

MAXIMUM PRODUCT LOAD RATING: 100 kg 

IMPORTANT:

- **LOAD = WEIGHT OF PLATFORM or BARS + MOUNTING SYSTEM + ACCESSORIES + CARGO**
- **PLEASE REFER TO VEHICLE MANUFACTURER SPECIFICATIONS FOR MAX ROOF LOAD CAPACITY OF VEHICLE. THE LOWEST LOAD RATING APPLIES.**
- **OFFROAD RATING: SCAN QR CODE FOR LOCKNLOAD LOAD RATING GUIDE. REDUCTIONS MAY APPLY.**



FIRST TIME INSTALLATION

- Please read instructions carefully before installation.
- Check the contents of kit. Each LockNLoad RuggedLine has the last four digits of the kit's part number lasered in. Contact your YAKIMA dealer if any parts appear missing, incorrect or damaged.
- Clean your roof thoroughly prior to fitting the LockNLoad RuggedLine.
- Place these instructions in the vehicle's glove box after installation is complete.



TOOLS REQUIRED:

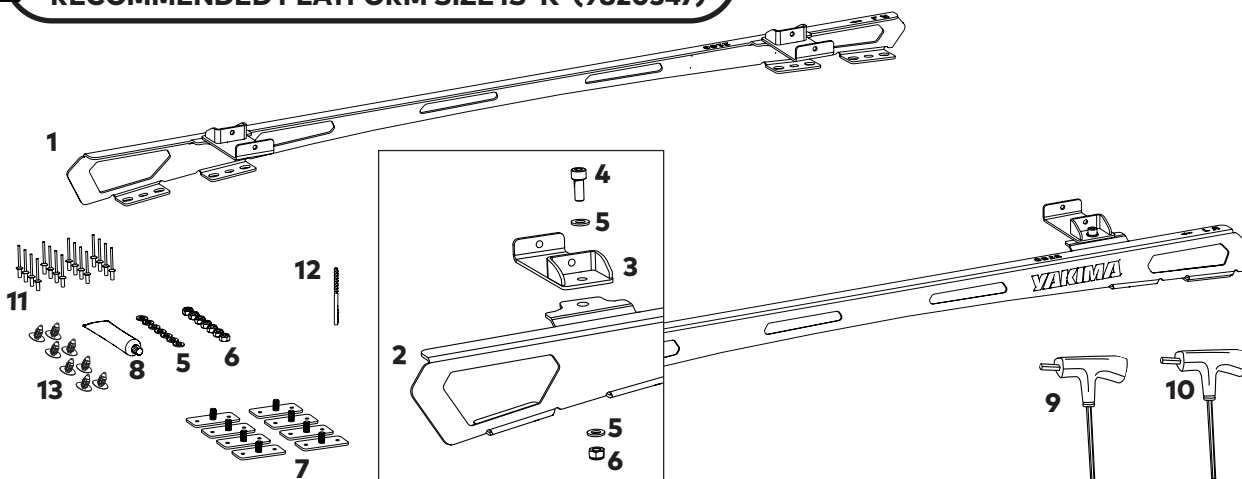
- Phillips Screw Driver
- Pliers
- Measuring Tape
- Marking Pen
- Power or Cordless Drill
- 3 mm Drill Bit
- 5 mm Drill Stop
- Vacuum Cleaner
- Zinc Rich Cold Galvanising Coating
- Rivet Tool
- 13 mm Spanner
- 10 mm Spanner
- Torque Wrench
- T25 driver

KIT CONTENTS

ITEM	COMPONENT	QTY	ITEM	COMPONENT	QTY
1.	T60MAX Ruggedline RH 2180	x1	7.	Mount Plate Assembly	x8
2.	T60MAX RuggedLine LH 2180	x1	8.	Silicone Sealant	x1
3.	Pivot Bracket	x4	9.	4 mm T-Handle Ball End Allen Key	x1
4.	M8 x 20 mm Socket Head Cap Screw	x4	10.	6 mm T-Handle Ball End Allen Key	x1
5.	M8 Washer	x16	11.	Ø4.8 x 13.5 mm Sealed Rivet	x16
6.	M8 Nyloc Nut	x12	12.	4.9 mm Single End Cobalt Drill Bit	x1
			13.	Barbed Push-In Plug	x8



PLATFORM & COMPONENTS SOLD SEPARATELY
RECOMMENDED PLATFORM SIZE IS 'K' (9820347)



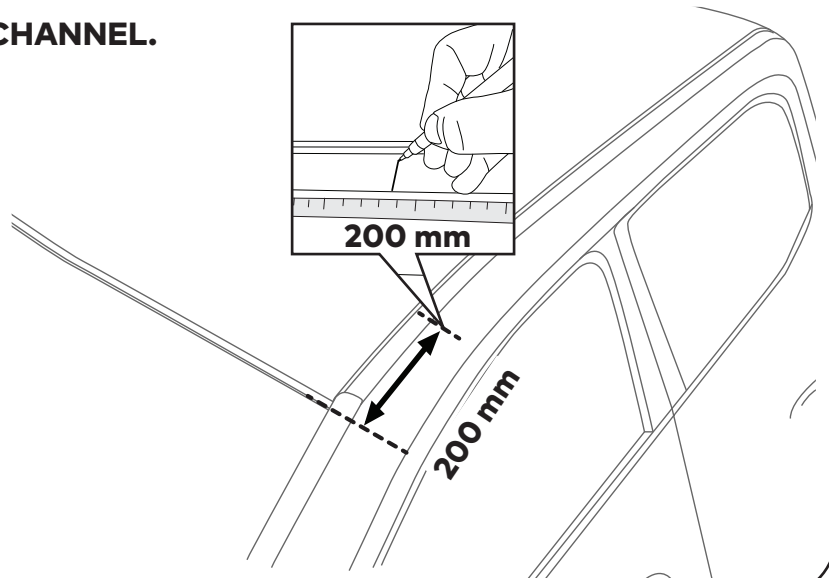
BARE ROOF VERSION ONLY

1

MEASURE AND MARK ROOF CHANNEL.

Using a measuring tape, measure 200 mm back from the start of the windscreen and mark measurement on both sides of the vehicle on the roof channel with a marking pen as shown.

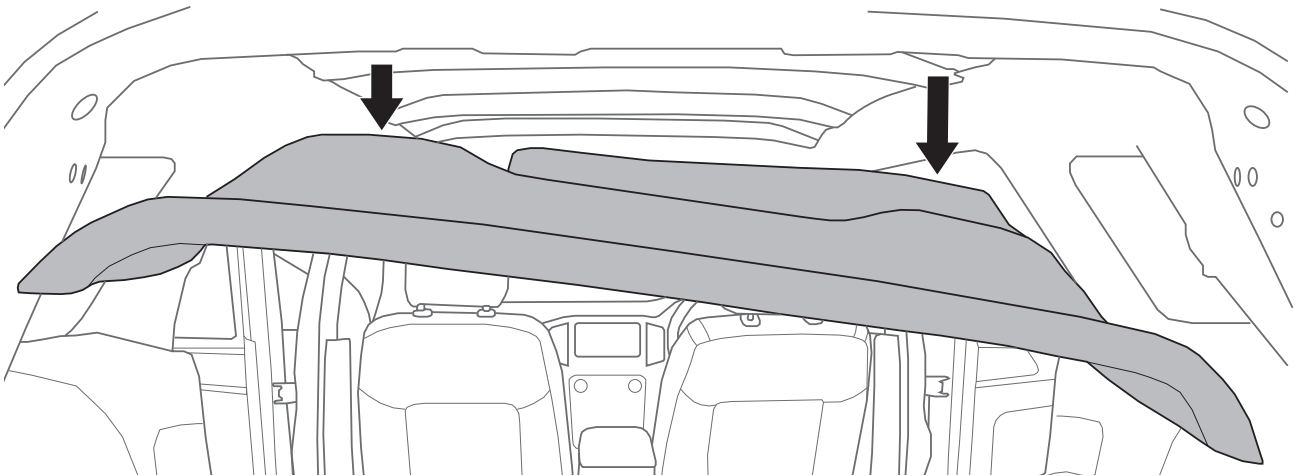
Proceed to Installing RuggedLine Hardware on page 4.



RAISED RAIL VERSION ONLY

REMOVE ROOF LINING (RECOMMENDED PROFESSIONALS ONLY).

Before the factory roof rails can be removed, you will need to arrange for the roof lining to be carefully removed to provide access to the rail nuts. These are only accessible from the underside of the roof.

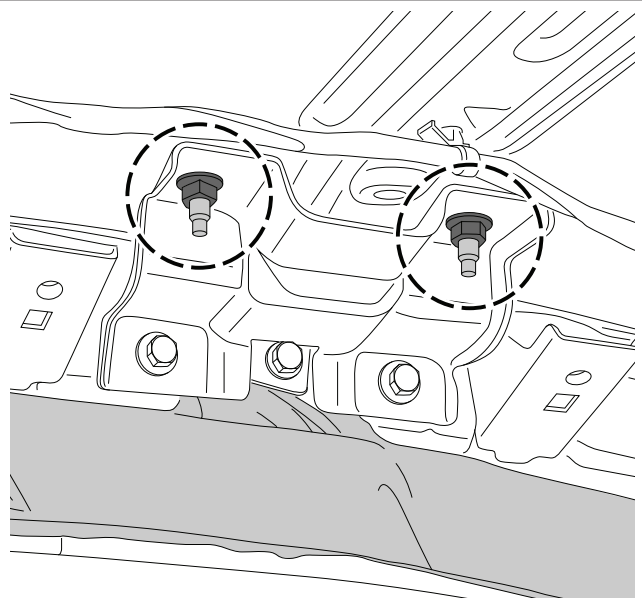


1

REMOVE RAIL HARDWARE.

Once the lining has been removed, unscrew the factory nuts to remove the roof rails. There are x4 factory nuts each side of vehicle, close to curtain airbag.

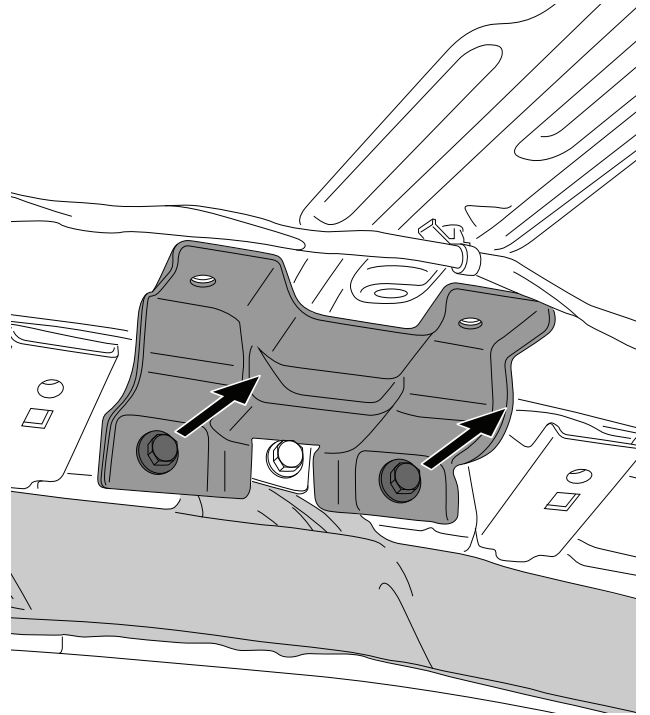
Nuts to be removed with 10 mm socket wrench.



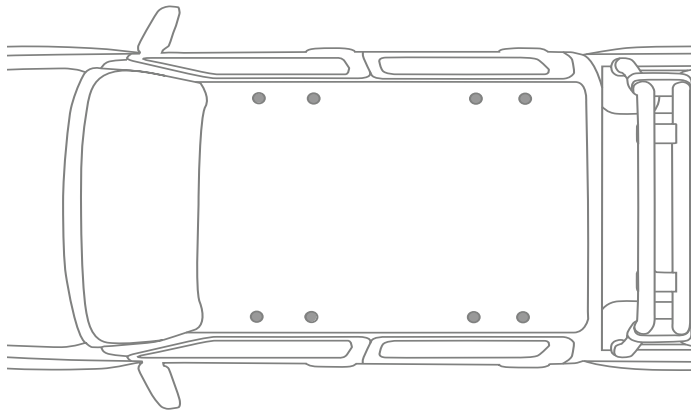
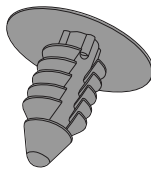
2**REMOVE UNDER RAIL BRACKETS.**

Once the rail hardware has been removed the under rail to roof brackets can be removed. There are x2 brackets on each side of the vehicle.

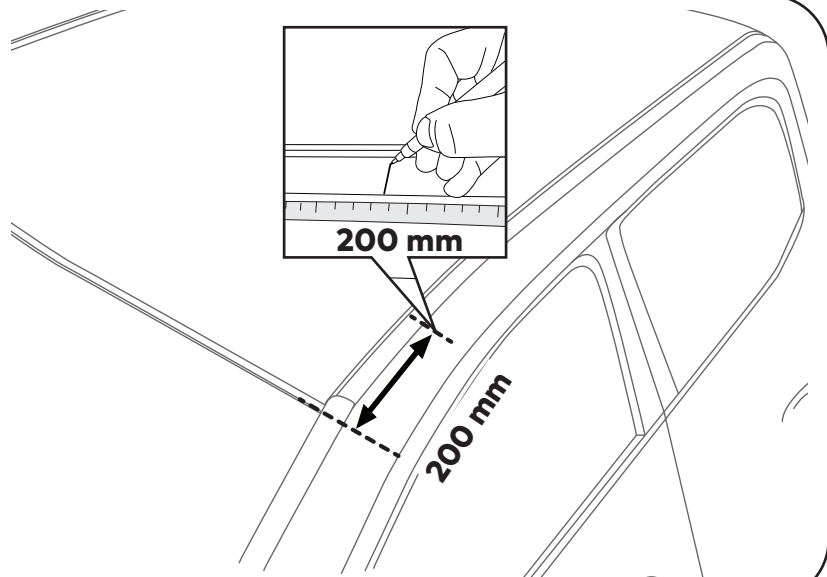
Screws to be removed with 10 mm socket wrench.

**3****PLUG RAIL HOLES.**

If removing existing vehicle rails, seal and plug holes with supplied silicone sealant and plugs.

**4****MEASURE AND MARK ROOF CHANNEL.**

Using a measuring tape, measure 200 mm back from the windscreen-roof join and mark the measurement both sides of the vehicle on the roof channel with a marking pen as shown.

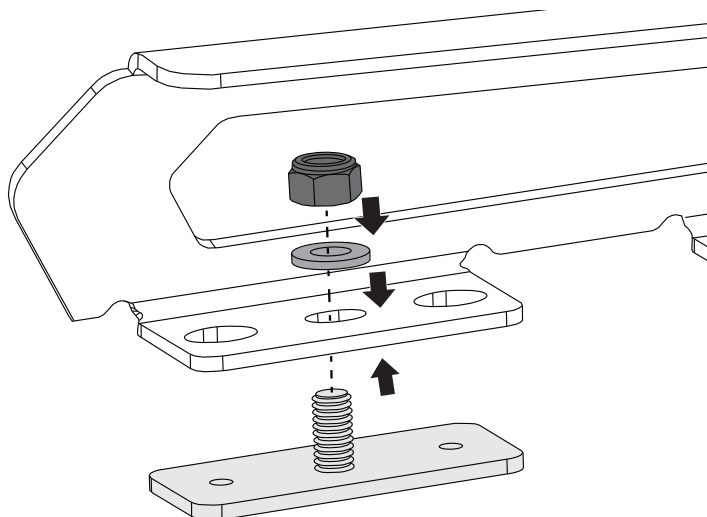


INSTALLING RUGGEDLINE HARDWARE

1

ASSEMBLE RUGGEDLINE HARDWARE.

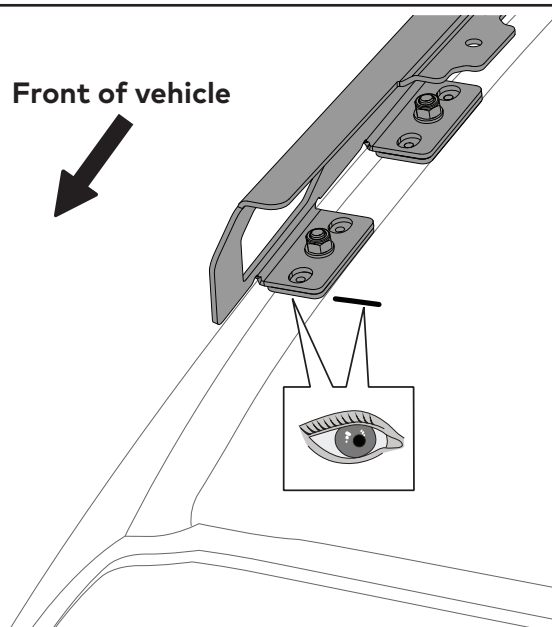
Use the M8 nyloc nut and M8 flat washer to secure the mount plate assembly to the RuggedLine.



2

POSITION RUGGEDLINE ON ROOF.

Position the RuggedLine on the vehicle roof by aligning the front edge of the RuggedLine forward tab to the previously measured pen mark.

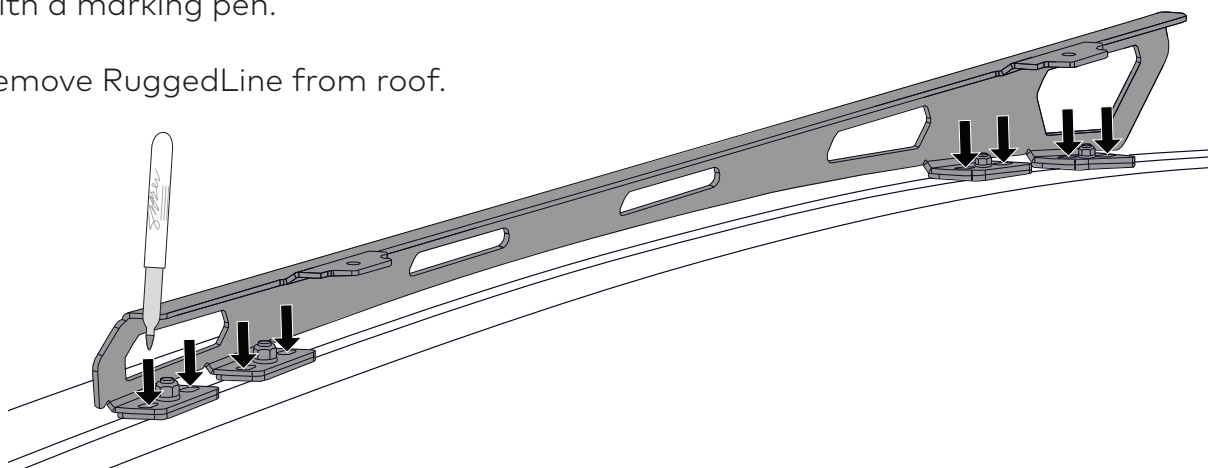


3

MARK DRILL HOLES ON ROOF CHANNEL.

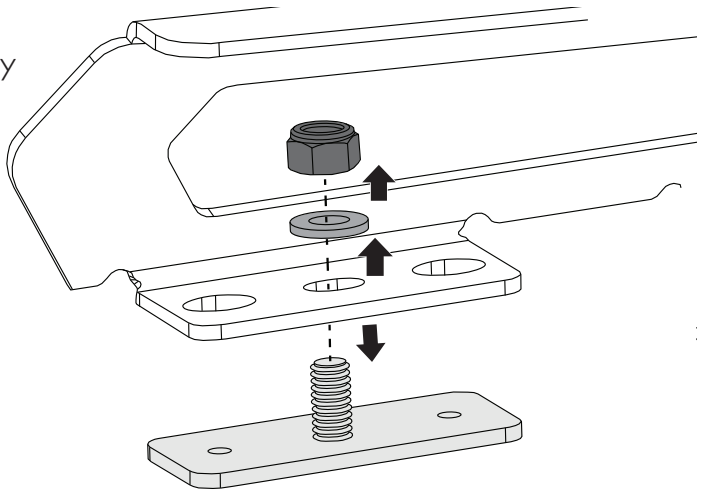
With the help of a friend, securely hold the RuggedLine in place and mark all drill holes through the tabs on RuggedLine and mount plates onto the roof channel with a marking pen.

Remove RuggedLine from roof.

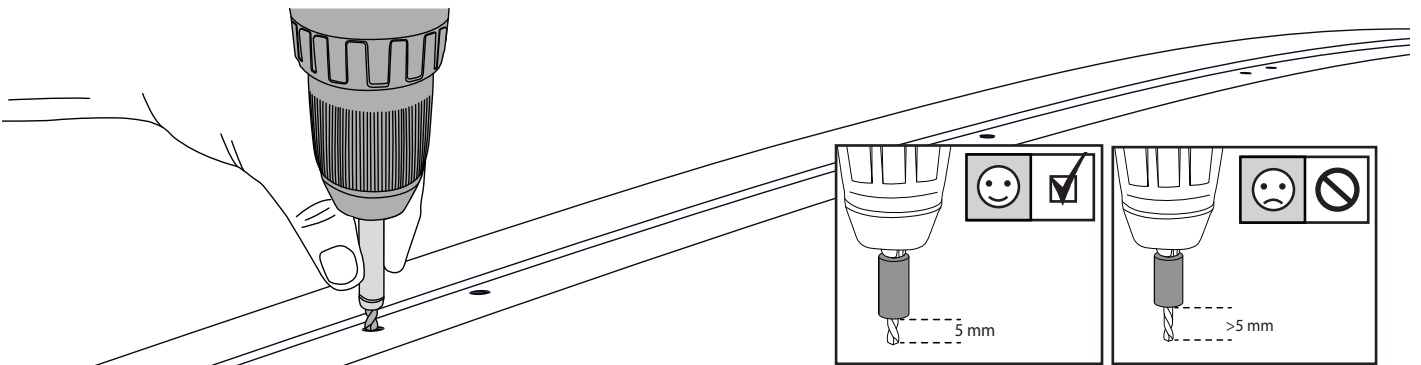


4**UNASSEMBLE RUGGEDLINE HARDWARE.**

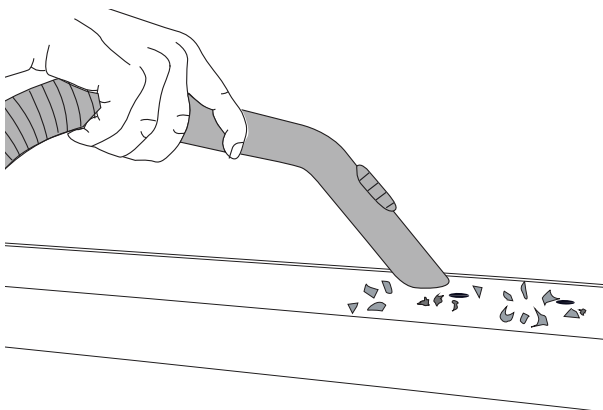
Unassemble the mount plate assembly and hardware. Set aside for now.

**5****DRILL MARKED HOLES.**

Pilot drill marked out locations with a 3 mm drill bit then drill to final size using the supplied 4.9 mm single end cobalt drill bit. Take caution of the drilling depth. It is recommended to use a 5 mm drill stop for this process.

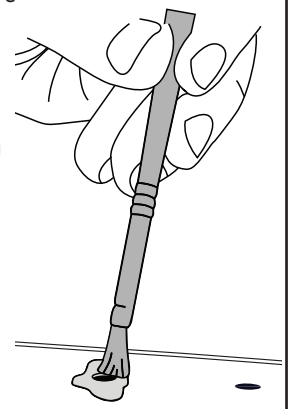
**6****REMOVE SWarf.**

Avoid pushing swarf into the newly drilled holes by removing swarf from roof channel with a vacuum cleaner.

**7****APPLY GALVANISING SOLUTION.**

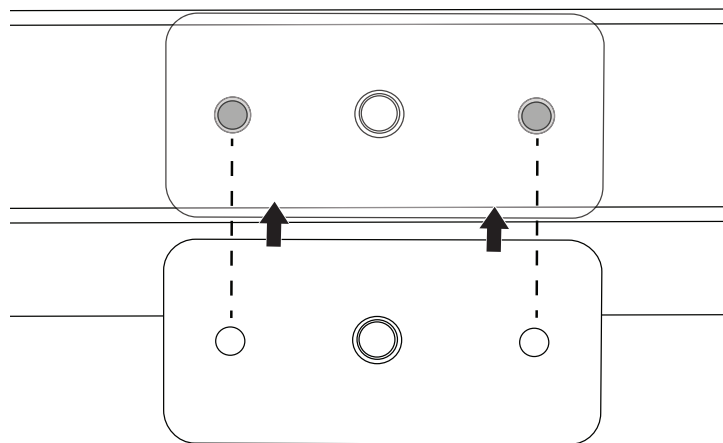
Liberal apply a galvanising solution to the inside of each hole. Allow solution to become touch dry (refer to product drying times).

Once the galvanising solution has become touch dry apply silicone sealant to the inside surface and surrounds of each hole immediately before installing the rivets.

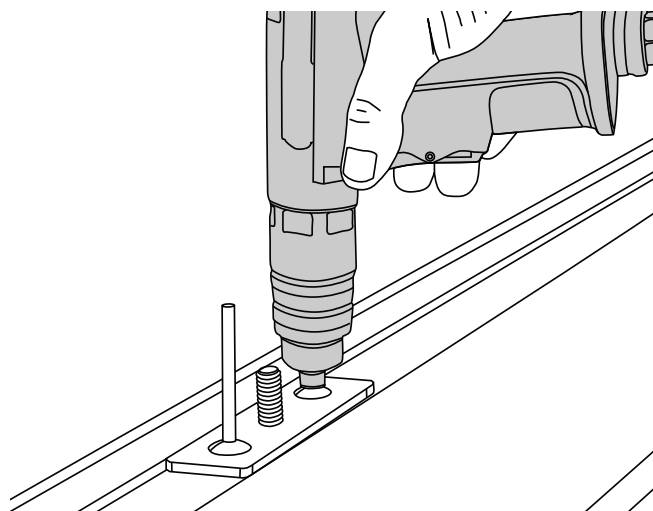


8**LINE UP MOUNT PLATE.**

Line up all mounting plate assemblies over the drilled holes in the roof channel.

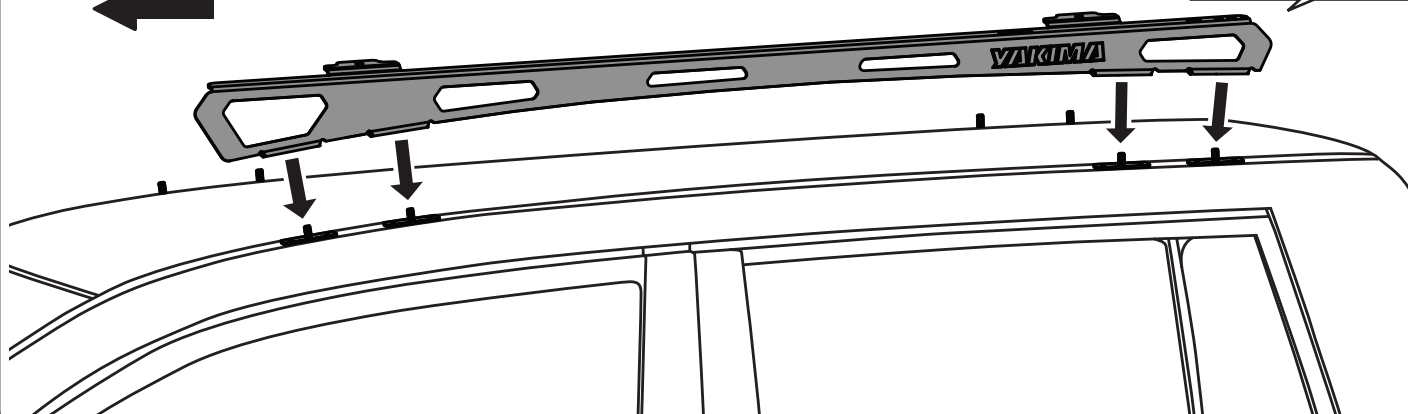
**9****INSTALL MOUNTING PLATE.**

Install the rivets into each of the drilled holes using a rivet tool.

**MOUNTING RUGGEDLINE****1****POSITION RUGGEDLINE ON VEHICLE ROOF.**

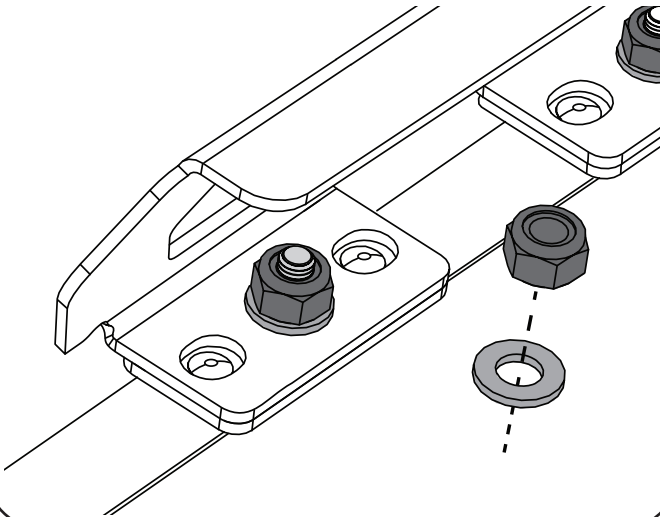
Referring to the left-right orientation on top of each RuggedLine, carefully place one side of the RuggedLine onto vehicle roof as shown. Line up the mounting holes on the bottom tabs to the RuggedLine hardware installed on the roof in the previous steps.

Front of vehicle

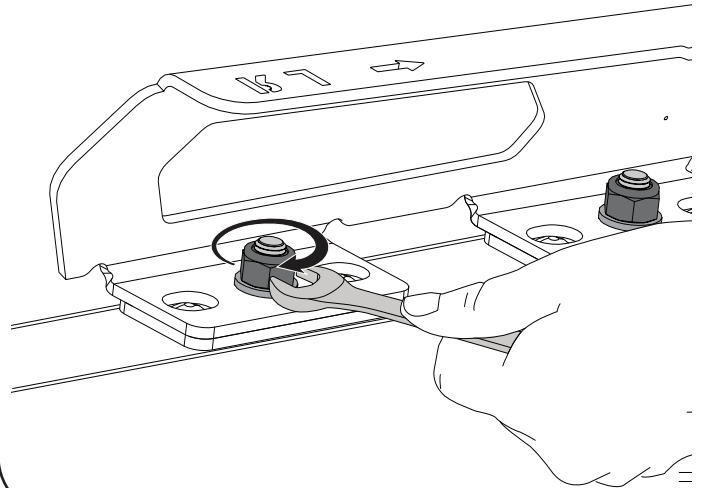


2**ASSEMBLE RUGGEDLINE
HARDWARE.**

Assemble the M8 nyloc nut and M8 washer as shown and place into the mounting holes on the bottom tabs of RuggedLine. Ensure hardware and holes align with the rivets in roof.

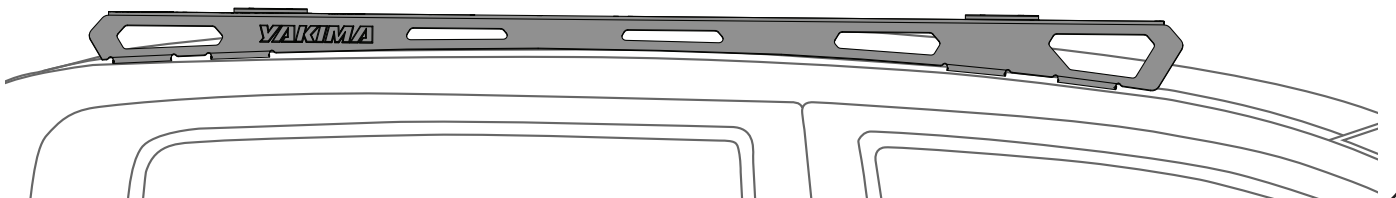
**3****TIGHTEN RUGGEDLINE
HARDWARE.**

Using a 13 mm spanner, and avoiding damage to the powder coat, start to carefully secure the RuggedLine by tightening the M8 nyloc nuts to 7 Nm.

**4****REPEAT STEPS TO OPPOSITE SIDE.**

Repeat steps 1-3 on page 6-7 for securing the opposite side RuggedLine.

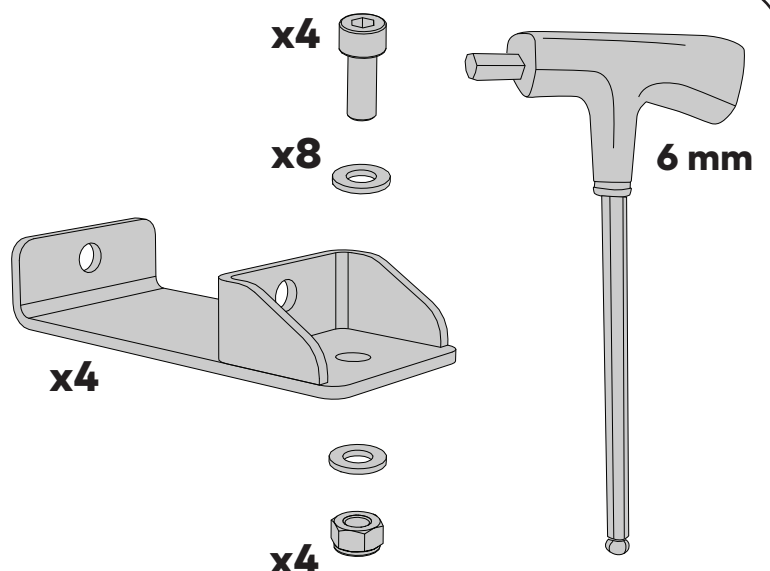
Ensure both RuggedLine are securely positioned on vehicle roof. Check each screw is secure before proceeding to install LockNLoad Platform to your RuggedLine.

**5****PIVOT BRACKET ASSEMBLIES.**

Retain the 6 mm T-handle ball end allen key and not yet installed pivot brackets, M8 x 20 mm socket head cap screws, M8 nyloc nuts and M8 washers.

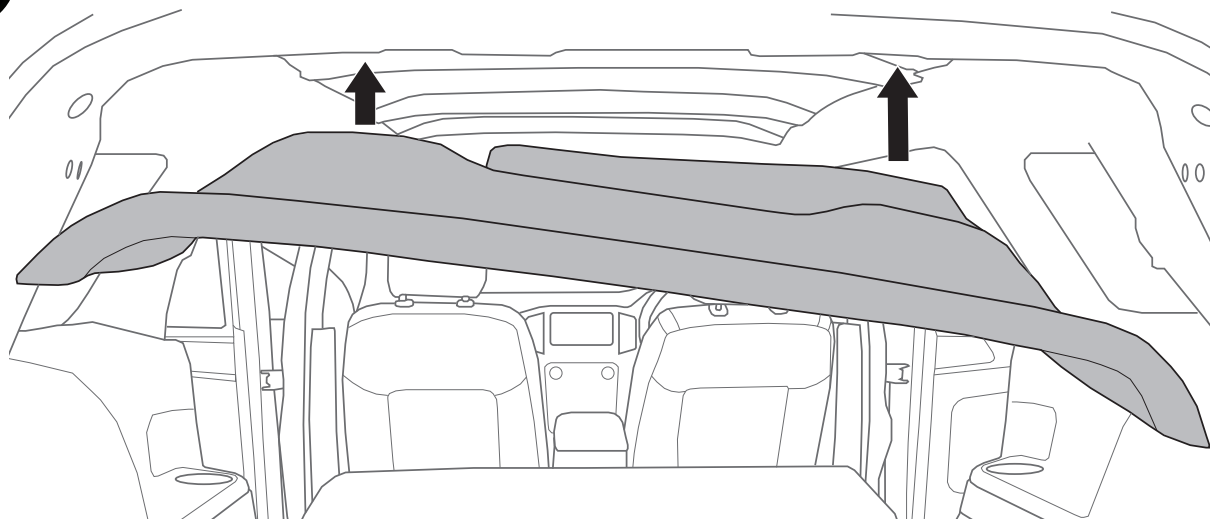


These components will be required for mounting your LockNLoad platform to your newly installed RuggedLine.



6

**REFIT ROOF LINING IF PREVIOUSLY REMOVED
(RECOMMENDED PROFESSIONALS ONLY).**



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**NOW SWITCH TO YOUR LOCKNLOAD PLATFORM
INSTRUCTIONS AND CONTINUE FROM THE
'RUGGEDLINE MOUNTING INSTRUCTIONS' PAGE.**

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