be happy to answer any questions concerning the design, function, and correct use of our products by calling 248-821-6654. It is ultimately the user's responsibility to have all fasteners properly retorqued after the first 100 miles and then every 3,000 miles thereafter. Tire carrier must be inspected for looseness every 1,000 miles. Using your vehicle off-road will put extreme stress on the vehicle and components. After driving off-road, always check for damage and wear to components, accessories, and equipment. Completely inspect your vehicle including wheels, tires, tire carrier, roof rack, and front set up. Check all threaded fasteners for looseness. Re-torque if necessary to the required specifications. Check and remove any accumulated dirt, mud rock, or debris to preserve powder coat finish/rust prevention.

MAXIMUS-3 provides detailed installation instructions for every product. It is the responsibility of the purchaser/installer to ensure these instructions are followed properly. MAXIMUS-3 will not be responsible for damage caused by misuse, altered, or improperly installed products. MAXIMUS-3 will not cover paint or labor costs for damaged items. The warranty is not transferable and covers all items ordered on or after December 1, 2012, with a valid original receipt. The warranty covers all components manufactured by MAXIMUS-3 unless otherwise specified on individual product listings.

3-Year Manufacturer Warranty

Maximus-3 products are warranted to be free from structural defects. All metallic components will carry a 3-year manufacturer structural warranty. All warranty claims shall be issued in replacement of the original part or in-store credit. No refunds will be issued in cash, check or credit card payments.

ANY PACKAGES BEING SENT/RETURNED TO MAXIMUS-3 WITHOUT RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBERS WILL BE REFUSED AND RETURNED TO SENDER.

RETURN POLICY

(Procedures for Returning or Exchanging Product)

PRODUCT MUST BE RETURNED TO THE ORIGINAL PLACE OF PURCHASE – Please refer to your original invoice.

Returns and Exchanges

At MAXIMUS-3, we strive to get your order to you complete, undamaged, and 100% correct. Your satisfaction is guaranteed. Products can be returned within 15 days of shipment if they are unused, uninstalled, unpainted, and in new and saleable condition. Returned products need to be in their original packaging with all parts and instructions included. All returns of non-defective, non-damaged or special-order parts are subject to a 15% restocking fee unless we made an error.

All returns require a "Return Merchandise Authorization" (RMA) number from MAXIMUS-3 or one of our Distributors.

Whether we have made an error, you wish to exchange something, or there is a warranty claim, an RMA number is required. This number must be written on the outside of the returned package. Please allow five (5) business days for refunds to appear on your credit card statement. **No returns will be accepted on modified "Custom" or "Special Order" items.** Item(s) must be received within 30 days of the RMA issue date; otherwise, the Return Merchandise Authorization will be voided.

Damaged Merchandise

Upon receiving your order, open the carton(s) and thoroughly inspect the contents. If any package arrives and shows signs of external damage, you may choose not to accept it. You may refuse it and require your seller to advise you of their procedure to follow. If there was damage during shipment, contact us so that a claim can be filed. Please keep all packaging materials should the carrier wish to inspect them.

Truck Freight Shipments

It is imperative to make a note of any damage on the delivery receipt at the time of delivery. **Open and inspect** the merchandise carefully **before** signing the delivery receipt. We can only initiate claims if the damage was noted at the time of delivery. Freight costs are all based on shipments to commercial addresses (with a dock), if you require shipment to a residential address, additional charges may be applied to the order total.

Products

Product specifications, availability, and pricing are all subject to change without notice. National, State, Provincial, or local laws and regulations may prohibit the removal or modification of stock vehicle components or the addition of some of our products for on-road use. It is the responsibility of the purchaser to ensure that the use of purchased products follows all laws and regulations.