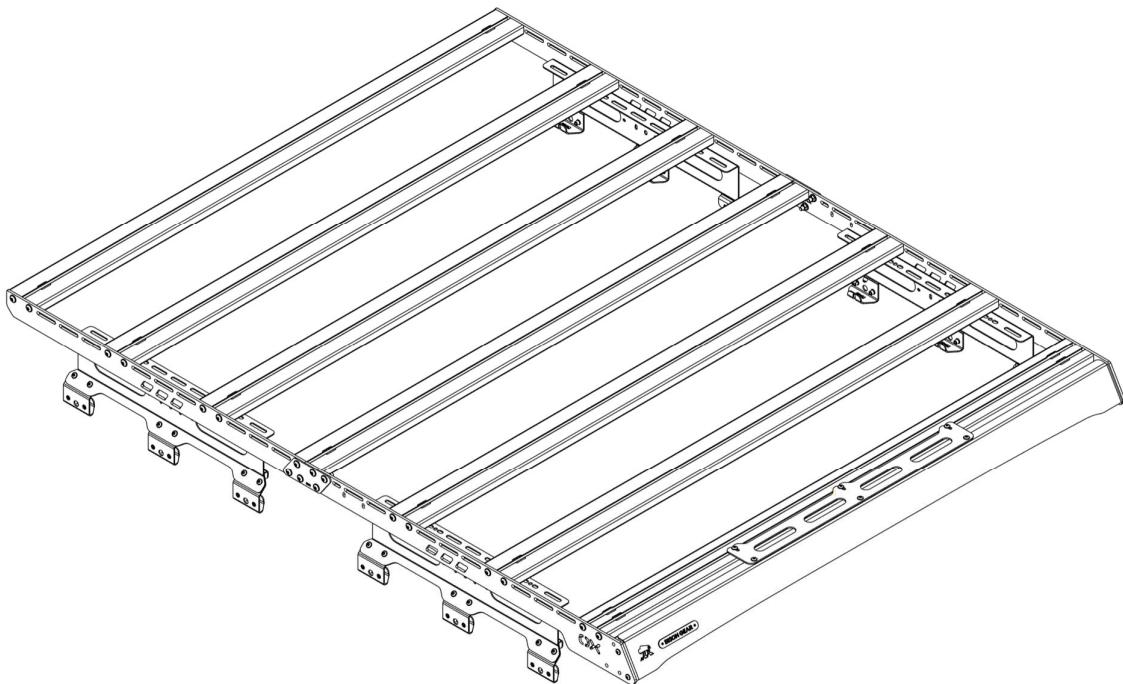




BISON GEAR

INEOS Grenadier Roof Rack ¾ OX Pro Installation Guide

RR-GRND-34-OX-STANDARD





💡 Before you start

The roof rack is designed for the INEOS Grenadier and covers three-quarters of the roof, ending before the section with the safari windows.

It can be extended at any time by purchasing front extension parts from the Bison Gear store.

Before installation:

- Familiarize yourself with these instructions.
- Ensure that all listed parts and hardware are included in the package.
- Prepare a flat surface or floor with a minimum area of 3 x 2.5 meters.
- Gather the required tools.
- Installation requires two adults.

⚙️ Part list

No.	PART	QTY	IMAGE	
1	Profile 90x25 L=1510	7		<input checked="" type="checkbox"/>
2	Front rail R	1		<input type="checkbox"/>



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3	Front rail L	1	
4	Back rail	2	
5	Small connector	2	
6	Large roof bracket	4	
7	Small roof bracket	12	
8	Wind deflector	1	



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9	Wind deflector support bracket	1		
10	Flange nut M6 DIN 6923	7		
11	T-slot M6 nut	3		
12	Flange nut M8 DIN 6923	16		
13	Bolt M6x12 ISO 7380-2	3		
14	Bolt M6x16 ISO 7380-2	31		
15	Bolt M8x25 ISO 7380-2	36		
16	T-Bolt M8x20	8		

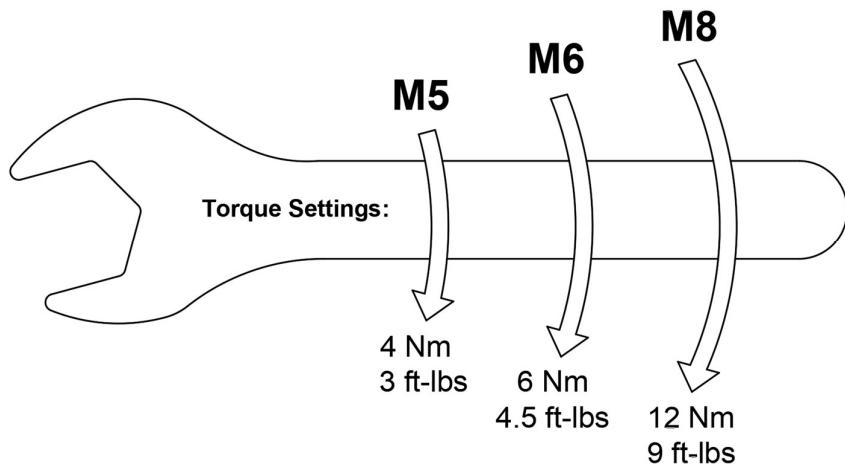


☒ List of necessary tools¹:

- TX30 Torx key
- 4 mm Allen Key (Hex)
- 5 mm Allen Key (Hex)
- 10 mm wrench
- 13 mm wrench
- cutters
- hammer
- wipe
- *(optional) torque wrench

☒ Torque settings:

During assembly, use the recommended tightening torques for screw, unless other parameters are specified for a given connection.



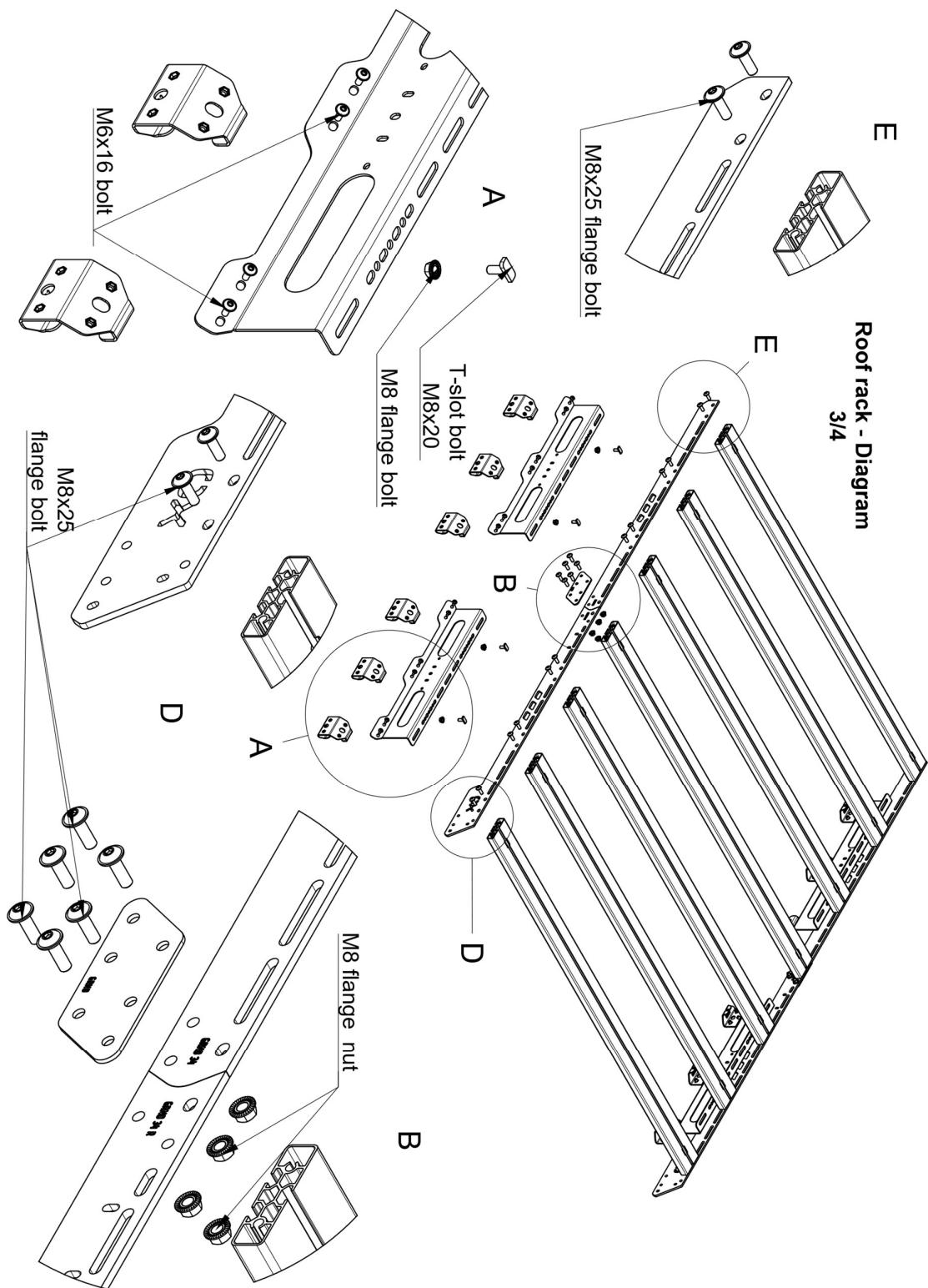
¹ NOTE: The tools **are not** the part of the set.



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Roof rack - Diagram
3/4





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⚙️ Installation:

Before you begin, review the **Roof Rack Diagram** on [page 6](#).

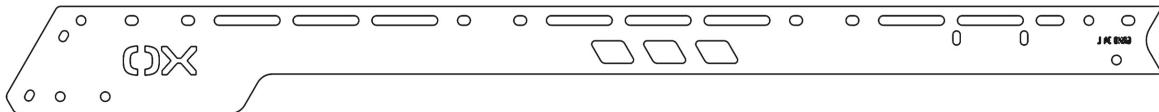
The exploded views illustrates how to assemble and mount the roof rack parts.

Follow the steps below to install product correctly:

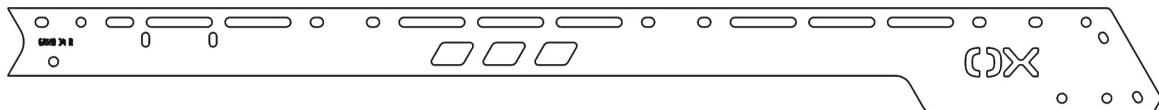
1. Start by preparing the product parts and gathering the necessary tools.

2. Assemble the small connectors and rails using **M8x25 bolts** and **M8 flange nuts** (assemble both the left and right sides of the roof rack). The front rails are side-specific and are marked with **L** (left) or **R** (right). Only pre-screw the bolts.

Front rail – left side

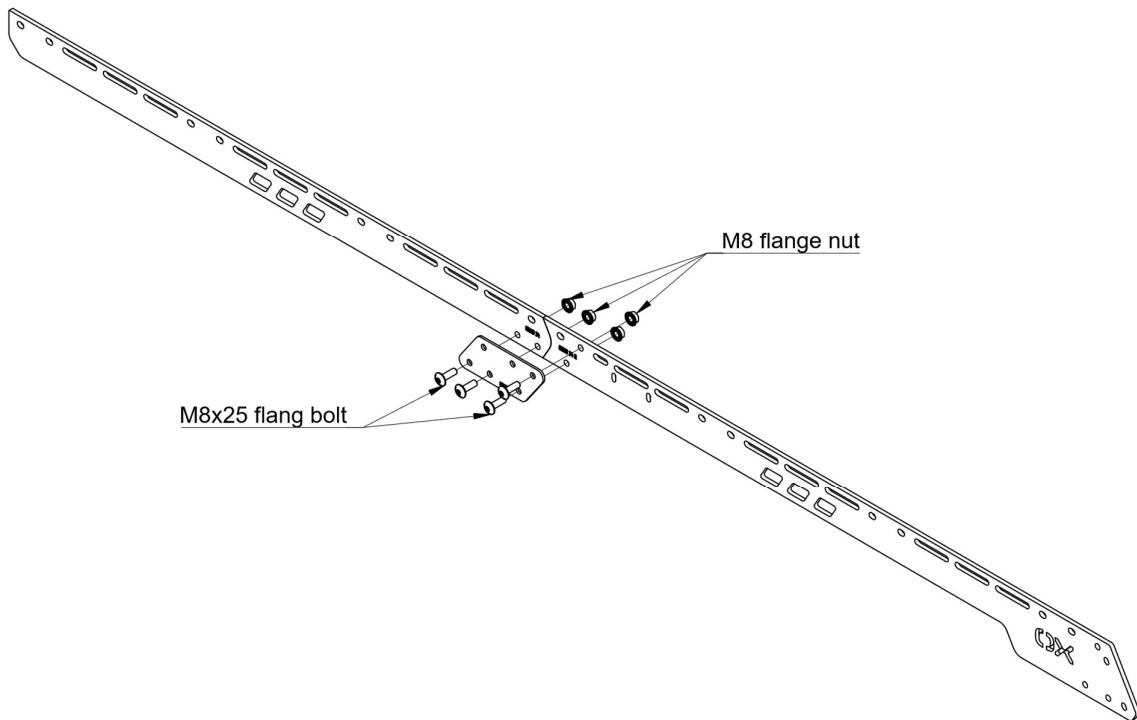


Front rail – right side





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(Picture illustrate the right side of the roof rack rail, the left side is a mirror view)

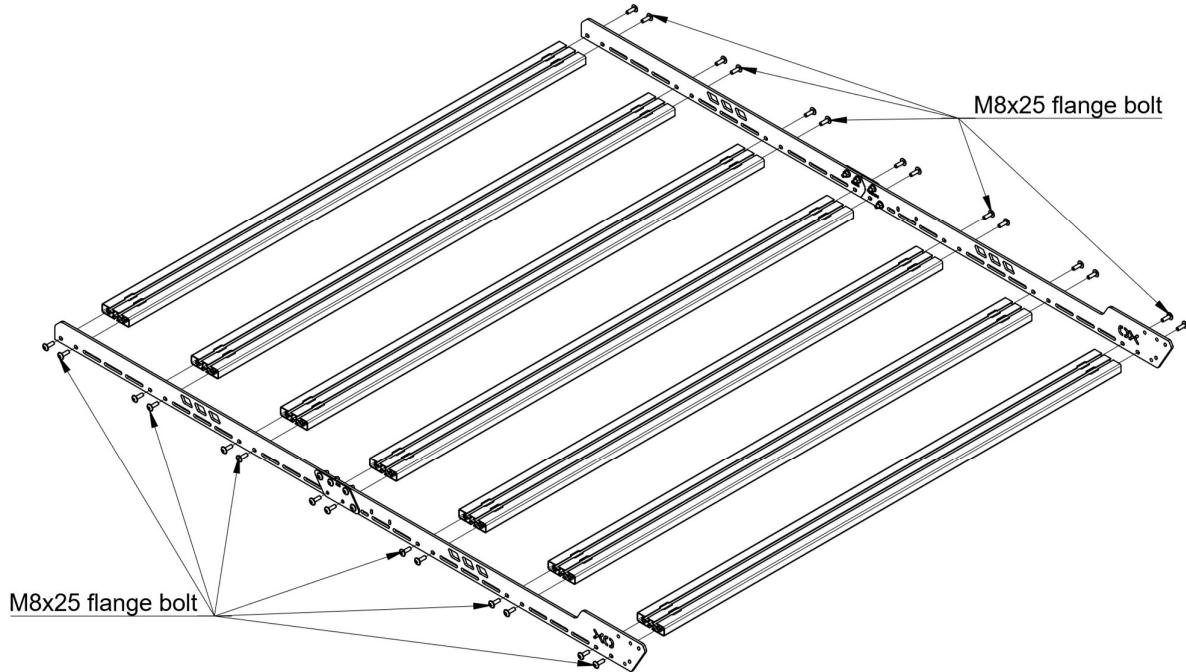
3. Assemble the side parts of the roof rack with the crossbars using **M8x25 bolts**. At first, only pre-screw all bolts. It is recommended to mount the roof rack upside down on a flat surface to ensure the top side is perfectly flat.

*****Important**

The Bison Gear crossbar features one T-slot on one side and two T-slots on the other. It is symmetrical, allowing it to be mounted on the roof rack in either direction. If you wish to change the orientation, simply unscrew the four bolts and switch sides.



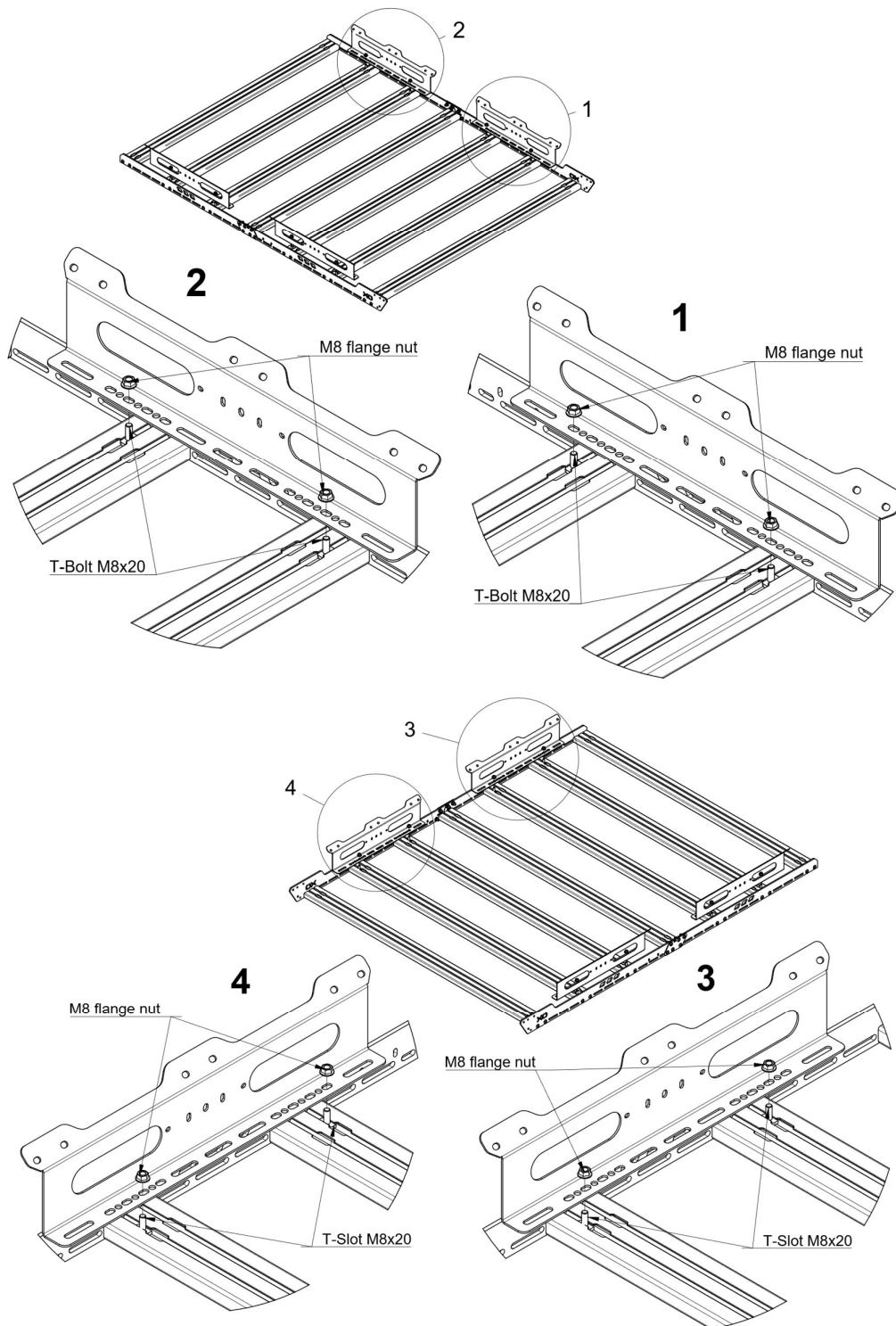
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4. Pre-screw the large roof brackets. Use the **T-bolts M8x20** and **M8 flange nuts**. (the crossbars has a special hole on the slot which able to slide the T-Bolts into the slot.) The position of the large brackets is illustrated below. Pre-screw all four brackets (two on the left and two on the right side of the roof rack).



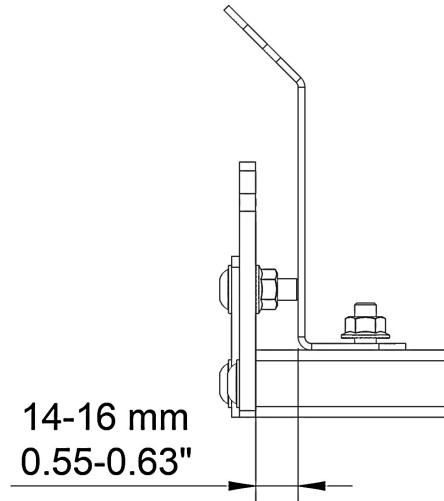
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5. Before tightening fully, adjust the distance between the large roof bracket and the railings to **14-16 mm (0.55"-0.63")**, then slightly tighten the nuts so the bracket stays in place but can still be fine-tuned; the main tightening should be done after placing the rack on the roof

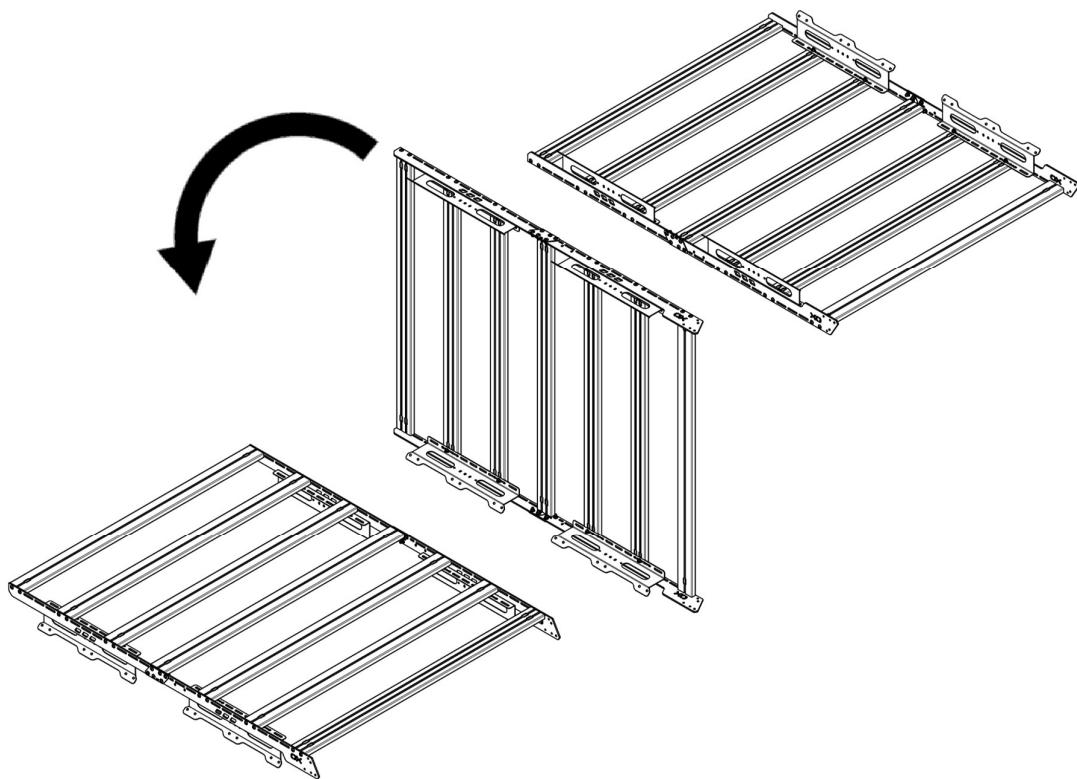


6. Make sure that top surface of the roof rack is perfectly flat. Tighten the bolts and nuts.



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7. Turn the roof rack backside down.

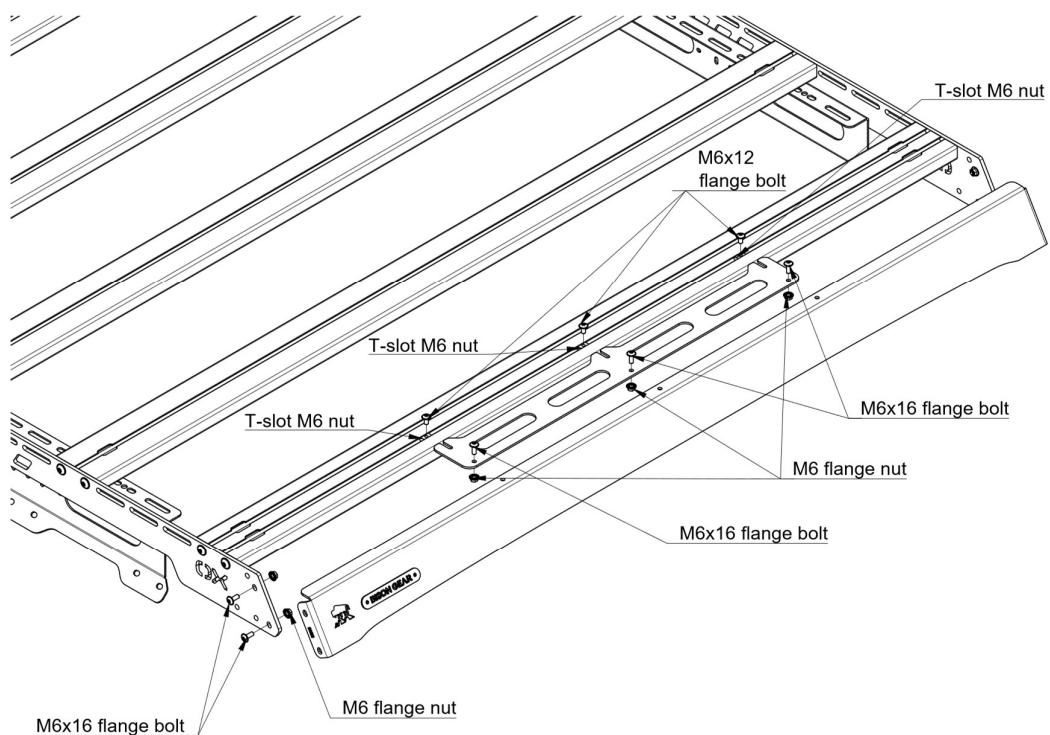




8. Install the front wind deflector:

- use **M6x16 bolts** and **M6 nuts** to screw together wind deflector and wind deflector bracket;
- use **M6x16 bolts** and **M6 nuts** to screw the wind deflector to side railings;
- use **T-slot M6 nuts** and **M6x12 flange bolts** to screw the wind deflector to first crossbar.

Tighten the bolts.



9. The roof rack preparation is done. The next part of instruction refers to installation on the car. Before you starts prepare some parts:

- Small roof brackets
- M6x16 flange bolts



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10. Remove the factory bolts from the roof bars using a TX30 bit or screwdriver, then install the small roof rack brackets with the same bolts, repeating the process for all **12 brackets**.



11. Tighten the bolts.

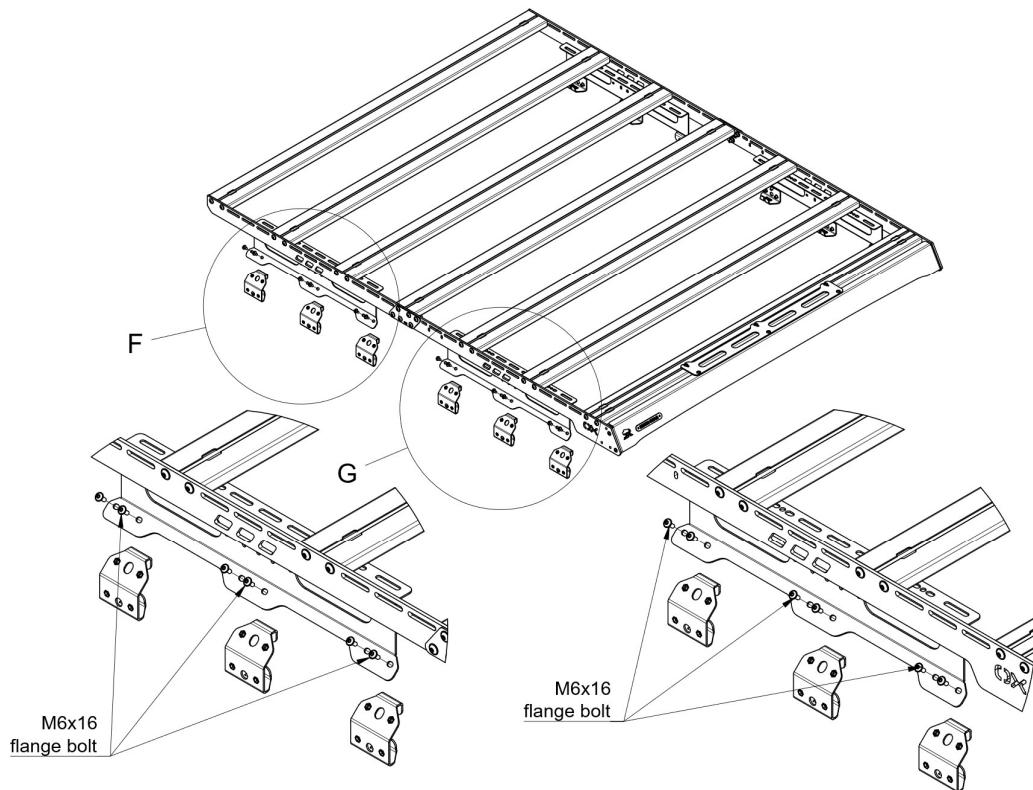
***** Important!**

In the next step, you will need the assistance of at least one adult to help lift the entire construction onto the roof.



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12. Place the roof rack on the roof and pre-screw the large bracket to the previously installed small bracket using **M6x16 flange bolts**.



13. Tighten the **M6x16 flange bolts**.

14. Tighten the bolts.

Make sure that everything is mounted properly, and all the bolts are tightened. If everything is correct, your work is done.

After driving 50km with rack on the roof, check all the bolts and retighten them if necessary.



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Have a great time with Bison Gear product!



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