

# MAXIMUS-3



JL WRANGLER

## MAXIMUS-3 JL ROOF RACK SYSTEM with Rhino Rack Pioneer Platform

### INSTALLATION GUIDE

**THE MAXIMUS-3 ROOF RACK SYSTEM IS NOT COMPATIBLE WITH JL 2-DOORS -or- SOFT TOP JL WRANGLERS**

Please read and understand the entire installation guide before you start. This installation 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.

#### Parts List

#### Qty

#### Tools Required

Rhino Rack Pioneer Platform Kit	1
Maximus-3 Platform Legs	3
Maximus-3 Platform Legs - Logo	1
Maximus-3 Front Inner Bracket Assy RHS	1
Maximus-3 Front Inner Bracket Assy LHS	1
Maximus-3 Back Inner Bracket Assy RHS	1
Maximus-3 Back Inner Bracket Assy LHS	1
Satellite	
(optional) Maximus-3 Side Ladder	1-2
(optional) Maximus-3 Ladder Mount Bracket	1-2

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

#### Hardware Component List

#### Qty

##### **LEGS to CROSSBARS**

M10 Bolts – Zinc	4
M10 Channel Nuts – Zinc	4
10 MM Flat Washers – Zinc	4

##### **LEGS to BRACKETS**

M8 Truss Head Bolts - Stainless Steel	8
M8 Lock Nuts	8
8mm Flat Washers – Zinc	8
Sealing Washers	8
Rubber Washer Gasket	8

##### **BRACKETS TO SPORTSBAR**

M8 x 30mm Hex, yellow zinc	2
M8 Washers, yellow zinc	2
M8 x 30mm Hex, zinc	2
M8 Flange Nut, zinc	2
M8 washer, yellow zinc	2

#### OPTIONAL Ladder Hardware Kit:

#### Qty

(per ladder)	
M8 Truss Head Bolts – SS	6
8mm Washers – SS	4
8mm Washers – Zinc	2
M8 Lock Nuts - Zinc	2
M8 Flange Nuts – Zinc	2
M8 Channel Nuts – Zinc	8

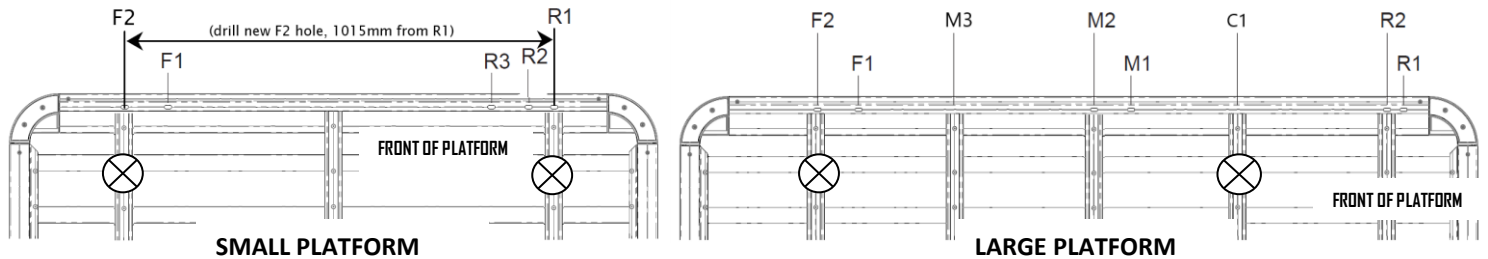
# INSTALLATION STEPS

## (A)- ASSEMBLE THE PIONEER PLATFORM

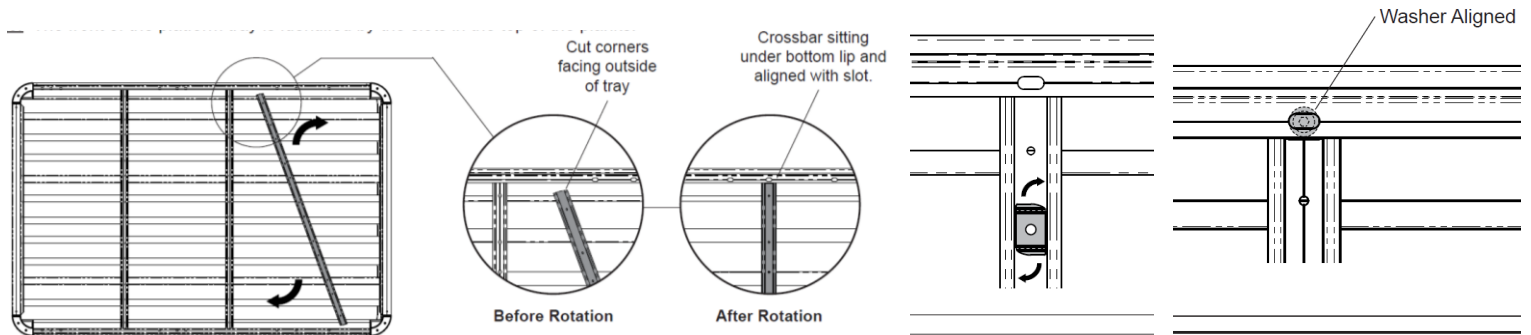
- A1.** Assemble the Pioneer Platform using Hardware and Instructions provided with the Rhino Rack platform kit.  
**A2.** Lay the assembled Pioneer Platform upside down on a protective surface to avoid surface damage.  
**A3.** Attach the Pioneer Platform's crossbars according to IMPORTANT sizes as shown below.

**Small Platform:** Mark new hole 1015mm from R1. Drill pilot hole then final hole M8 or 5/16" drill bit.  
Assemble the Crossbars to positions **F2 (new hole), M1, R1**, (4<sup>th</sup> crossbar can be installed)

**Large Platform:** assemble the Crossbars to positions **F2, M2, M3, C1, and R2**



- A4.** Insert the crossbars into the platform side bars and rotate into position as shown – note correct slots as marked below.  
**A5.** Place a channel nut in the crossbar as shown below and rotate 90 degrees. Arrange the bolts (Clamp Washer) as shown below and align to the mounting slots and fasten by hand. Repeat the same on all crossbars ends.  
**A6.** Center the crossbars over the slots and tighten the bolts with the Allen key provided.



**Note:** Refer to Rhino Racks installation guide for the install of the hardware (Step 2 – Insert Hardware).

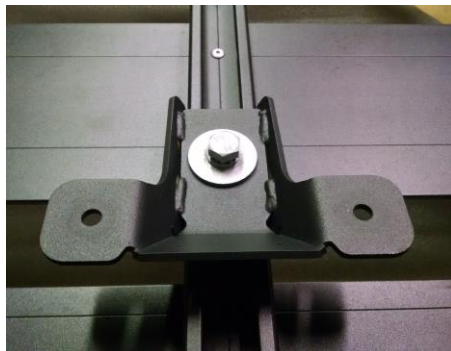
## (B)- FIT MAXIMUS-3 ROOF RACK LEGS TO THE PLATFORM

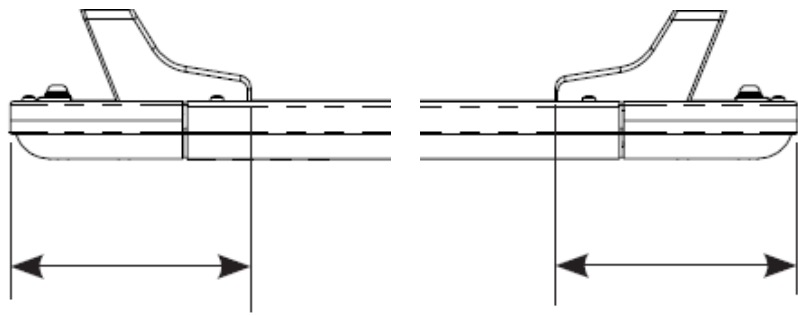
- B1.** Fit Maximus-3 Roof Rack Legs to mounting Crossbars as follow:

**Small Platform:** assemble the Legs to mounting Crossbar **F2 and R1** (center to center distance = **1015 mm**)

**Large Platform:** assemble the Legs to mounting Crossbar **F2 and C1** (center to center distance = **1015 mm**)

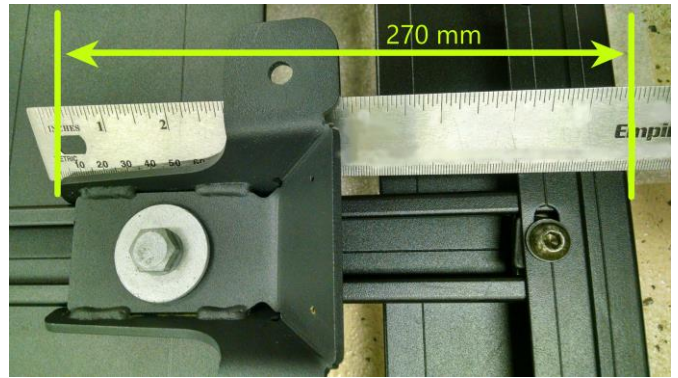
- B2.** Using the M10 bolts, Washers and Channel Nuts supplied, fit the Maximus-3 Roof Rack Legs to the Crossbars you fitted in step (A) as shown below - do not tighten for now and make sure the Channel Nuts rotate within the Crossbars as shown below.  
**B3.** Fit all 4 legs. As a rough reference set dimension, A to **270 mm** on all four Legs using 16 mm socket and ratchet – make sure the sides of the Legs are oriented with the Crossbars - do not tighten as you may need to adjust the measurements in step4.



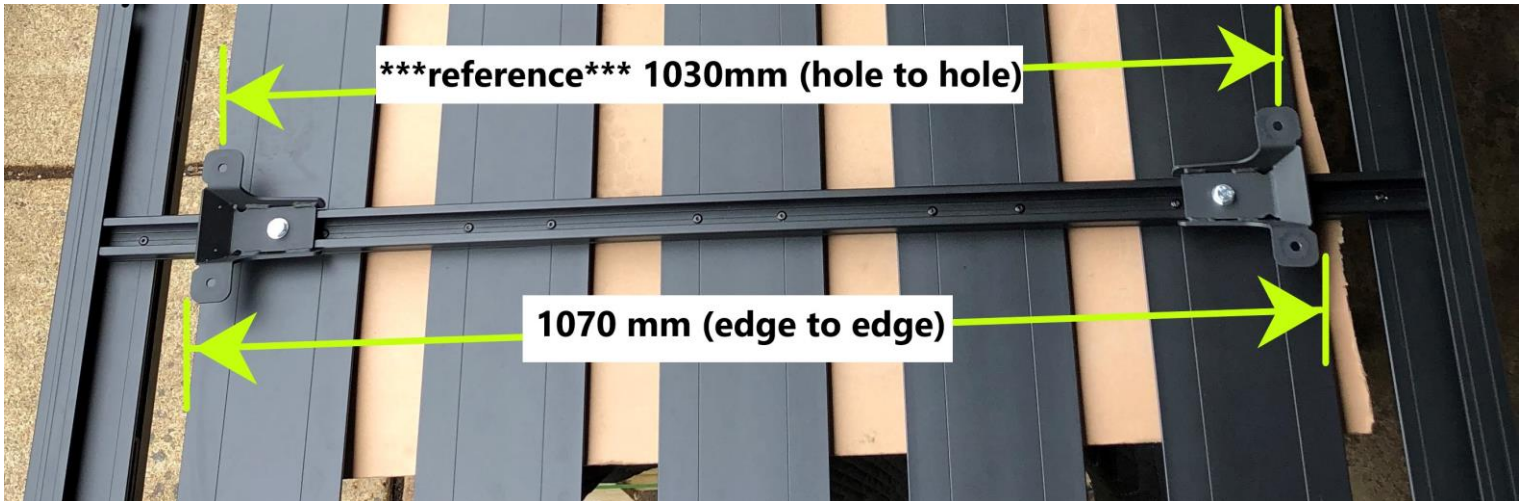
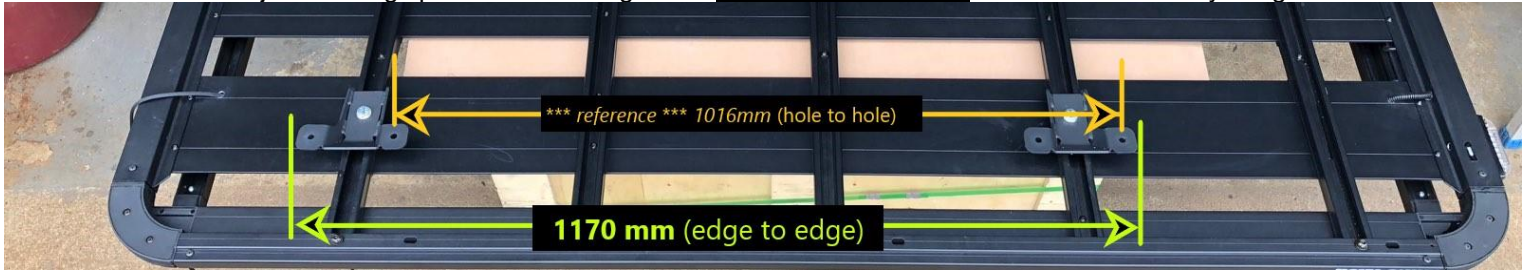


Dimension A

Dimension A



**B4.** Measure and adjust the Legs position according to the important dimensions below – make sure you tighten all 4 bolts.



### (C)- REMOVE SOUNDBAR

- C1. Remove the indicated Sports-Bar Trim Pieces, three per side. Remove all T-25 torx bolts, then pull to release clips.
- C2. Remove the Soundbar Trim Piece. Remove all T-25 torx bolts, then pull to release clips.
- C3. Unclip all electrical harnesses from soundbar and antennas (4x harnesses in our JL Rubicon)
- C4. Remove the six Soundbar bolts, using a 10 mm socket wrench.



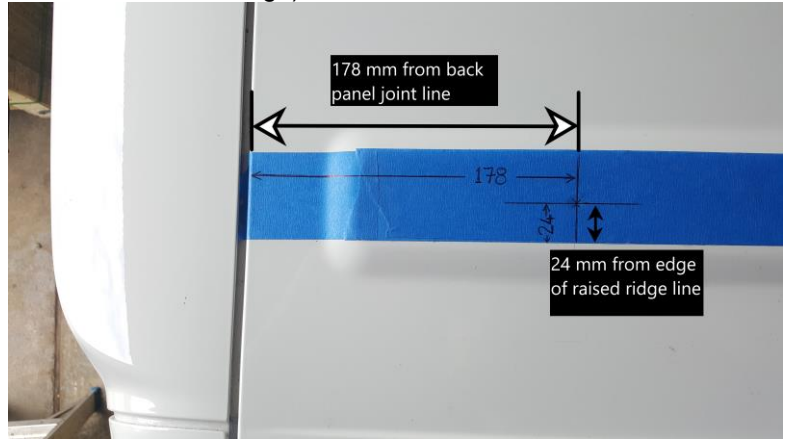
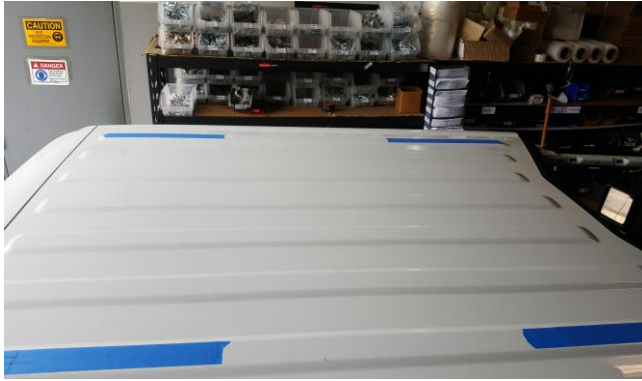


#### (D)- MARK HARDTOP MOUNTING HOLES

D1. Carefully remove the Freedom Tops and place on a protective surface.

D2. Apply masking tape to the outer raised ridges of hardtop. Used for marking drill points and protecting the hardtop during fits.

D3. Measuring from Hardtop rear joint line, mark the rear-most drill location at **178 mm** from the joint line as shown below and **24 mm** from outer edge of **raised** surface (approx. the middle of the raised ridge). **REPEAT on other side.**



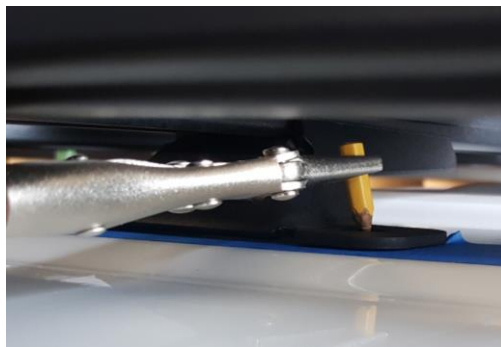
D4. With help from a second person, lift the Platform over the Jeep and carefully place on the Hardtop

D5. Carefully align the rear-most hole of back Platform Legs with the back drill point you marked in step (4) above. Make sure all 4 legs line up well on the raised mounting surface as shown below. The holes should be 24 MM (1") from the outer edge of raised surface – refer to pictures below.

D6. **Check your measurements and position of the Platform Legs multiple times before you mark your final drill points.**

D7. Using a pen/pencil, mark drill points on the Hardtop.

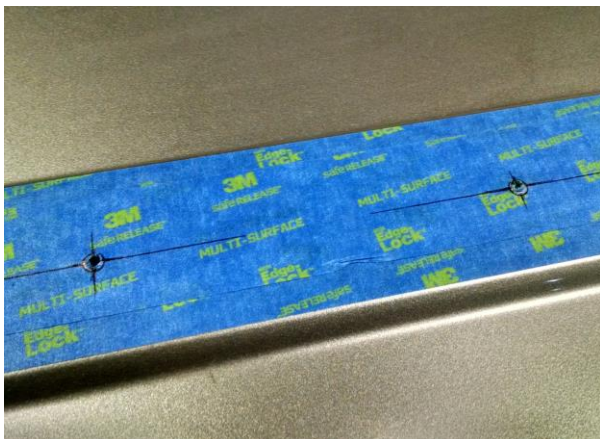
D8. Carefully lift and remove the Platform assembly and place on a protective surface. Reference hole to hole dimensions from step B4 (above)



D9. With the Platform removed mark precise center points of the drill marks – there 8 drill points.

D10. Drill pilot holes with a small drill bit and then drill 9 MM (3/8") final mounting holes – do not drill deep.

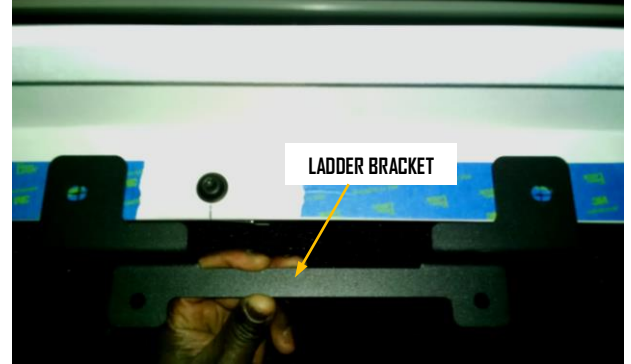
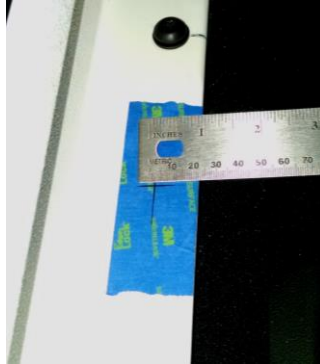
D11. Remove masking tape from the mounting surface and clean the surface for final install.



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

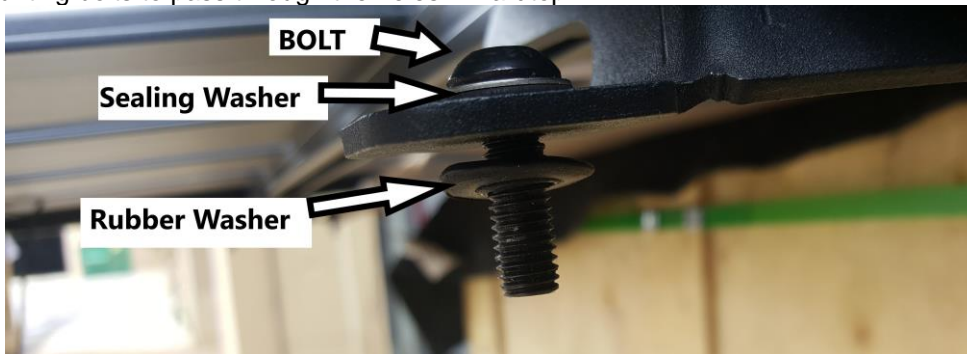
*IF YOU ARE NOT INSTALLING SIDE LADDER(S) PLEASE PROCEED TO **STEP (F)**.*

- E1.** Mark the back-mounting hole drill point **60 mm from the middle Hardtop mounting bolt** and **38 mm from the Hardtop wall** (or 20 mm from the Hardtop edge)
- E2.** Mark the front hole **274 mm** from the back hole you just marked. Use the Ladder Bracket to check/verify your marking.
- E3.** NOTE: Avoid drilling into wires the run along the body tub. Drill pilot holes through the Hardtop and sheet metal using a small drill bit then drill final holes with a **9 mm (3/8") drill bit**.
- E4.** Clean drilling debris and dust with a vacuum cleaner.



**(F)- MOUNT THE PLATFORM ASSEMBLY ONTO THE HARDTOP**

- F1.** Insert mounting Stainless-Steel Bolts, Sealing Washers and Rubber Washers through the bracket as shown.
- F2.** 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 in hardtop.



**(G)- INSTALL MAXIMUS-3 SIDE LADDER BRACKET (if not installing a side ladder, skip to step H)**

- G1.** Unbolt the Hardtop – there are 2 bolts in the front and 6 bolts in the back.
- G2.** If installing a SIDE LADDER: With help from a second person lift front of the Hardtop and place padded wooden spacers between hardtop and body tub, as shown.
- G3.** 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.
- G4.** Remove wooden block and seat the hard top. Make sure the ladder bracket is in place with the predrilled holes.
- G5.** Re-install the Hardtop bolts – 2 bolts in the front and 6 bolts in the back.
- G6.** Bolt the Ladder Bracket to the body as shown using the bolts, washers and flanged nuts supplied.



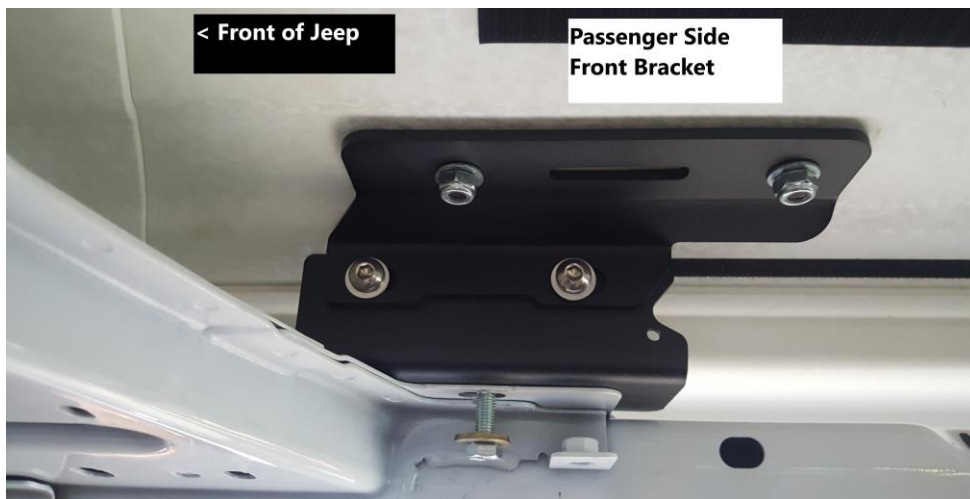




## (H) MOUNT INTERIOR BRACE BRACKETS

H1 Remove the center plastic trim piece from the rear of the sports bar.

H2. Identify and prepare Internal Mounting Brackets. Loosen the two-part brackets to allow for adjustment.



**H3. INSTALL THE REAR INTERNAL MOUNTING BRACKETS:** Seat the rear bracket against the sports bar. Insert and tighten the **M8 x 30mm yellow zinc bolt & washer** into the factory treaded hole. Then tighten the top mounting bracket to the bolts passing through the roof. Lastly tighten the two-part mounting bracket.

**H4. INSTALL THE FRONT INTERNAL MOUNTING BRACKETS:** Seat the front bracket against the sports bar. Insert the **M8 x 30mm zinc hex bolt, washer, and flange nut** through the hole in the sports bar. Tighten in this order: Lower bracket to sports bar, Upper bracket to bolts protruding through roof, then lastly the 2-part bracket.

**H5. Trim a small section of the sports-bar trim piece:** See pictures.



**(I) RELOCATE SATELLITE ANTENNA**

**I1.** Un-bolt Satellite Antenna and separate it's wire from other wires by removing the tape holding them together.

**I2.** Free enough wire to relocate the satellite antenna to front windshield frame (near driver's side sun visor)

**I3.** Install the Antenna Relocation Bracket to the hole on the windshield frame use the provided M6 bolt, washer, and flange nut.



**(J) REINSTALL SOUNDBAR AND FACTORY PLASTIC TRIM PIECES.**

**J1.** Attach electric connectors and re-bolt the soundbar into place.

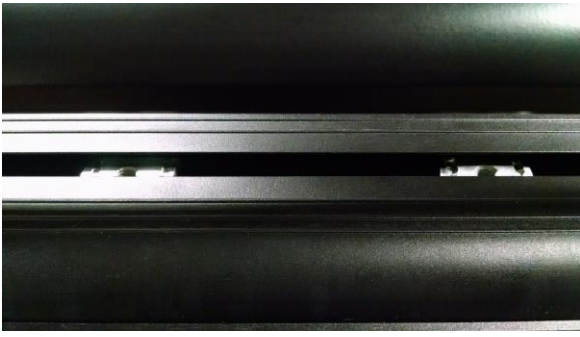
**J2.** The trim pieces will clip back into place.

**(K)- INSTALL THE SIDE LADDER (OPTIONAL)**

**K1.** Insert two M8 Channel Nuts in the side bar through the access slot in the back. Refer to pictures bellow.

**K2.** Place the Ladder over the side bar, align Channel Nuts and loosely secure with M8 Stainless Steel Bolts and Washers.

**K3.** Align the bottom of the ladder to the holes on the Ladder Bracket you installed in step (F) and loosely secure with M8 Stainless Steel Bolts and Washers.



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



Your installation is complete. If you have questions regarding this installation, please contact us at [info@maximus-3.com](mailto:info@maximus-3.com) or call 248 821 6654.



# MAXIMUS-3



## WARNING



### Limited Warranty

**We offer 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 damages caused by misuse, altered or improperly installed products. MAXIMUS-3 will not cover paint or labor costs for damaged items. Warranty is not transferable and covers all items ordered on or after December 1, 2012 with a valid original receipt.

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 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 as long as 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 purchase products follows all laws and regulations.