

MAXIMUM PRODUCT LOAD RATING: 150 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.**



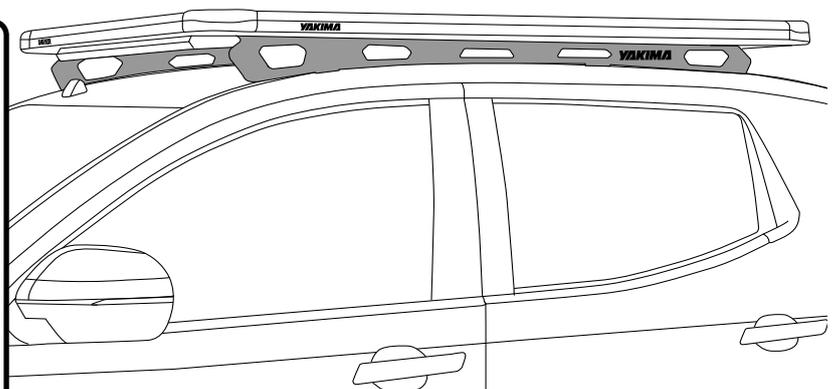
FIRST TIME INSTALLATION

- Please read instructions carefully before installation.
- Check the contents of kit. Each spine 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:

- Measuring Tape
- Impact Drill
- 12 mm Socket Wrench
- 13 mm Socket Wrench
- Trim Remover Tool (preferred)
- Flat Head Screwdriver
- 13 mm Spanner

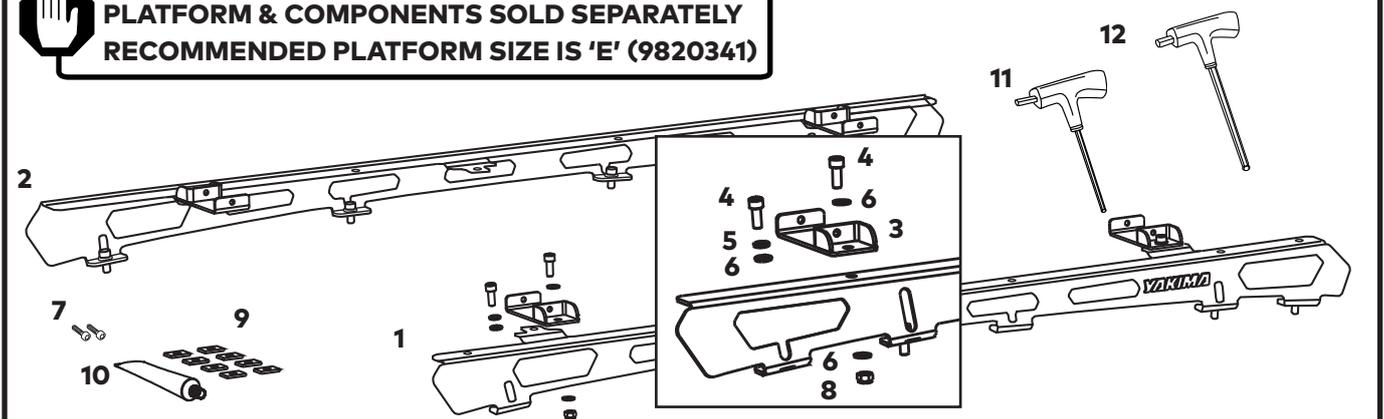


KIT CONTENTS

ITEM	COMPONENT	QTY	ITEM	COMPONENT	QTY
1.	MU-X 21+ Right Spine 2115	x1	7.	M8 Button Head Capscrew 16 mm	x2
2.	MU-X 21+ Left Spine 2115	x1	8.	M8 Nyloc Nut	x6
3.	Pivot Bracket Assembly	x6	9.	Foam Adhesive 28 x 20 x 3	x10
4.	M8 Socket Head Capscrew 20 mm	x16	10.	Loctite 598 Tube	x1
5.	M8 Spring Washer	x10	11.	4 mm T Handle Ball End Allen Key	x1
6.	M8 Washer	x24	12.	6 mm T Handle Ball End Allen Key	x1



**PLATFORM & COMPONENTS SOLD SEPARATELY
RECOMMENDED PLATFORM SIZE IS 'E' (9820341)**

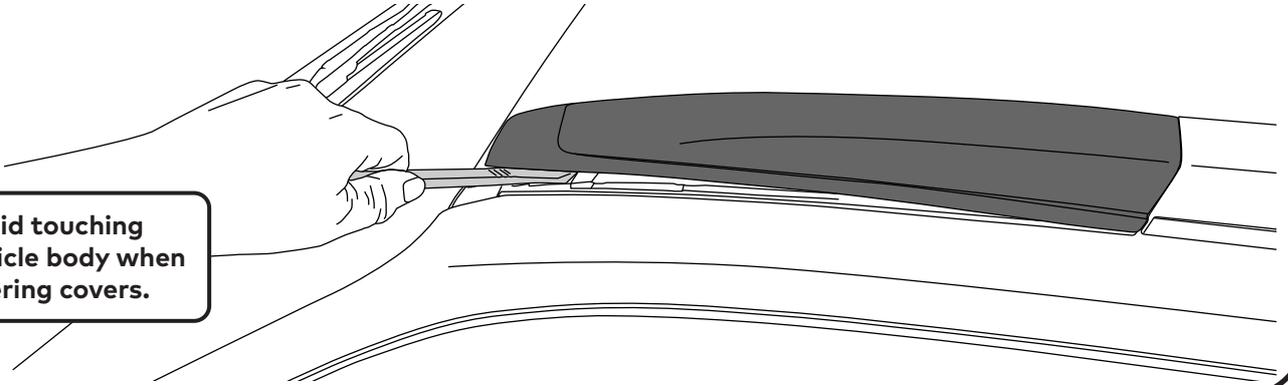


REMOVING FACTORY FLUSH ROOF RAILS - D-MAX X-TERRAIN

1a UNCLIP PLASTIC RAIL COVERS

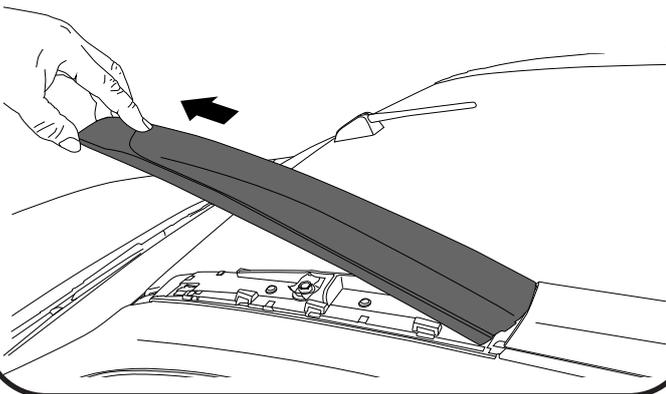
Using an appropriate Trim Remover Tool (or tape wrapped Flat Head Screwdriver), wedge the front of the rail covers upwards to release the internal clips.

! Avoid touching vehicle body when levering covers.



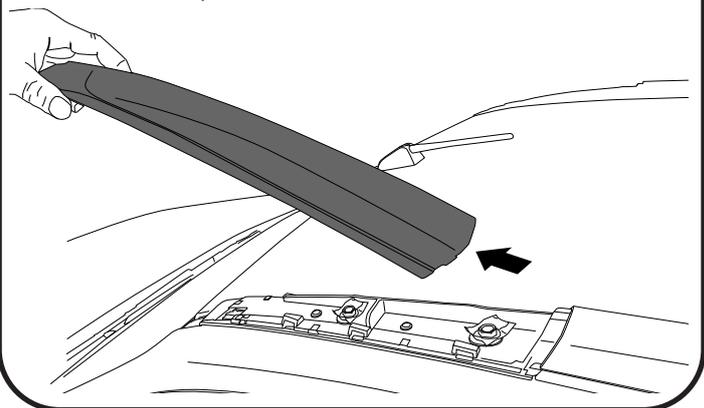
1b UNCLIP PLASTIC RAIL COVERS

Lift the front of the rail covers up until the back clips disengage.



2 REMOVE PLASTIC RAIL COVERS

Lift the detached covers away from the rail.



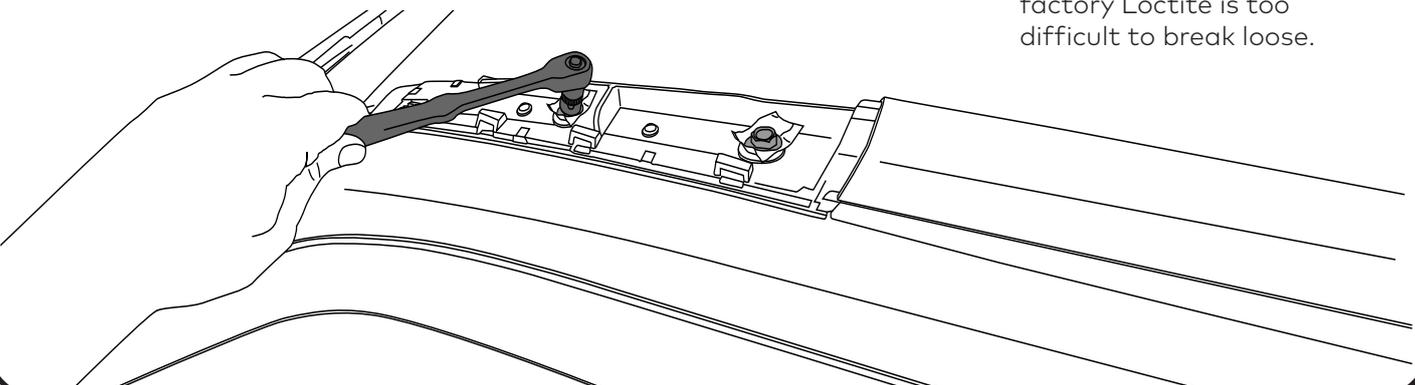
3 REMOVE COVER HARDWARE

Remove exposed hardware (2x bolts at each rail end) using a 12 mm Socket Wrench or Breaker Bar.

Complete steps 1a - 3 for front and rear covers and repeat on opposite side of vehicle.

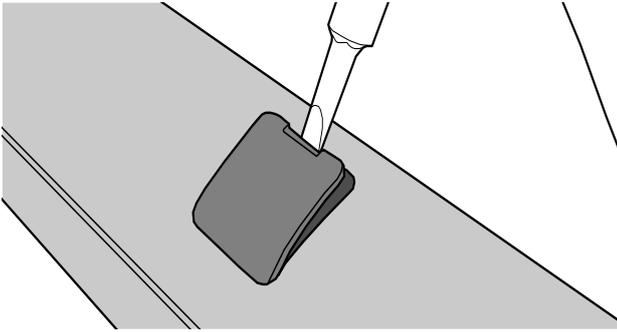
Store removed hardware away in a safe place.

NOTE - a Rattle Gun may be required if the factory Loctite is too difficult to break loose.

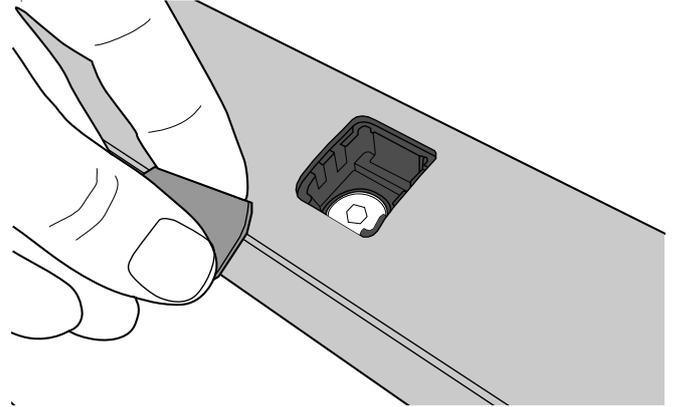


4a**UNDO BOLT COVERS WITH SCREWDRIVERS**

Pop open the bolt cover hatch using the flathead screwdriver.

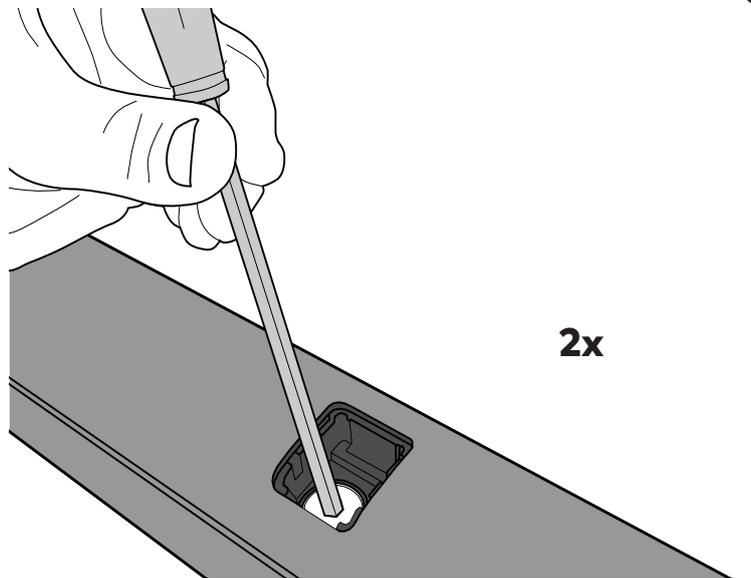
**4b****REMOVE BOLT COVERS**

Lift away cover.

**5****REMOVE BOLT**

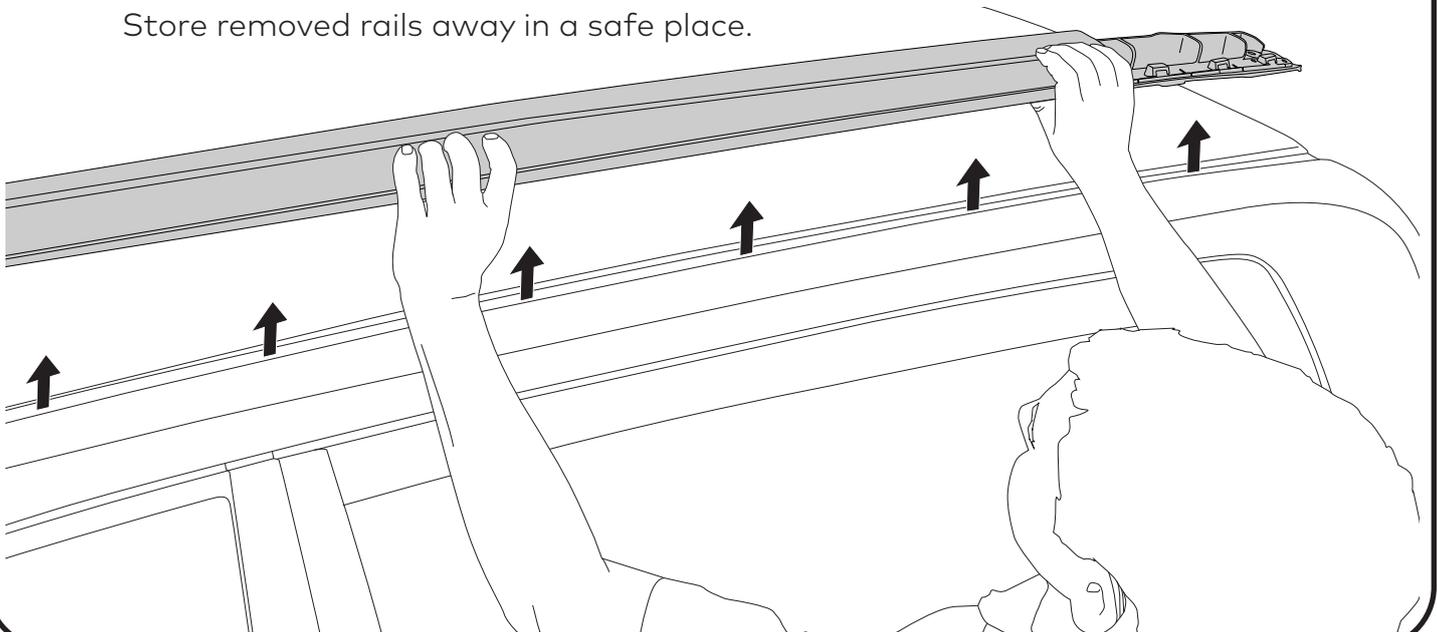
Remove both centre socket HD caps with 6 mm bit.

Repeat for both sides.

**6****REMOVE RAILS**

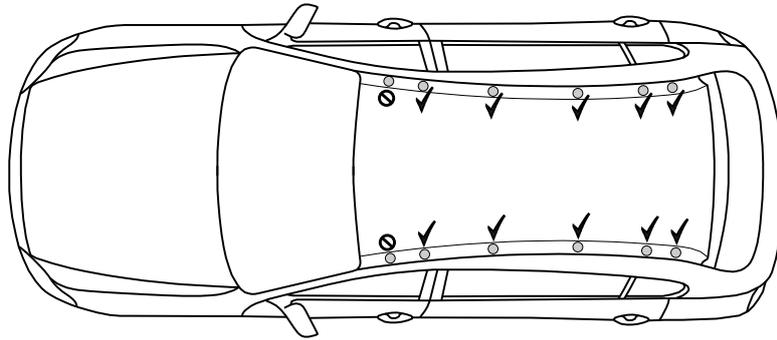
Lift roof rails upwards and carefully remove from the roof.

Store removed rails away in a safe place.



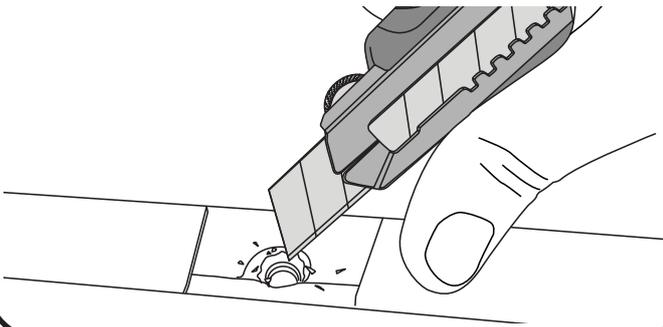
MOUNTING RUGGEDLINE AND LOCKNLOAD PLATFORM

FOR STEPS 1 - 9



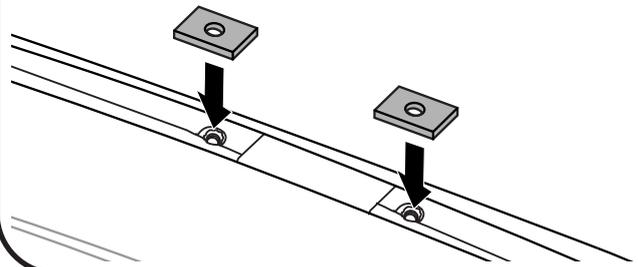
1 SCRAPE AWAY SEALS

Using a stanley knife, carefully scrape away the paint seals to expose mounting holes.



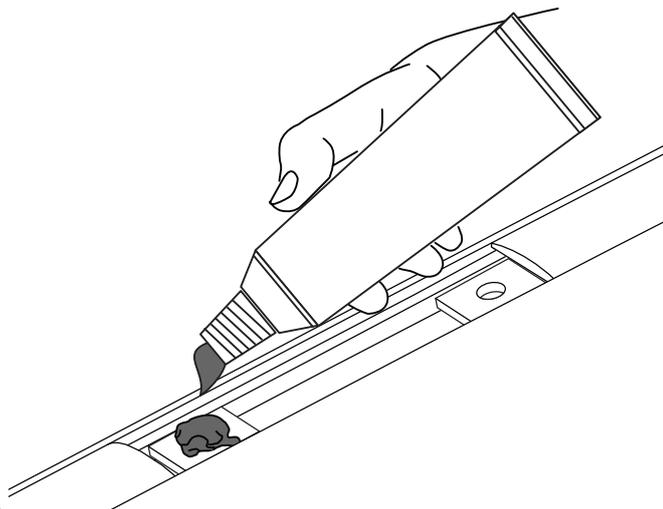
2 AFFIX FOAM ADHESIVE

Carefully apply Foam Adhesive over all the exposed holes in roof channel, lining up holes in foam with the holes in roof channel. Apply with adhesive side to vehicle.



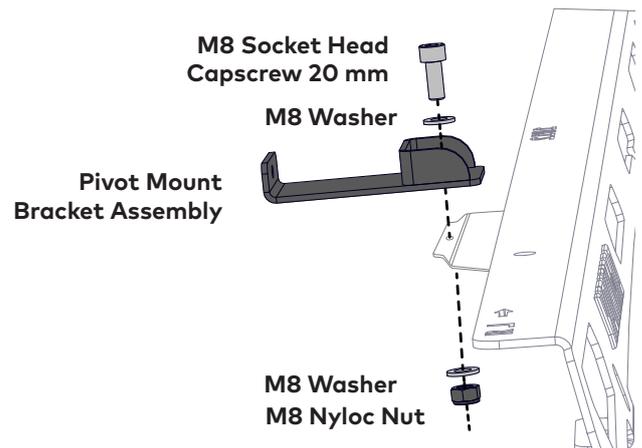
3 APPLY LOCTITE

Liberaly apply the supplied Loctite sealant to the inside surface and on top of each hole **on one side of vehicle.**



4 ASSEMBLE PIVOT BRACKET TO RUGGEDLINE

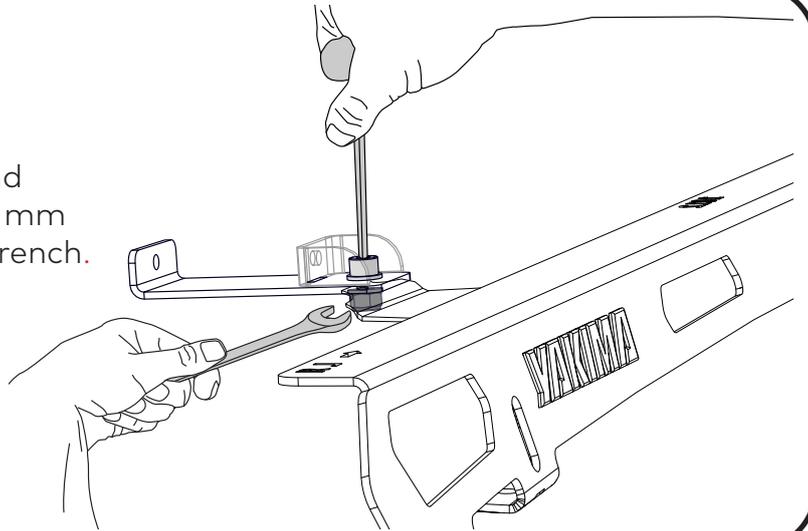
Assemble Pivot Bracket and M8 hardware as pictured. Complete this for the 2 mounting holes on top of the RuggedLine Spine.



5**SECURE PIVOT BRACKET ASSEMBLIES**

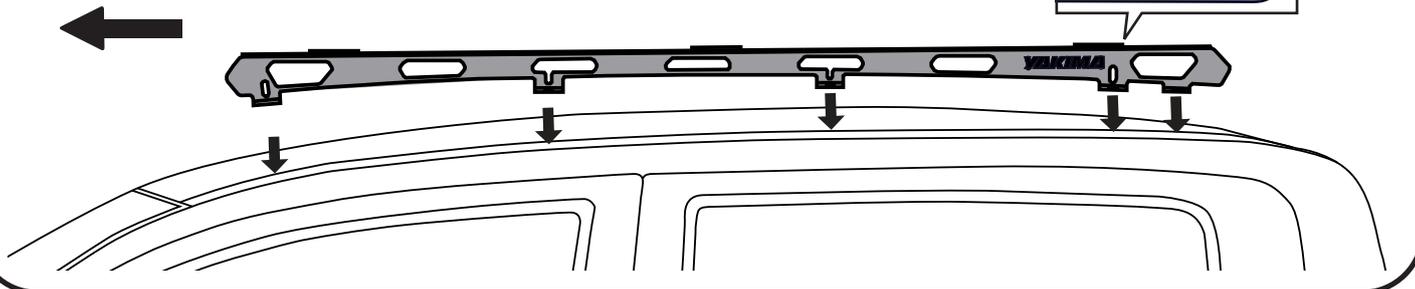
Tighten all Capscrews with the provided 6 mm T Handle Ball End Allen Key, and all Nuts with a 13 mm Spanner or a suitable Torque Wrench.

Ensure all Capscrews and Nuts are tightened to 7 Nm.

**6****POSITION RUGGEDLINE ON VEHICLE ROOF**

Referring to the left-right orientation on top of each Spine, carefully place one side of the RuggedLine onto vehicle roof as shown. Line up the mounting holes on the bottom tabs to those exposed on the roof. The tabs are to face in towards the vehicle.

Front of vehicle

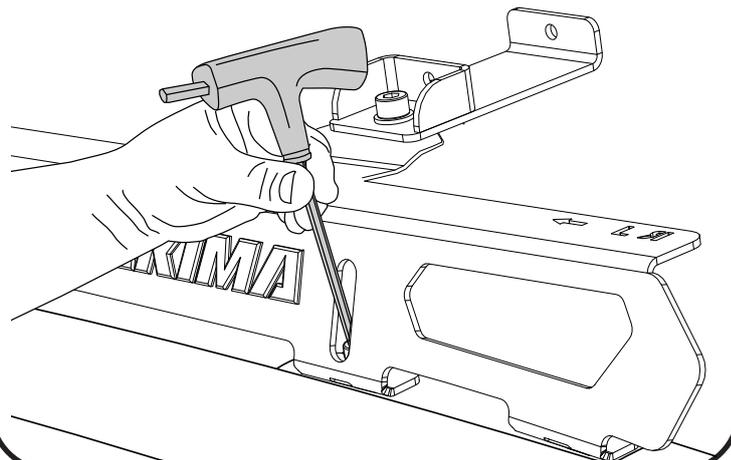
**7****ASSEMBLE RUGGEDLINE HARDWARE**

Assemble the M8 Socket Head Capscrew 20 mm, M8 Spring Washer and Washer as shown and place into mounting holes on bottom tabs of RuggedLine.

Ensure hardware and holes align with the holes on roof.

**8****TIGHTEN RUGGEDLINE HARDWARE**

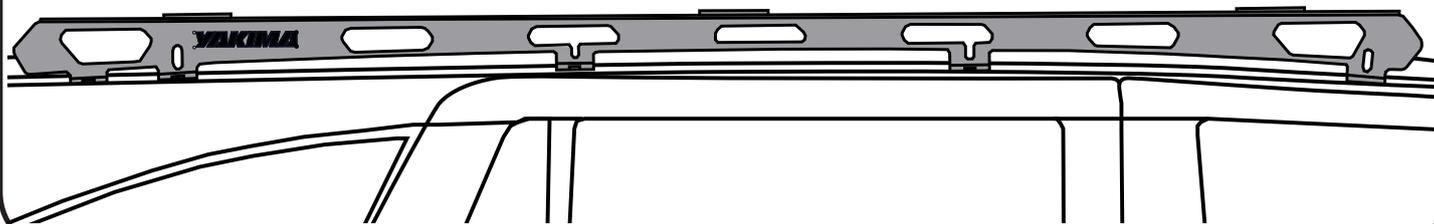
Using the 6 mm T Handle Ball End Allen Key, and avoiding damage to the powder coat, start to carefully secure the RuggedLine by tightening the M8 Socket Head Capscrews to 7 Nm into the mounting holes in roof.



9 REPEAT STEPS TO OPPOSITE SIDE

Repeat steps 1-8 on pages 5 & 6 for securing opposite side of RuggedLine Spine.

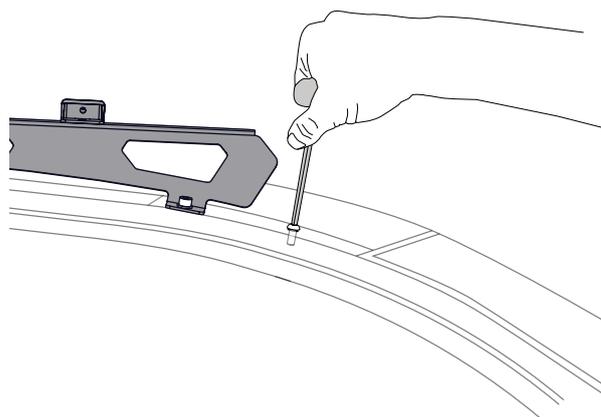
Ensure both Spines are securely positioned on vehicle roof. Check each screw is secure before proceeding to install LockNLoad Platform to RuggedLine Spines.



10 PLUG FRONT SOCKET

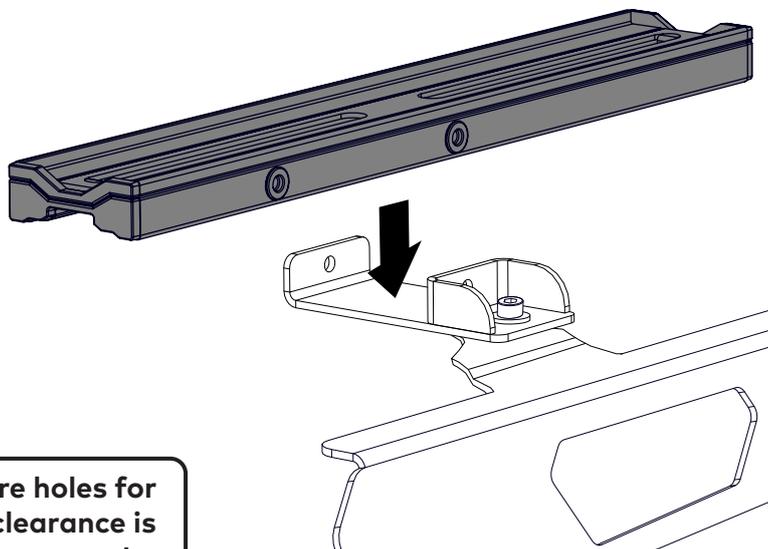
Using M8 x 16 mm Buttonhead Capscrew and Loctite sealant, plug front most socket in track.

Repeat on both sides of vehicle.



11 INSTALL PLATFORM PIVOT MOUNTS

From the LockNLoad Platform kit (sold separately), position Pivot Mounts into each Pivot Bracket Assembly, lining up the rivnut holes on the Mounts with the holes on the brackets.



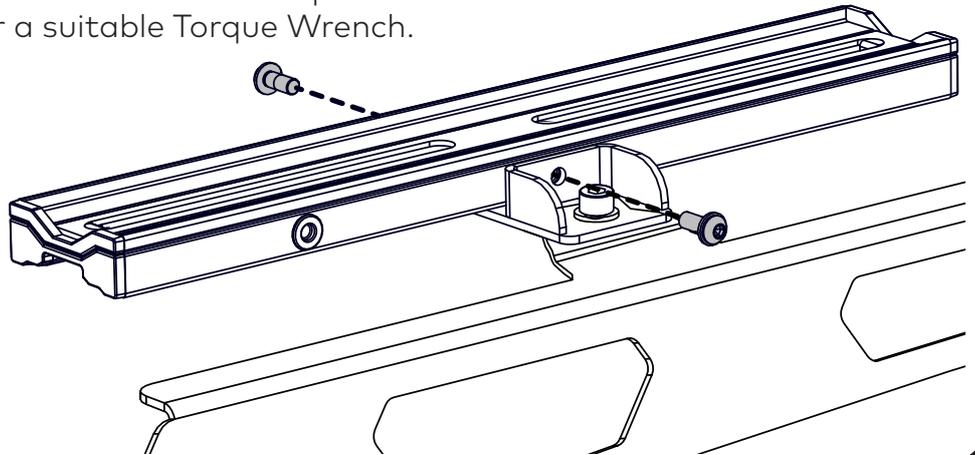
! Where possible, always use the centre holes for attaching to Pivot Bracket. If extra clearance is needed due to Platform-to-roof fitment needs, the offset holes can be used.

12**SECURE PLATFORM PIVOT MOUNTS**

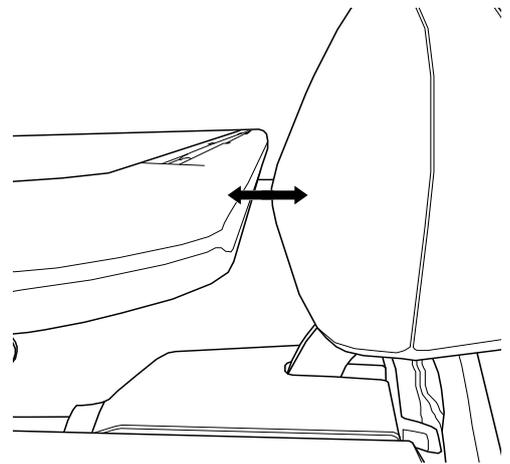
Secure all Platform Pivot Mounts with 2x 16 mm M6 Capscrews with Washer from LockNLoad Platform kit as shown.

Tighten all Capscrews to 4 Nm with the provided 4 mm Ball End Allen Key or a suitable Torque Wrench.

NOTE - The Pivot Mount assembly will still have movement after securing which is intended.

**13****CHECK MEASUREMENTS**

Make sure it is positioned forward in order for rear tail gate to clear platform.

**!**

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

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