4RUNNER TRD PRO ROOF RACK INSTALLATION GUIDE

SPECIFICATION

Model year:	TOYOTA 4RUNNER Roof Basket Rack Fit For 2010-2023 Models, the trims with the factory roof rails not required or needs to be removed.
Maximum load capacity:	100KGs/220LBs maximum weight capacity
⚠	Refer to car user manual for the recommended limitation from factory.

PART LIST

Ⓐ

Ⓑ

Ⓒ

Ⓓ1

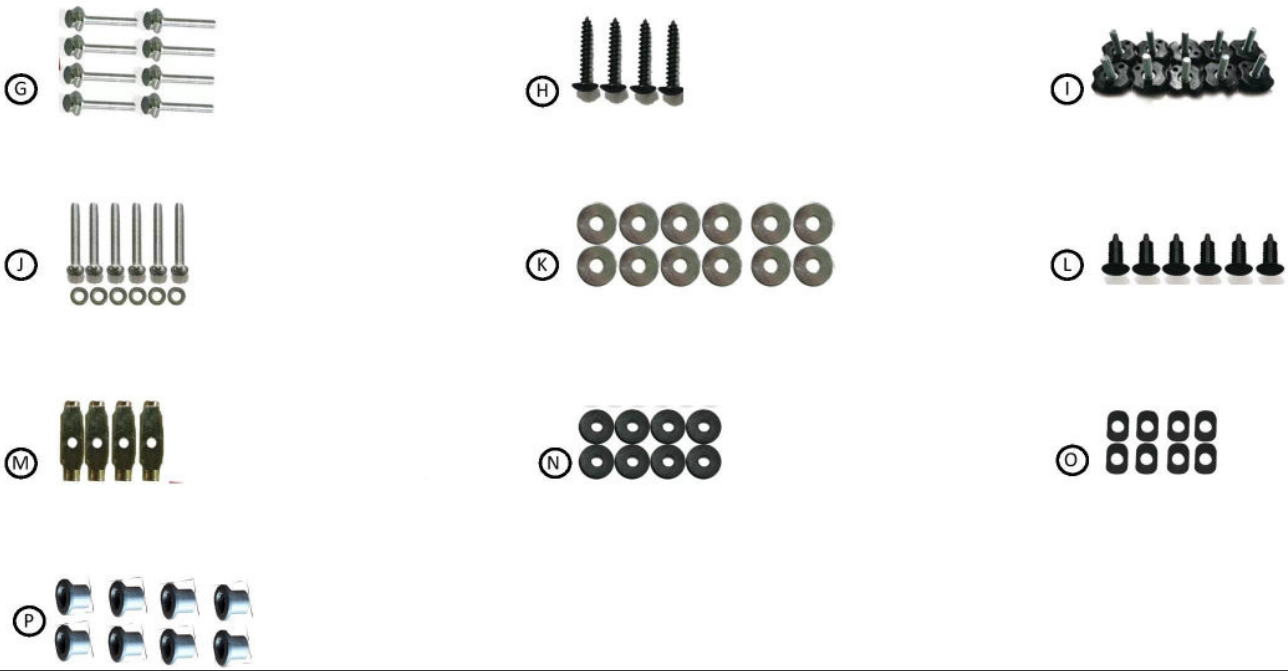
Ⓓ2

Ⓔ

Ⓕ

*optional

ACCESSORIES



PART INDEX	DESCRIPTION	QTY.
A	Rail Tube Assembly RH / Rail Tube Assembly LH	2
B	Crossbar Assembly	5
C	Joint Assembly (I-Connector)	1
D1	RR Bracket / RL Bracket	2
D2	FR Bracket / FL Bracket	2
E	Crossbar Clamp Assy RH / Crossbar Clamp Assy LH	10
F	Rubber Plugin	8

ACCESSORIES	DESCRIPTION	QTY.
G	Starter Bolt	8
H	Black round Head Screw	4
I	Thumbwheel knobs	8
J	Round Torx head bolt	6
K	M6 Plain Washer	12
L	Black Screw	6
M	Plate Nut	4
N	Fiber Washer	8
O	Foam Washer	8
P	Bushing	8

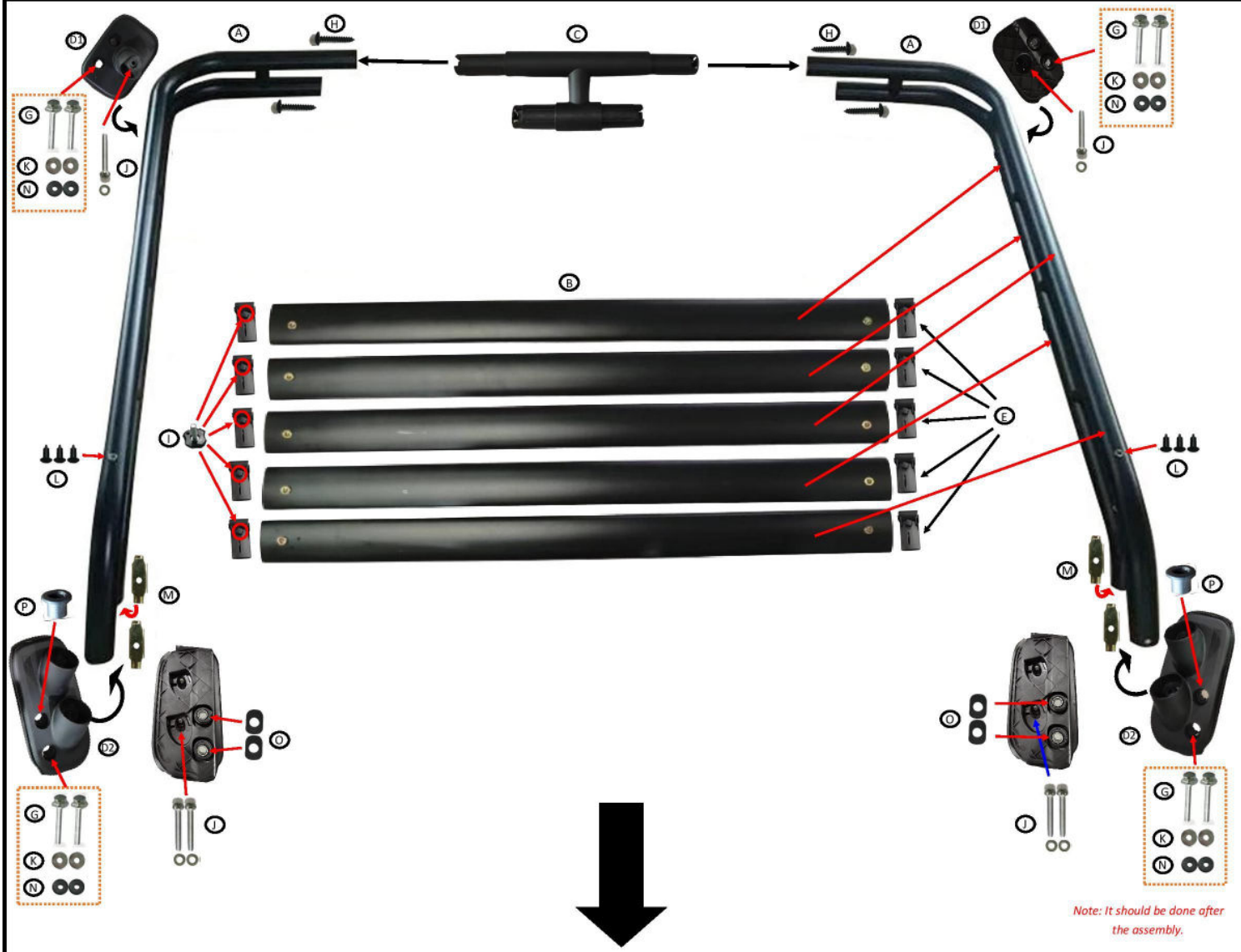
TOOLS RECOMMENDED (NOT INCLUDED)

1. T40 Torx Driver (Hardened
2. T25 Torx Driver (Hardened)
3. Torque Wrench (0-75 lbf-ft, 0-80 lbf-in)
4. 12mm Socket
5. Ratchet Wrench
6. 3" Extension
7. Nylon Panel Removal Tool

TOOLS INCLUDED

Torx key

1 ASSEMBLY



Note: It should be done after the assembly.

2 DISASSEMBLY

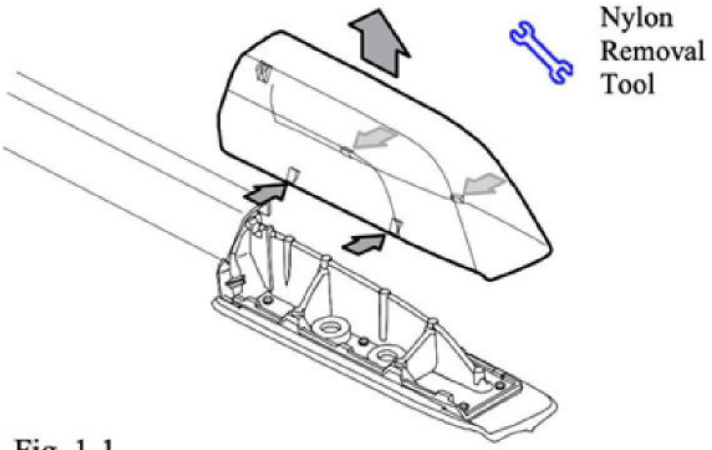


Fig. 1-1

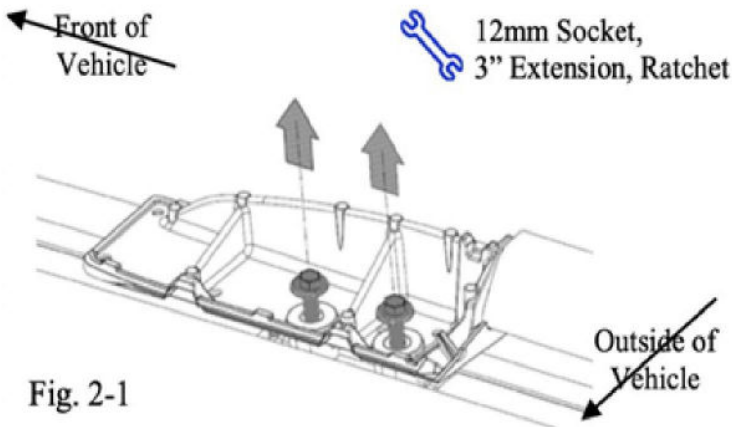


Fig. 2-1

1. Remove the Covers (4 locations)

(a) Remove the covers. Using the nylon removal tool, pry the covers outward at the tab locations while pulling cover upward (Fig.1-1)

2. Remove the Bolts

(a) Loosen 8 bolts (4 on each side)(Fig.2-1)

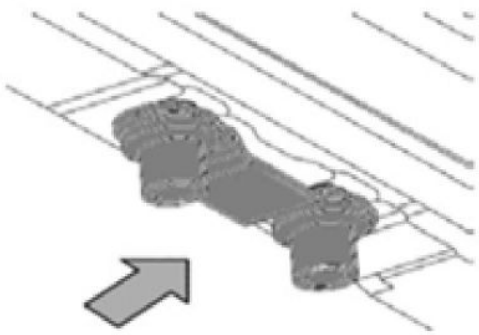


Fig. 2-2

NOTE: All the bolts must be loosened prior to removing any of them, in order to ensure that the attachment bracket does not become dislodged and fail into the headliner (Fig.2-2)

(b) Remove and discard 8bolts.

WHAT YOU'LL NEED FOR RECOMMENDED INSTALLATION

M8 Wafer Head Screw

Bracket

Foam Washers

Fiber Washers

TOOLS & MATERIALS NEEDED (NOT INCLUDED)

1.Torx Bit Set

- T40 Torx Driver
- T25 Torx Driver

2. Socket Set

- 3-12″ extensions

3. Wrench Set

4. Torque wrench (Needs to torque to 18.0 Nm +/- 3 Nm or 13 lbf-ft)

5. Impact Driver (optional)

6. Trim removal tool(s)

7. Large Towel

8. Shop Towels

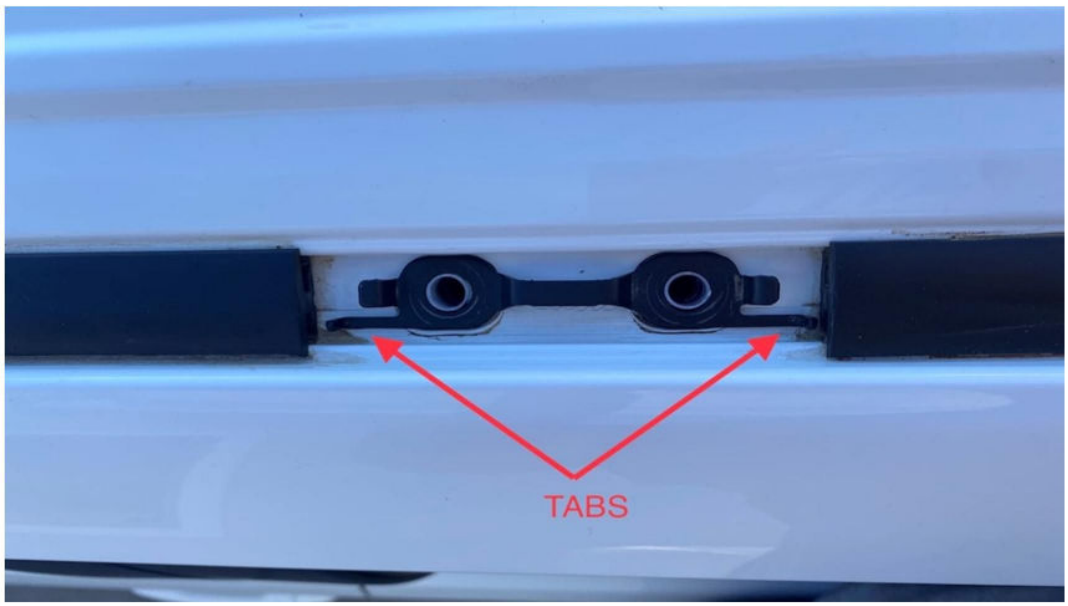
9. Multi-Purpose Cleaner

10. Isopropyl Alcohol

3 RECOMMENDED INSTALLATION STEPS (OPTIONAL)

Step 1: Remove stock roof rack and clean roof.

Start by removing the 4 roof rail plastic caps. Once the caps have been removed, use a 12mm socket to remove the 8 screws holding the roof rails to the roof. Remove the roof rails and clean the area where the rail base previously contacted the roof.



Step 2: Install brackets

Install 4 brackets at each of the roof mounting points. The brackets should be positioned so that the tabs are facing towards the doors.

INSTALLATION

FIG 1

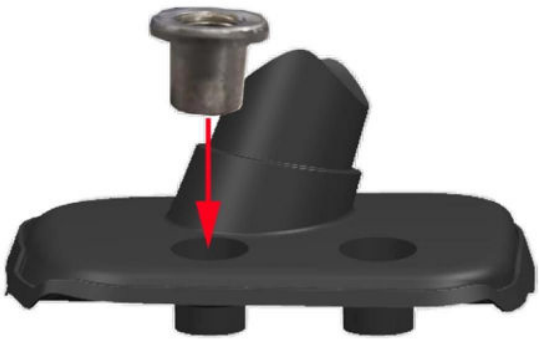


FIG 2

1. Insert Bushings into the bracket holes (FIG 1). Make sure the bushings remain protruding through the holes in the roof brackets, two bushings for each bracket.

   (FIG 2) finish four brackets with bushings.

FIG 3

2. Put the plate nuts into the tube as shown in (FIG 3).

FIG 4

3. Let tube facing up, and put the bracket over the tube and line up its plate nut hole with the bracket hole next to the bushing holes. Make sure the brackets match the correct side at the left or the right (FIG 4).

INSTALLATION

FIG 5

FIG 6

4. Using Round Torx Head bolt to fix the brackets to tubes (FIG 5)and get it fixed (FIG 6), finish both Left and right side brackets

FIG 7

FIG 8

5. Mounting the rear brackets at the bottom of the rear end rail (FIG 7) using the round Torx bolt to fix it (FIG 8), finish both left rail and right rail according, make sure the bracket at its correct side.

FIG 9

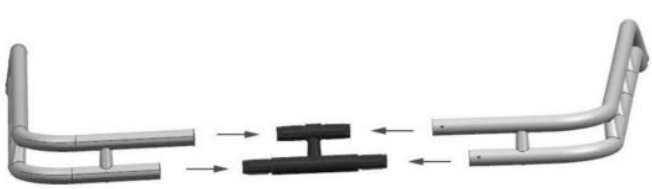
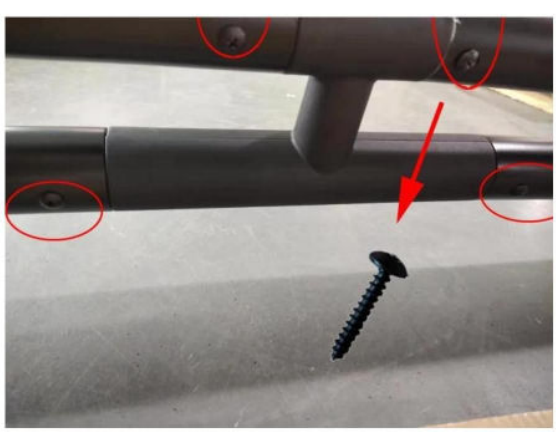


FIG 10



6. Using the "I" shaped connector to connect the left rail and right rail (FIG 9), using black round head mounting screw to LOOSELY install at inside holes (FIG 10).

4 INSTALLATION

7. Apply foam washers

Clean the spools (metallic bushing) with some isopropyl alcohol.

Peel off the adhesive backing on the foam washers and adhere the foam washers onto the bottom surface of the spools, do this for each of the 8 spools.

8. Position roof rack on top of 4Runner

Assisting by a helper, lift the rack over the vehicle. This can be done by a single person but recommend putting a towel down on the other side to prevent damaging the roof.

Loose the two knobs screws located on the crossbar if the bracket has been assembled.

Loosen the four screws on the connector.

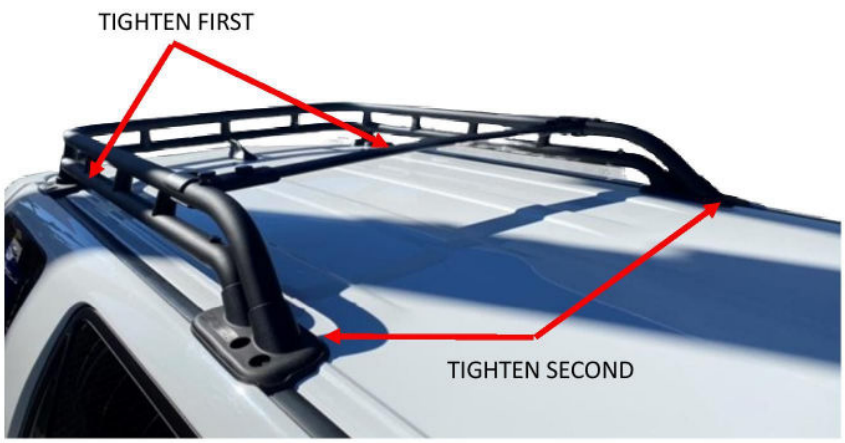
Position the rack so that the holes align between the roof rack under the roof.

Make sure the foam washers are not blocking the hole openings.

4 INSTALLATION

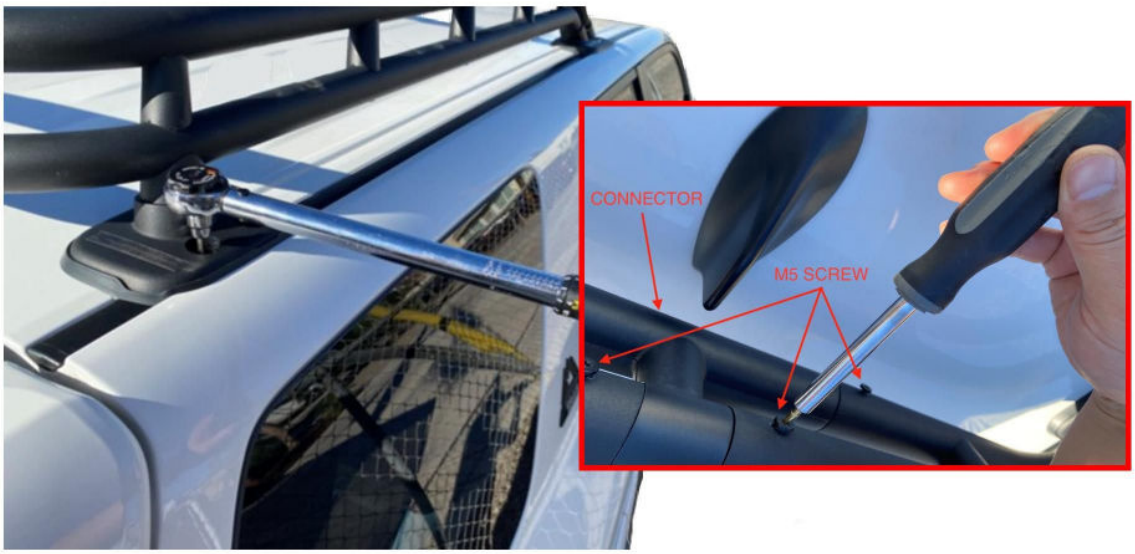
9. Install the M8 (T40) screws and fiber washers by hand in all 8 locations (front and rear end support). This is only to start the thread, do not fully tighten at this point.

Note: Do not forget the fiber washers; they seal the gaps between the spools and screws to prevent water from getting in.



10. Begin tightening the 4 rear end support screws first then move onto the 4 front end support screws. Check and verify that all end supports are properly seated onto the roof.

4 INSTALLATION



11. Torque the screws to 13 lb-ft (18.0 Nm +/- 3Nm). Starting again with the 4 rear end support screws first. Alternate between the screws when torqueing to draw down the supports evenly.

Note: Tighten the 4 M5 (T25) screws on the connector, torque to 35 lb-in (4 Nm) or just hand tight.

FIG 11

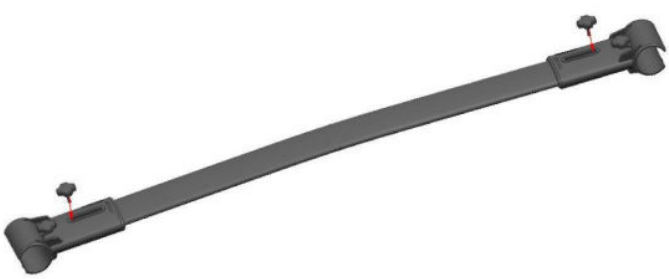


FIG 12

12. Assemble the crossbar and its brackets (FIG 11), loose the thumbwheel knob to open the up bracket lips (FIG 12).

4 INSTALLATION

FI 13

FI 14

13. Put crossbars to the rails (FIG 13), slightly fasten the knob to tighten each end (FIG 14), leave three crossbars at the bottom layer, and one crossbar at the top layer front.

- Place top crossbar immediately rearward of the front stanchion.
- Place lower crossbars between the stanchions.
- "FORWARD" arrow is for front of vehicle orientation.
- Make sure the lower clamp is on the correct side (LH or RH). They will not fit properly if it is on the wrong side.

14. Make sure all bolts and screws are fully tightened, then apply the plugins to the holes of each bracket.

SUPPORT

Visit https://rockautoaccs.com for more products

Contact at rockmautox@gmail.com for any concerns or problems in Canada.

SAFETY NOTES

Never Exceed the manufacture's roof rack load limit.

Ensure load is evenly distributed between the two crossbars and that it is as low as possible refer to specification.

Confirm lightness every 1000 km, periodically check that the load is secure and crossbars are securely tightened.

Ensure that crossbar installed in correct orientation.

Ensure that the crossbars are fully installation to the side supports with no gaps.

ROKIOTOEX will warranty all ROKIOTOEX brand car rack systems and its accessories manufactured by ROKIOTOEX during the time that an original retail purchaser owns the product. This warranty terminates if a purchaser transfers the product to any other person.

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