

MAXIMUS-3



JL WRANGLER

MAXIMUS-3 JL ROOF RACK SYSTEM

(with Rhino-Rack Pioneer Platform)

PART #: JL3001RR, JL3002RR, JL3004RR

INSTALLATION GUIDES

Estimated Install Time: 6 Hours

THIS PRODUCT IS NOT COMPATIBLE WITH JL 2-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 TO DISASSEMBLE YOUR JEEP.



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 is 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>	OPTIONAL Ladder Hardware Kit: (per ladder)	<u>Qty</u>
Rhino Rack Pioneer Platform Kit	1	• M8 Truss Head Bolts – SS	6
Maximus-3 Platform Legs	3	• 8mm Washers – SS	4
Maximus-3 Platform Legs - Logo	1	• 8mm Washers – Zinc	2
Maximus-3 Front Inner Bracket Assy RHS	1	• M8 Lock Nuts - Zinc	2
Maximus-3 Front Inner Bracket Assy LHS	1	• M8 Flange Nuts – Zinc	2
Maximus-3 Back Inner Bracket Assy RHS	1	• M8 Channel Nuts – Zinc	8
Maximus-3 Back Inner Bracket Assy LHS Satellite	1		
(optional) Maximus-3 Side Ladder	1-2		
(optional) Maximus-3 Ladder Mount Bracket	1-2		

<u>Hardware Component List</u>	<u>Qty</u>	<u>Hardware Component List</u>	<u>Qty</u>
LEGS to CROSSBARS		BRACKETS TO SPORTSBAR	
M10 Bolts – Zinc	4	M8 x 30mm Hex, zinc	2
M10 Channel Nuts – Zinc	4	M8 Washers, zinc	2
LEGS to HARDTOP		M8 x 30mm Hex, zinc	2
M8 x 25 Hex Bolts – Yellow Zinc	8	M8 Flange Nut, zinc	2
M8 Lock Nuts	8	M8 washer, zinc	2
8mm Flat Washers – Zinc	8		
Rubber Washer/Gasket	8		

Tools Required

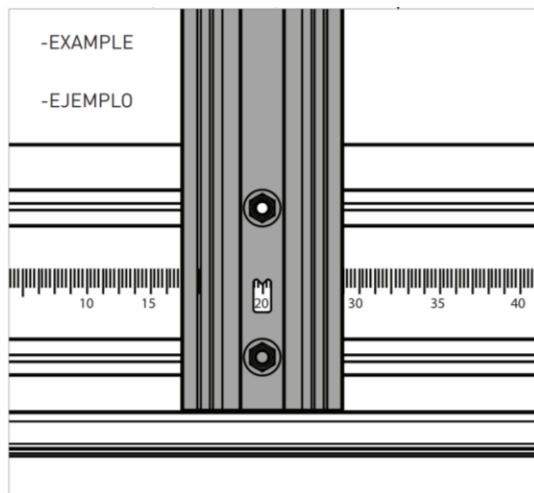
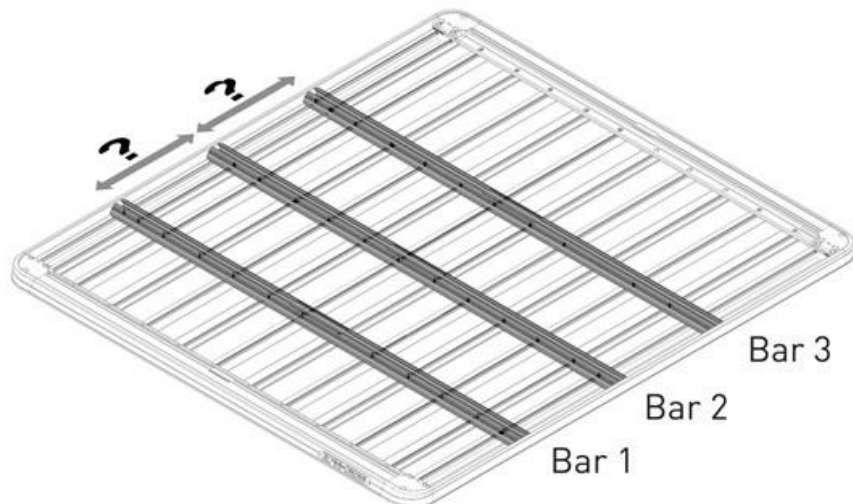
- Metric Drive Sockets
- Metric wrenches/spanners
- Driller and Drill Bits
- Metric Allen Key # 5
- Masking or Painter's Tape

INSTALLATION STEPS

Estimated Install Time: 6 Hours

A- ASSEMBLE THE PIONEER PLATFORM

1. Assemble the Pioneer Platform using Hardware and Instructions provided with Rhino Rack platform kit. (Step 1-12)
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 60" PLATFORM

- Crossbar #1 attaches in mounting location 50.0 CM (500 MM) mark on the numbered ruler scale on both sides.
- Crossbar #3 attaches in mounting location 51.5 CM (515 MM) mark on the numbered ruler scale on both sides.
- Crossbars #2 and #4 attach evenly in the space between and in front of crossbar #1 and crossbar #3 as desired.

FOR 76" PLATFORM

- Crossbar #1 attaches in mounting location 63.5 CM (635 MM) mark on the numbered ruler scale on both sides
- Crossbar #3 attaches in mounting location 38.0 CM (380 MM) mark on the numbered ruler scale on both sides
- Crossbars #2, #4 and #5 attach evenly in the space between and in front of crossbar #1 and #3 as desired.

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

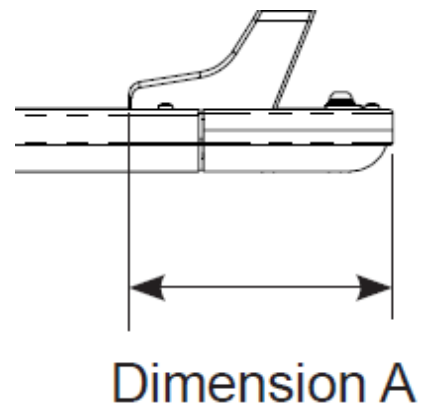
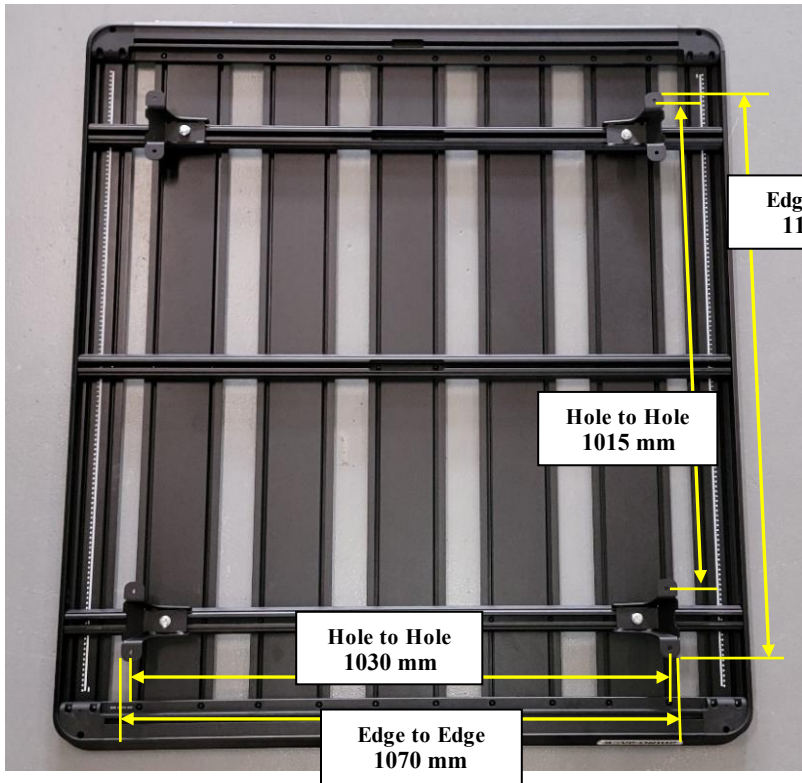
1. Loosely attach Maximus-3 Roof Rack Legs to crossbar #1 and crossbar #3 using the M10 Hex Bolts and Channel Nuts provided - leave loose enough to adjust in the next steps.
 - Two Legs on Crossbar #1 (REAR of platform)
 - Two Legs on Crossbar #3 (FRONT of platform)



2. Measure and Adjust the Legs according to IMPORTANT final dimensions below.
 - Distance between Front Leg and Rear Leg = 1015 mm measured from center to center of leg bolt holes, shown below
 - Distance between Left Leg and Right Leg = 1030 mm measured from center to center of leg bolt holes, 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

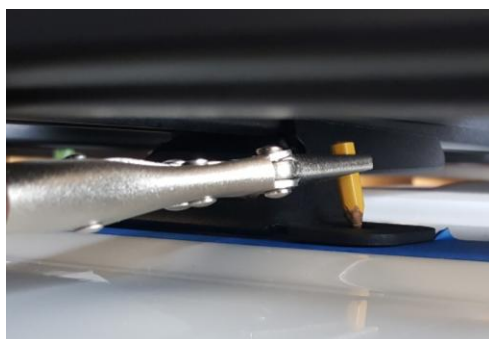
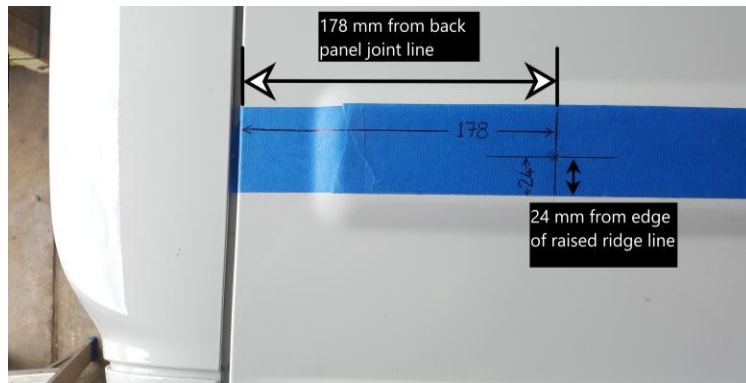
1. Remove all T-25 torx bolts from the plastic trim Pieces. Then carefully pull to release clips and remove trim panels.
2. Unclip all electrical wires/harnesses from Soundbar and Antennas (4x harnesses in JL Rubicon)
3. Remove all six (6) Soundbar bolts, using a 10 mm socket/wrench.



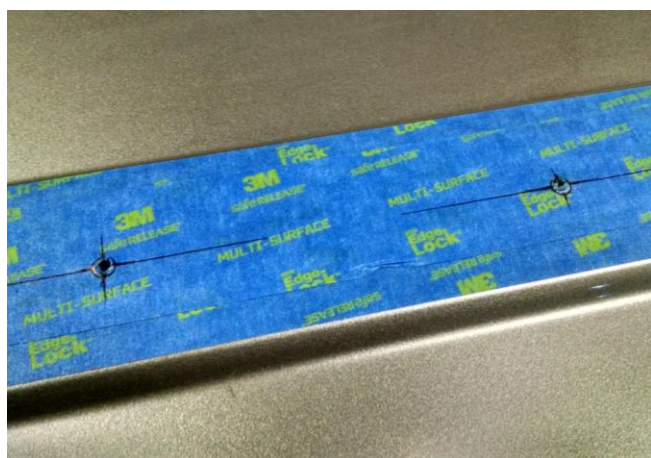
D- DRILL HOLES IN HARDTOP FOR MOUNTING PLATFORM ASSEMBLY

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 **178 mm** from the hardtop joint line and **24 mm** from outer raised edge as shown below, roughly in middle of raised ridge. REPEAT on the other side. See pictures on next page.
4. With help from a second person, lift the Platform over the Jeep and carefully place on the Hardtop .

5. Carefully align the rear-most hole of Rear Platform Legs with the back drill point you marked in step (D3) above. Make sure all four (4) legs sit well on the raised mounting surface. The holes should be 24 MM (1") from the outer edge of raised surface, roughly in the middle of the raised surface – refer to pictures below.
- ✓ **Double check before you mark your final drill points – adjust the legs if needed.**
6. Using a pen/pencil, mark all drill points on the Hardtop through leg holes as shown below – two (2) for each leg.



7. Carefully lift and remove the Platform from the hardtop.
8. With the Platform removed mark precise center points of the drill marks – total eight (8) drill points.
9. 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.
10. Remove masking tape from the mounting surface and clean the surface for final install.

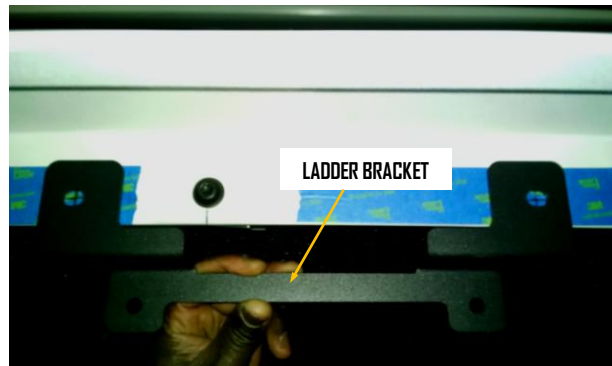
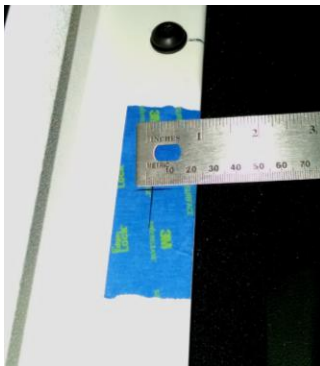


E- DRILL SIDE LADDER MOUNT BRACKET HOLES (sold separately)

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

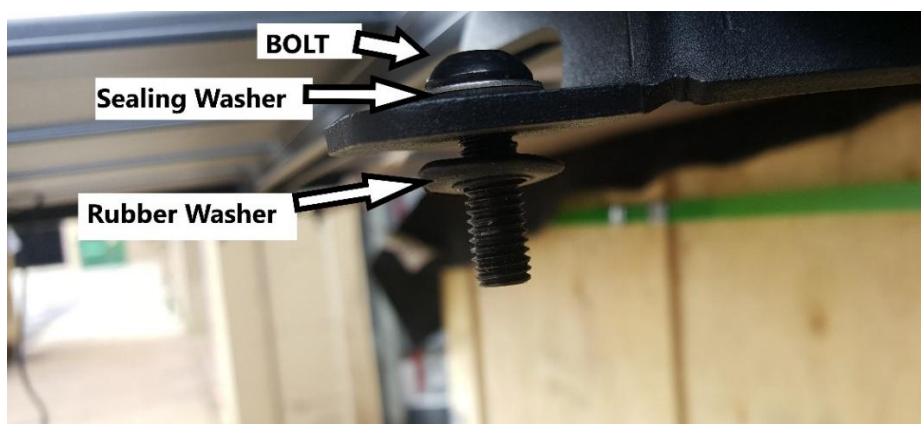
1. Mark the back-mounting hole location **60 mm from the middle of Hardtop mounting bolt** and **38 mm from the Hardtop wall** (or 20 mm from the Hardtop edge)
 2. Mark the front hole **274 mm from the back hole** you just marked. Use the Ladder Bracket to check/verify your marking.
- NOTE: Avoid drilling into wires that run along the body tub. If you drill deep you will drill into wires.** Carefully 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**. We recommend removing the side plastic panels so you can see where you are drilling.

3. Clean drilling debris and dust with a vacuum cleaner.



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 to pass through the holes you drilled in the hardtop in step D10.



G- INSTALL MAXIMUS-3 SIDE LADDER BRACKET

*IF YOU ARE NOT INSTALLING SIDE LADDER(S) PLEASE PROCEED TO **STEP (H)**.*

1. Unbolt the Hardtop – there are two (2) bolts in the front and six (6) bolts in the back.
2. With help from a second person lift front of the Hardtop and place padded wooden spacers between hardtop and body tub, as shown.
3. Insert the Ladder's bottom support bracket between hardtop and the body tub. Align the bracket holes to your pre-drilled holes. Use a piece of masking/painter's tape to temporarily hold the bracket in place.
4. Remove wooden block and seat the hard top. Make sure the ladder bracket is in place aligned with the predrilled holes.
5. Re-install the Hardtop bolts – two (2) bolts in the front and six (6) bolts in the back.
6. Bolt the Ladder Bracket to the body as shown using the bolts, washers and flanged nuts supplied.

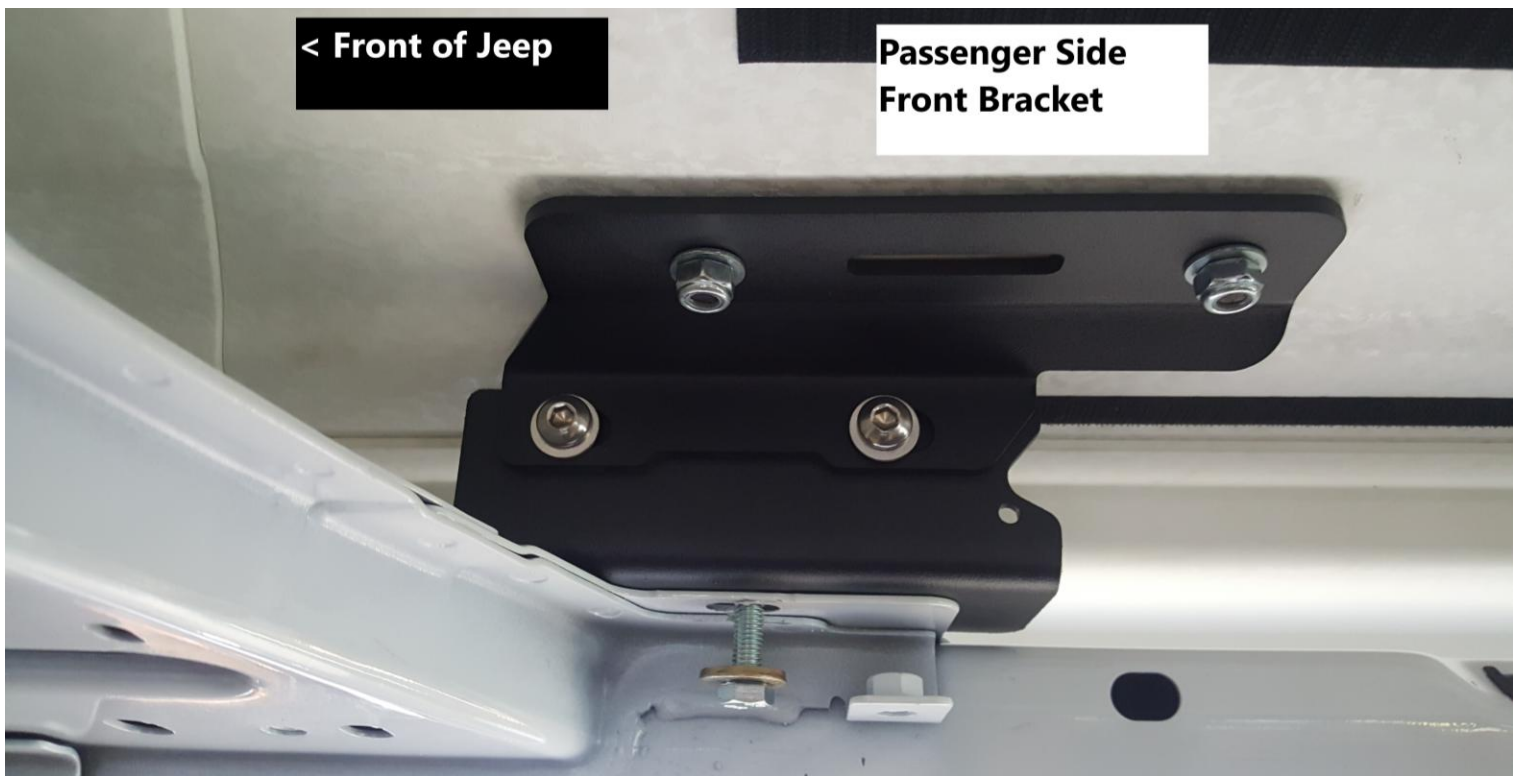




H- INSTALL MAXIMUS-3 INTERIOR BRACKETS

1. Remove the plastic trim piece from the rear of the sport bar. See picture below.
2. If you have headliners, remove and make cutouts to clear top brackets such that the brackets seat flat against hardtop.
3. **INSTALL THE REAR INTERNAL MOUNTING BRACKETS:** Loosen the two-part brackets to allow for adjustment. Seat the rear bracket against the sports bar. Insert and tighten the M8 x 30mm zinc bolt & washer into the factory threaded hole. Then tighten the top mounting bracket to the bolts passing through the roof. **Make sure the bracket is not sitting on the headliner.** **TORQUE TO 9 FT.LB.** Lastly tighten the two-part mounting bracket.
4. **INSTALL THE FRONT INTERNAL MOUNTING BRACKETS:** Loosen the two-part brackets to allow for adjustment. Seat the front bracket against the sports bar. Using the M8 x 30mm zinc hex bolt, washer, and flanged nut, bolt the bracket to the sports bar as shown. Tighten in this order: Lower bracket to sports bar, Upper bracket to bolts protruding through roof, then lastly the 2-part bracket. **Make sure top bracket is not sitting on the headliner.**





5. Trim a small section of the sports-bar trim piece: See pictures below.



I- OPTIONAL: 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. Un-bolt Satellite Antenna and separate its wire from other wires by removing the tape holding them together.
2. Free long enough wire to relocate the satellite antenna to front windshield frame (above driver side sun visor)
3. Pre-assemble your antenna to the bracket using the short M6 stainless bolt provided .
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.



J- REINSTALL SOUNDBAR AND FACTORY PLASTIC TRIM PIECES

1. Attach electric connectors and re-bolt the soundbar into place.
2. Reassemble plastic trim pieces - they will clip back into place.

K- INSTALL THE SIDE LADDER (OPTIONAL)

1. Insert two M8 Channel Nuts in the side bar through the access slot in the back. Refer to pictures bellow.
2. Place the Ladder over the side bar, align Channel Nuts and loosely secure with M8 Stainless Steel Bolts and Washers.
3. Align the bottom of the ladder to the holes on the Ladder Bracket you installed in step (G) and loosely secure with M8 Stainless Steel Bolts, Washers and Flanged Nuts.



4. Check that the Ladder seats well on the Platform side bar and tighten the bolts.
5. Align the bottom brackets and tighten using an Allen Key and a 13 MM ratchet – push on the ladder's back leg to align.



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.