

INSTALLATION MANUAL

RIVAL

4x4 ACCESSORIES

PRODUCT: TRAVELER ROOF RACK

APPLICATION: TOYOTA LAND CRUISER 250 (2024-PRESENT)

PART NO: 2T.5703.1



CAUTION!

To reduce the risk of serious injury or damage to property: Before you start installing and using this product, read the full instructions, pay special attention to the conditions of safe use and recommendations for installation! When installing or maintaining this product, it is necessary to use protective goggles. Check the integrity of the installed components and torque all hardware every 250 miles (400 kms). Discontinue use if there is any damage to the structure or fasteners!

NOTICE

Skid plates are supplemental protection. We cannot guarantee protection against all possible damage from impacts. When driving, be careful of objects and terrain that may damage sensitive parts of the vehicle.

TRAVELER ROOF RACK

Part number: 2T.5703.1

Suited to vehicle: Toyota Land Cruiser 250 (2024-Present)

Material: Aluminum / Stainless steel

Added Vehicle Height: 2.9 inch (74 mm)



SAFETY NOTICE

- * The RIVAL roof rack is designed to complement the use and design of the specified vehicle under conditions underlined by the vehicle manufacturer.
- * While driving the vehicle at any speed, collision with another vehicle, animal or object must always be avoided.
- * The operation of a vehicle where the roof rack is not properly attached and fastened to the vehicle, or where it has been damaged, must be avoided at all cost.
- * It is recommended that you carry out regular inspections of all the bracket fittings.
- * Roof load capacity specified by vehicle manufacturer - 176lbs (80kg)
- * Recommended speed limit with installed roof rack up to 56m/h (90 km/h)

INSTALLATION NOTICE

- * The RIVAL roof rack must be mounted and affixed to the vehicle according to the installation manual provided by an authorized RIVAL dealer or Motor dealer or by a special vehicle repair or fitment center.
- * Personal safety during the installation process must be adhered to at all times and the use of personal safety equipment is highly recommended.

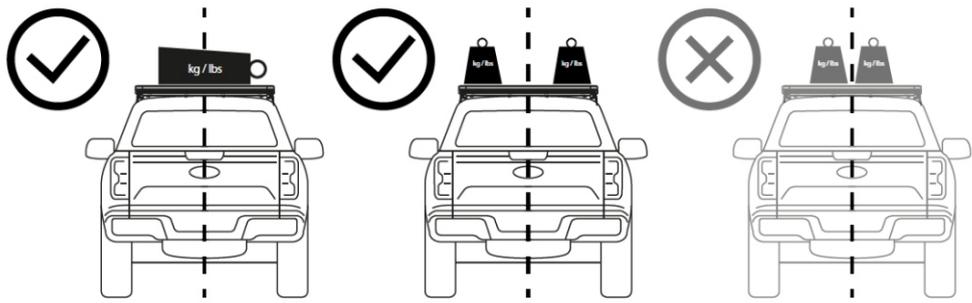
REQUIRED TOOLS

- * Basic tool kit
- * Torque wrench

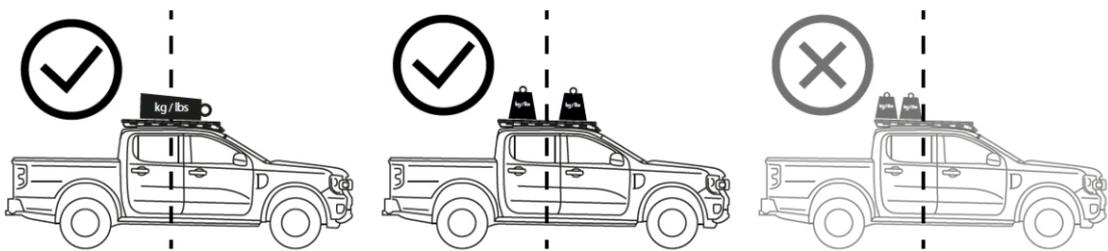
TORQUE SETTING

- * M6 - 9.8 N·m (6.6 lb/ft)
- * M8 - 24 N·m (17.7 lb/ft)

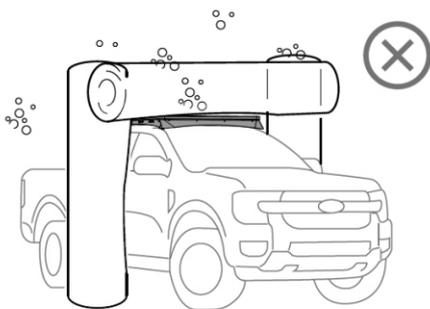
ATTENTION!



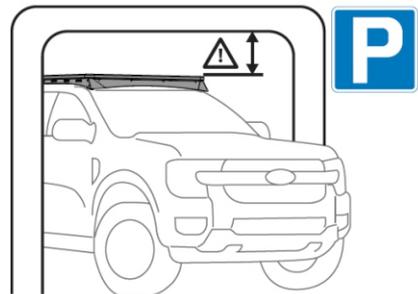
Distribute weights uniformly and lengthwise of roof rack as close to the middle as feasible throughout the span.



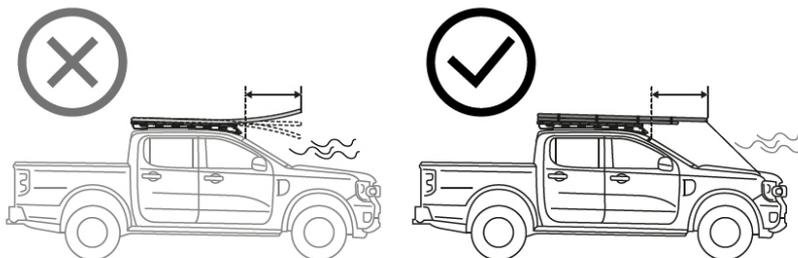
Steer clear of point loads that are concentrated at the front or back.



Before using the automated car wash, it is necessary to remove the roof rack to avoid damaging the washing equipment or the rack itself.

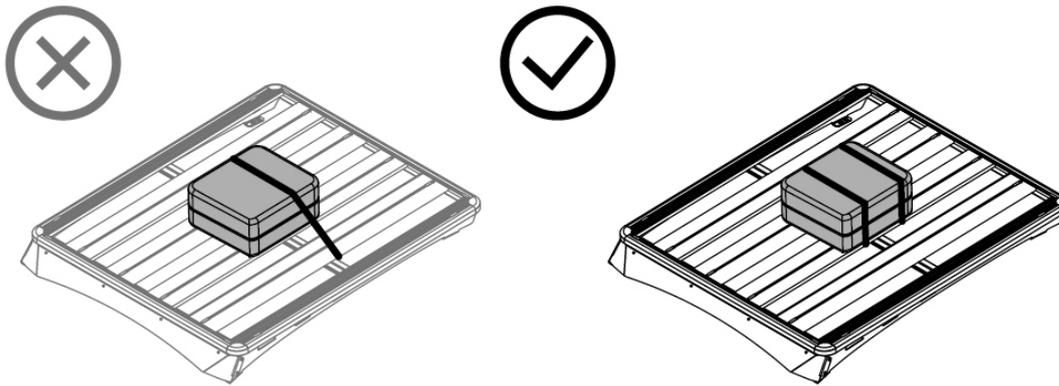
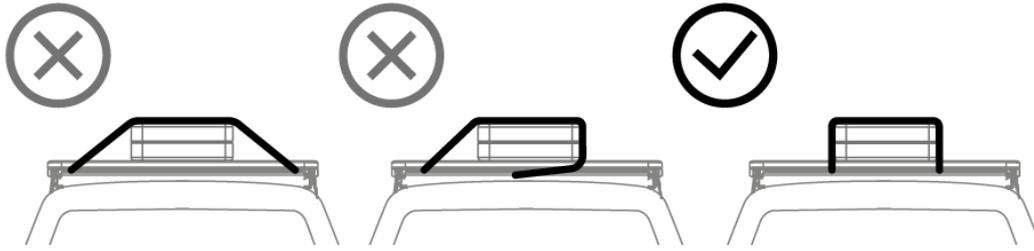


Ensure that the height of the vehicle with the roof rack is within the allowable limit for entering the underground parking.



Properly position long items (that exceed the roof's dimensions) secured on the roof rack in relation to the vehicle.

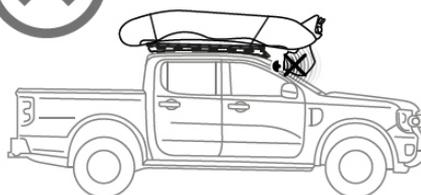
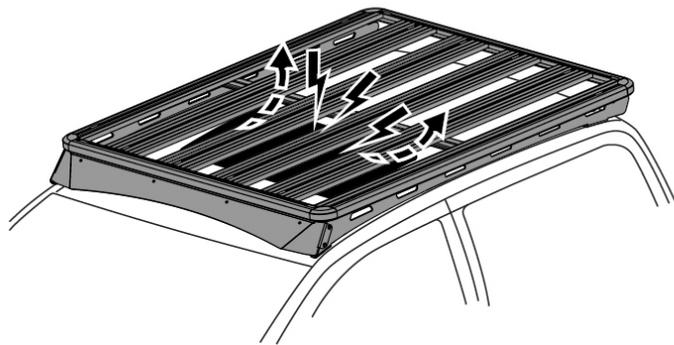
ATTENTION!



Properly position the cargo on the straps. Oversized loads need to be secured from both sides.

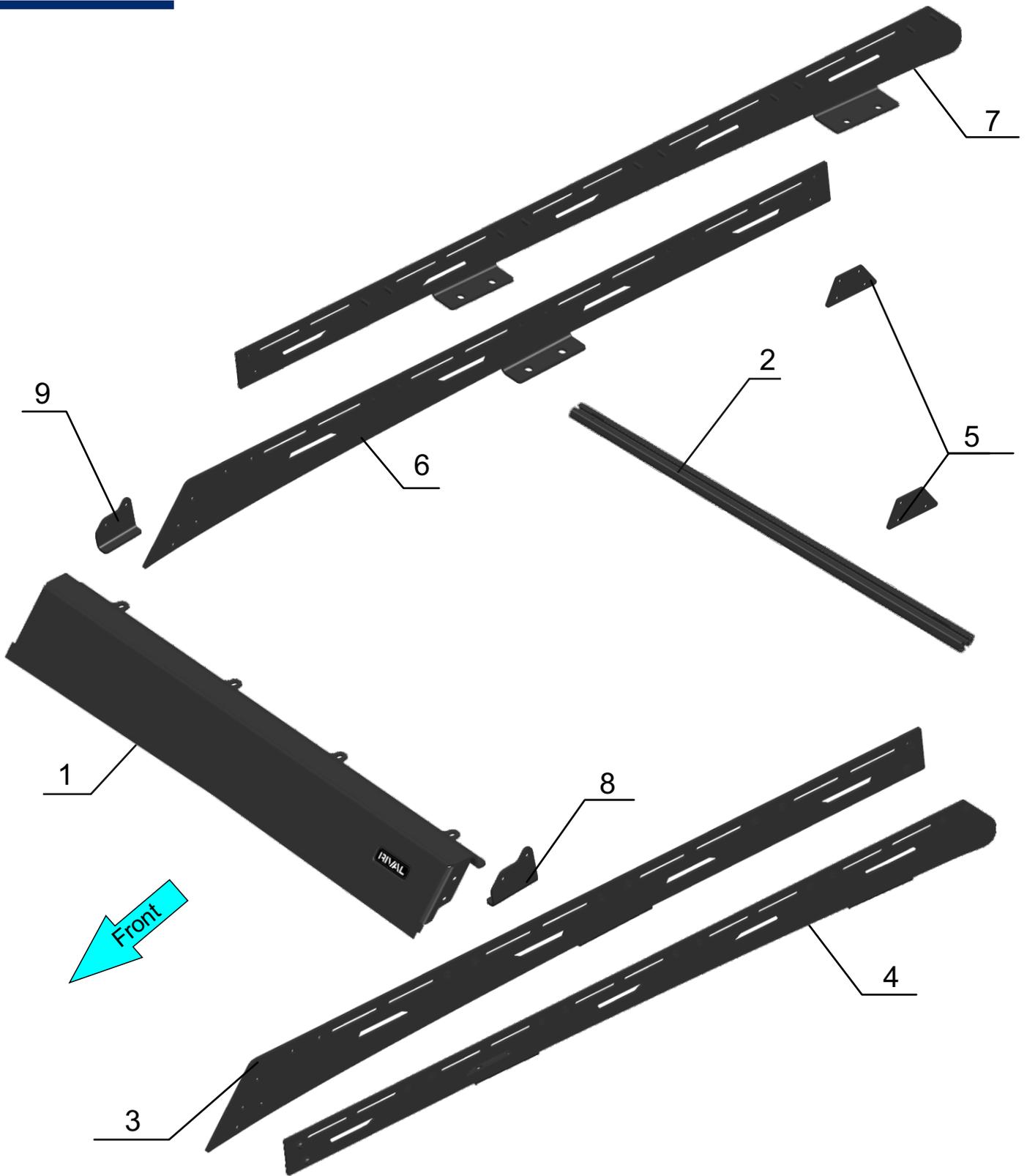


Make sure that the sunroof does not hit the roof rack when opened.



There is a risk of damaging the cargo and obstructing the visibility of standard safety systems while driving.

PARTS LISTING



- 1. Wind deflector..... Qty 1
- 2. Aluminum profile 1180 mm..... Qty 10
- 3. Front left bracket..... Qty 1
- 4. Rear left bracket..... Qty 1
- 5. Connecting plate..... Qty 2
- 6. Front right bracket..... Qty 1
- 7. Rear right bracket..... Qty 1
- 8. Front left foot Qty 1
- 9. Front right foot Qty 1

PARTS LISTING

A



D



F



B



E



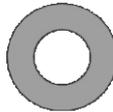
G



C



J



I



H



K



- A. Screw M6x1x25..... Qty 52
- B. Bolt M8x1x20..... Qty 4
- C. Bolt M8x1x60..... Qty 12
- D. Washer M6..... Qty 64
- E. Spring washer M6..... Qty 52
- F. Nut M6..... Qty 10
- G. Nut M8..... Qty 4
- H. Spacer..... Qty 6
- I. Sealant..... Qty 1
- J. Washer M8..... Qty 16
- K. Spring washer M8..... Qty 16

SPARE PARTS

A



- A. Screw M6x1x25..... Qty 4

INSTALLATION PROCEDURE

*If you have LC250 without factory roof rail, skid steps 1-4



Fig. 1

1. Remove rear factory plastic pads from the roof rails.



Fig. 2

2. Remove central factory plastic pads from the roof rails.



Fig. 3

3. Remove front factory plastic pads from the roof rails.

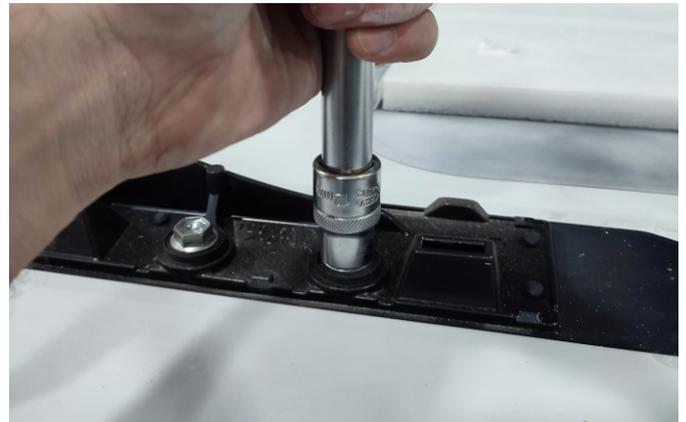


Fig. 4

4. Remove factory roof rails with saddle brackets.

INSTALLATION PROCEDURE

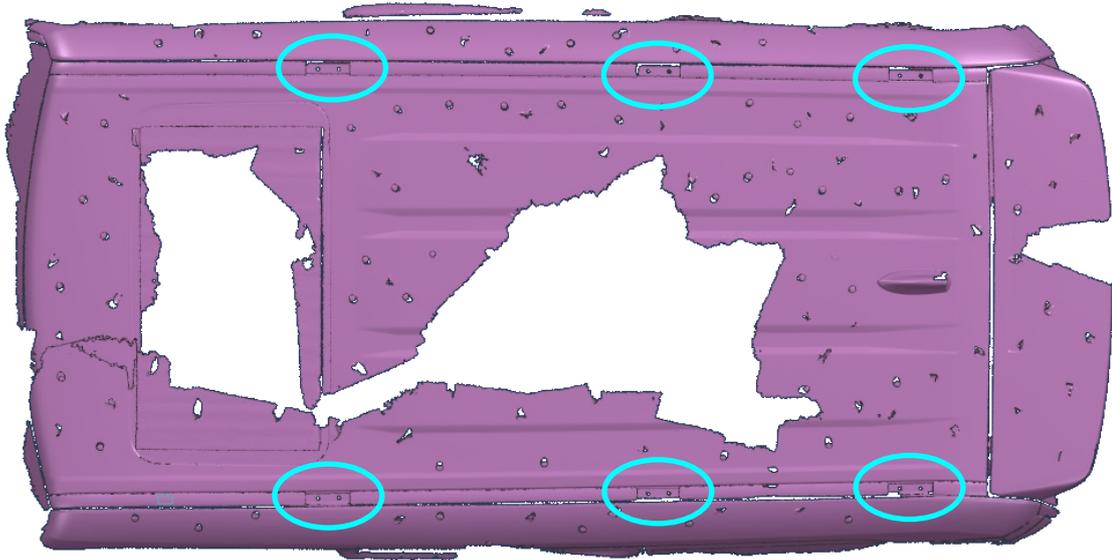


Fig. 5

5. For LC250 without factory roof rails remove covers and saddle brackets as shown in fig 5.



Fig. 6



Fig. 7

6. Apply sealant (item J) and put the spacers at all mounting points of the roof as shown in fig 6 and 7.

INSTALLATION PROCEDURE

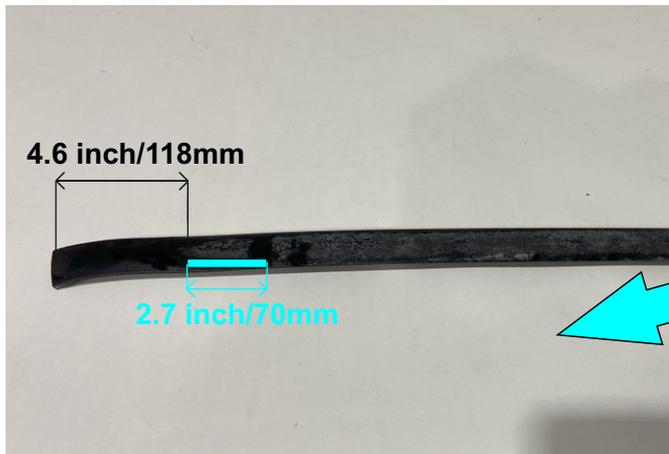


Fig. 8

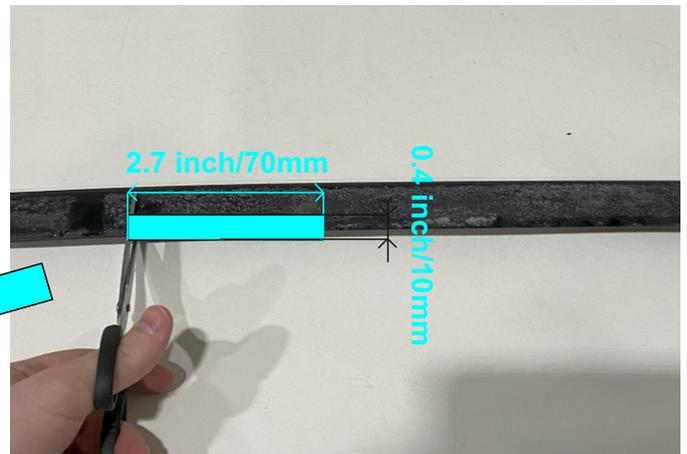


Fig. 9

7. Mark the position of the front foot in the ditch as shown in fig. 8. After that, remove gutter seal from the roof rack. Trim the gutter seal and remove the small part (70x10 mm) as shown in fig.9.

***Do not cut rubber seal on the vehicle to avoid damaging the roof.**

8. Install factory rubber seal on the roof rack using supplied sealant (item J).

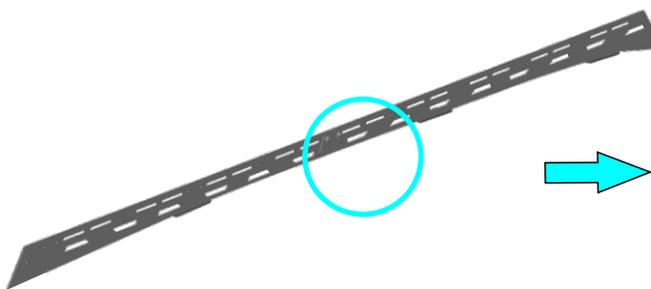


Fig. 10

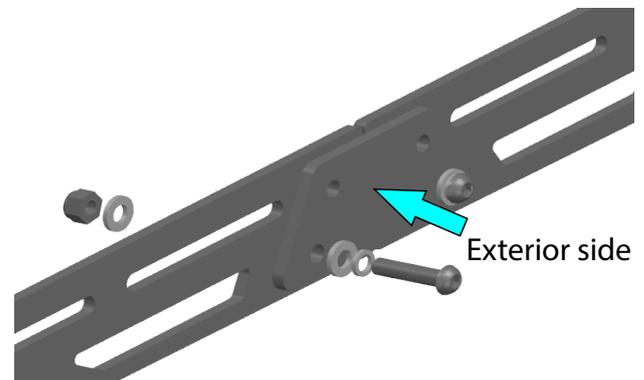


Fig. 11

9. Connect and secure left brackets (item 3 and 4) using central connecting bracket (item 5) and the supplied fitting: screws M6x25, washers M6, spring washers M6 and nuts M6 (items A, D, E, F) as shown in fig. 10 and 11.

***Do not tighten yet.**

**** Repeat the same steps 7-9 for the right side of the vehicle.**

INSTALLATION PROCEDURE



Fig. 12

10. Secure the aluminum profile (item 2) to the assembly left bracket from step 9 using screws M6x25 (item A), washers 6 (item D) and spring washers 6 (item E).

***Tighten hardware after that.**

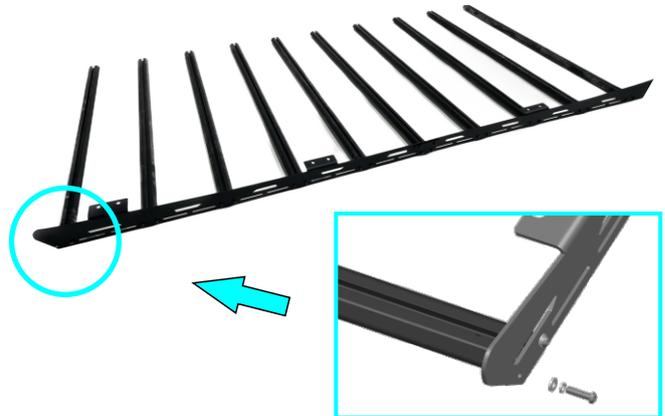


Fig. 13

11. Turn the semi-assembled platform upside down on a flat floor. Secure the remaining aluminum profiles (item 2) to the assembled left bracket using screws M6x25 (item A), washers 6 (item D) and spring washers 6 (item E).

***Do not tighten yet.**

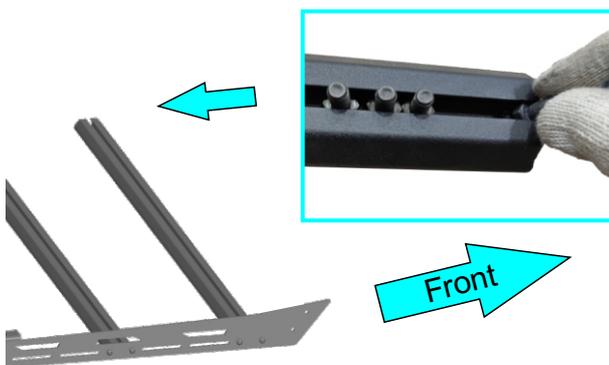


Fig. 14

12. Insert 4 M8x20 bolts (item B) into the T-slot of the front aluminum profile (item 2) as shown in fig. 14. Secure wind deflector (item 1) to the pre-installed aluminum profile using M8x20 bolts (item B), washers 8 (item J), nuts 8 (item G) as shown in fig. 15.

***Do not tighten yet.**

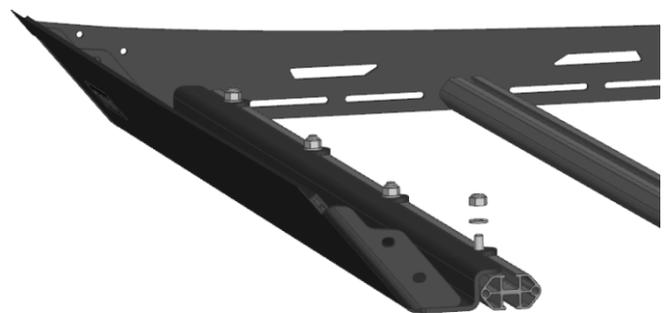


Fig. 15

INSTALLATION PROCEDURE



Fig. 16

13. Repeat the same step 11 for the right side of the vehicle.

***Do not tighten yet.**

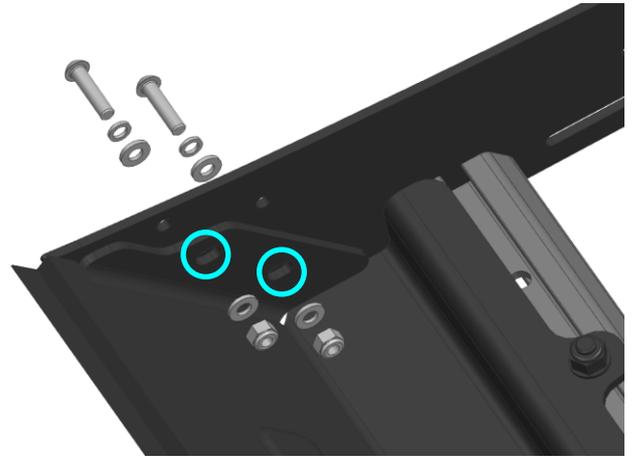


Fig. 17

14. Secure wind deflector to the both mounting brackets using screws M6x25 (item A), washers 6 (item D) and spring washers 6 (item E).

***Do not tighten yet.**



Fig. 18

15. Secure front foots (items 8,9) to the both mounting brackets using screws M6x25 (item A), washers 6 (item D) and spring washers 6 (item E) as shown in fig. 18. and fig.19.

***Do not tighten yet.**



Fig. 19

INSTALLATION PROCEDURE

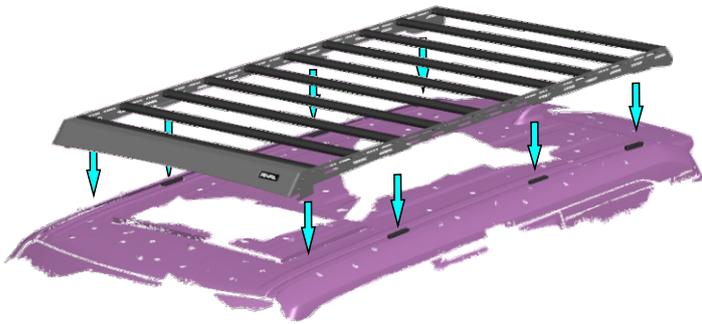


Fig. 20

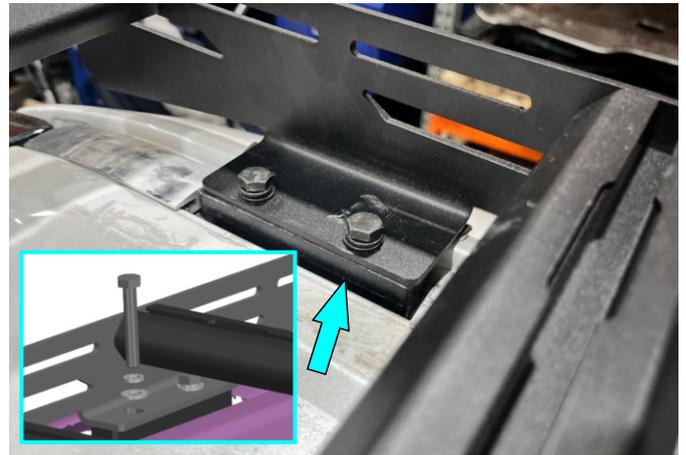


Fig. 21

16. Slightly secure assembled platform on pre-installed spacers on the roof using bolts M8x50, spring washers M8 and washers M8 (items C, K, J). Slide the front foot in the ditch under the drain seal. as shown in fig. 20. and fig. 21.

*Tighten hardware after that

ATTENTION!

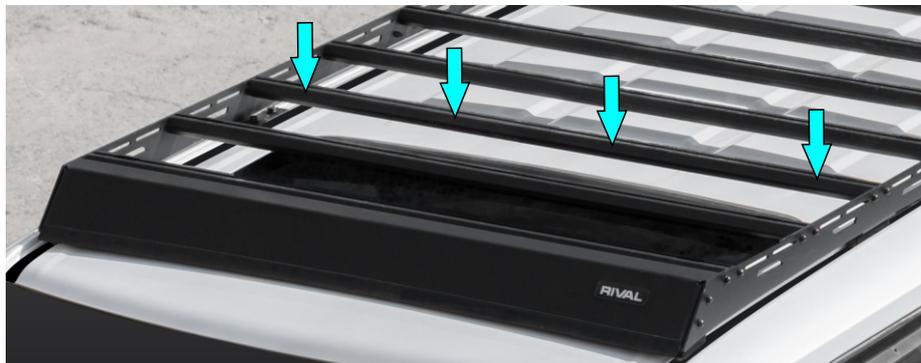


Fig. 22



Fig. 23



Fig. 24

If you plan to provide a high load on the roof rack profile, which is located above the sunroof, the following measures should be implemented:

- Unscrew the mentioned profile on both sides of the vehicle as shown in fig. 22 and 23
- Reposition the profile and secure it as shown in fig. 24

INSTALLATION PROCEDURE

Before operating a vehicle fitted with a RIVAL Roof rack:
- make sure all fittings are tightened



Thank you for your choice!

**Sincerely,
RIVAL 4x4 Team**