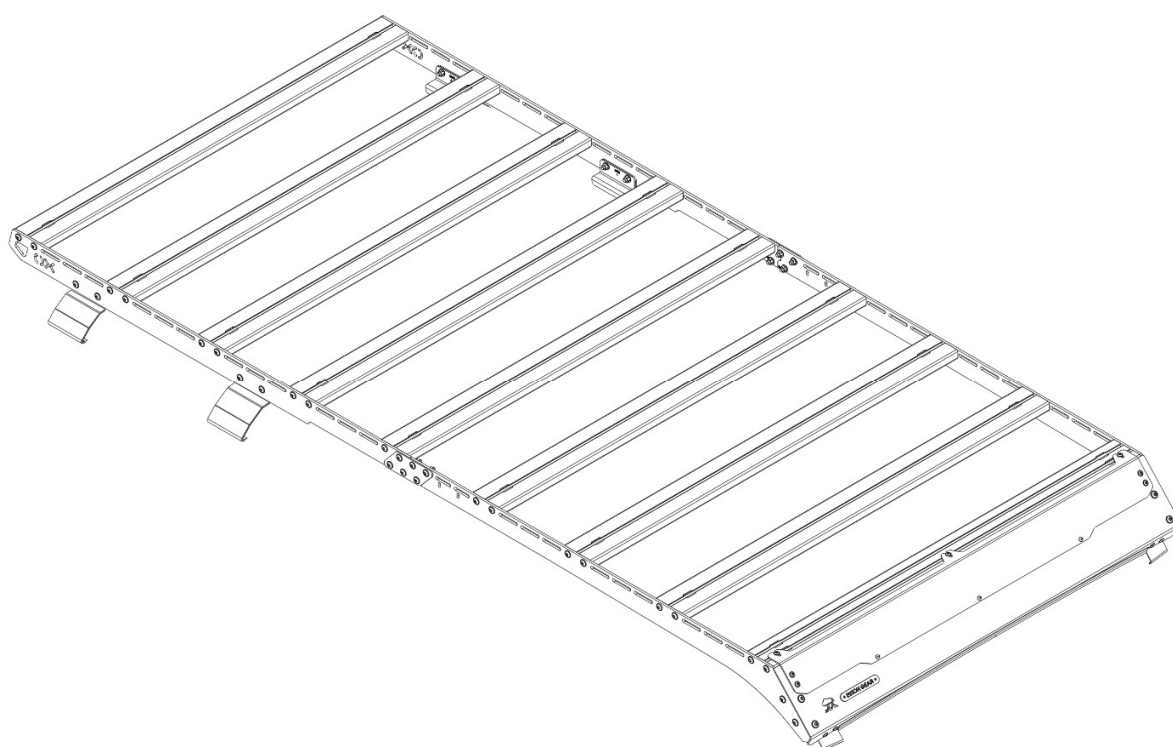




**BISON GEAR**

# FORD BRONCO 6G 4-DOOR ROOF RACK OX PRO INSTALLATION GUIDE

**RR-BRN-6G4D-OX**



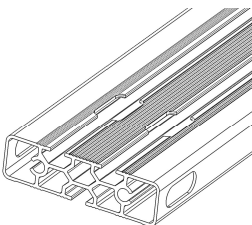
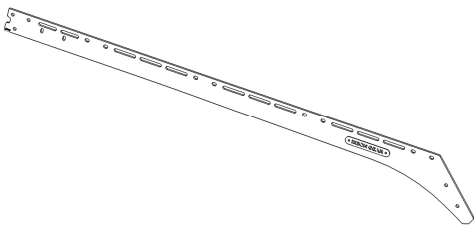
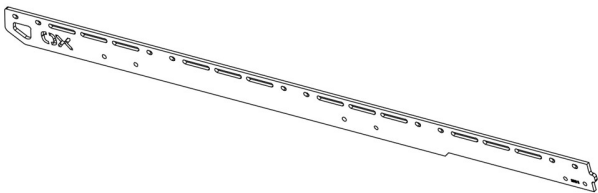
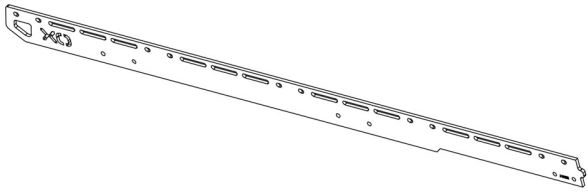


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## Before you start

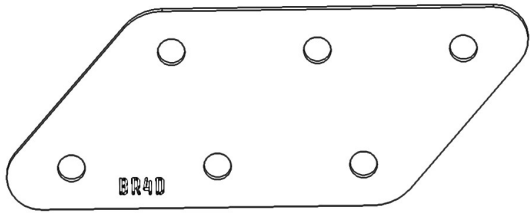
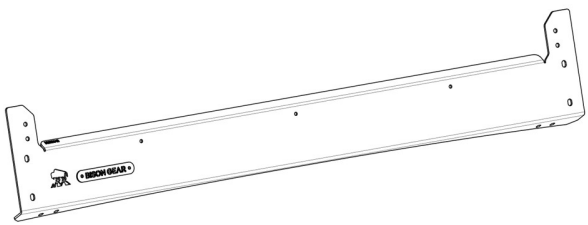
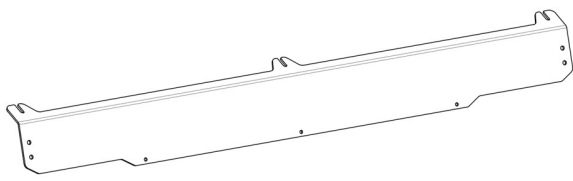
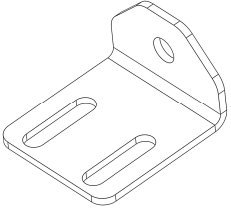
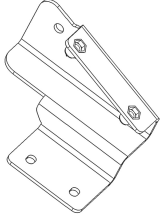
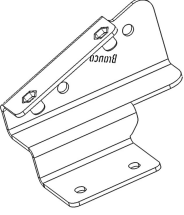
Familiarize yourself with these instructions. Ensure that all listed parts and hardware are present in package. Locate a flat surface or floor with a minimum area of **3 x 2.5 meters**. Gather the required tools. The installation requires two adult people.

## Part list

No.	PART	QTY	IMAGE	<input checked="" type="checkbox"/>
1	Profile 90x25 L=1180	9		
2	Front rail	2		
3	Back rail R	1		
4	Back rail L	1		

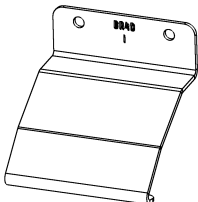
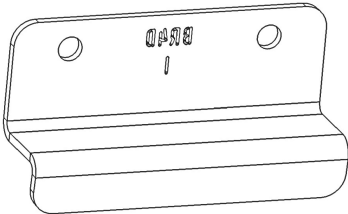
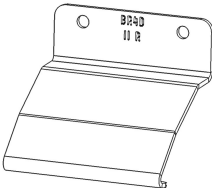
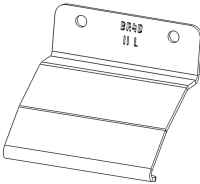
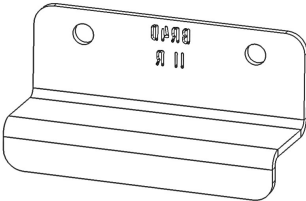
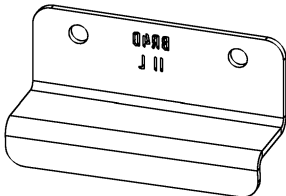


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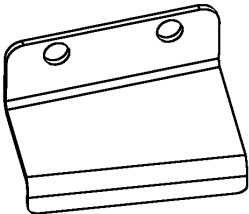
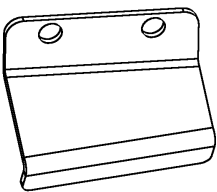


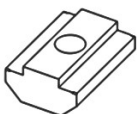
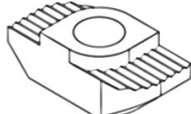
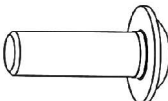
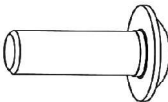
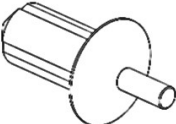
5	Connector	2		
6	Wind deflector	1		
7	Wind deflector cover			
8	Led bar bracket	2		
9	Front roof bracket L	1		
10	Front roof bracket R	1		



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11	Middle external bracket "I"	2		
12	Middle internal bracket "I"	2		
13	Back external bracket "II" R	1		
14	Back external bracket "II" L	1		
15	Back internal bracket "II" R	1		
16	Back internal bracket "II" L	1		

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17	Right front cover	1		
18	Left front cover	1		
19	M6 Flange nut DIN 6923	12		
20	M8 Flange nut DIN 6923	22		
21	M6 T-slot nut	3	 or 	
22	M6x12 Flange bolt ISO 7380-2	11		
24	M8x25 Flange bolt ISO 7380-2	62		
25	Plastic clip	3		



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26	Rubber wind deflector gasket	1,1 m		
27	Protection tape	1.4 m		
28	EPDM tape	65x11 cm		



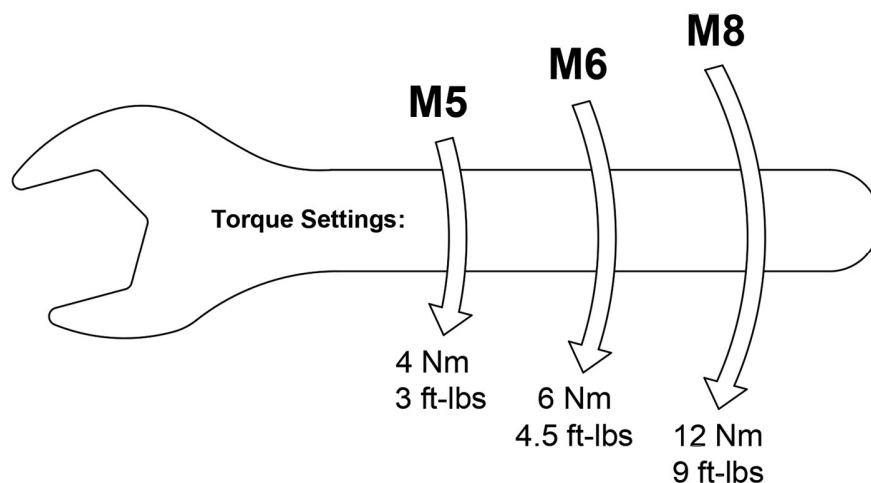
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## ✂ List of necessary tools<sup>1</sup>:

- 4 mm Allen Key (Hex)
- 5 mm Allen Key (Hex)
- 10 mm wrench
- 13 mm wrench
- cutters
- hammer
- \*(optional) torque wrench

## ✂ Torque settings:

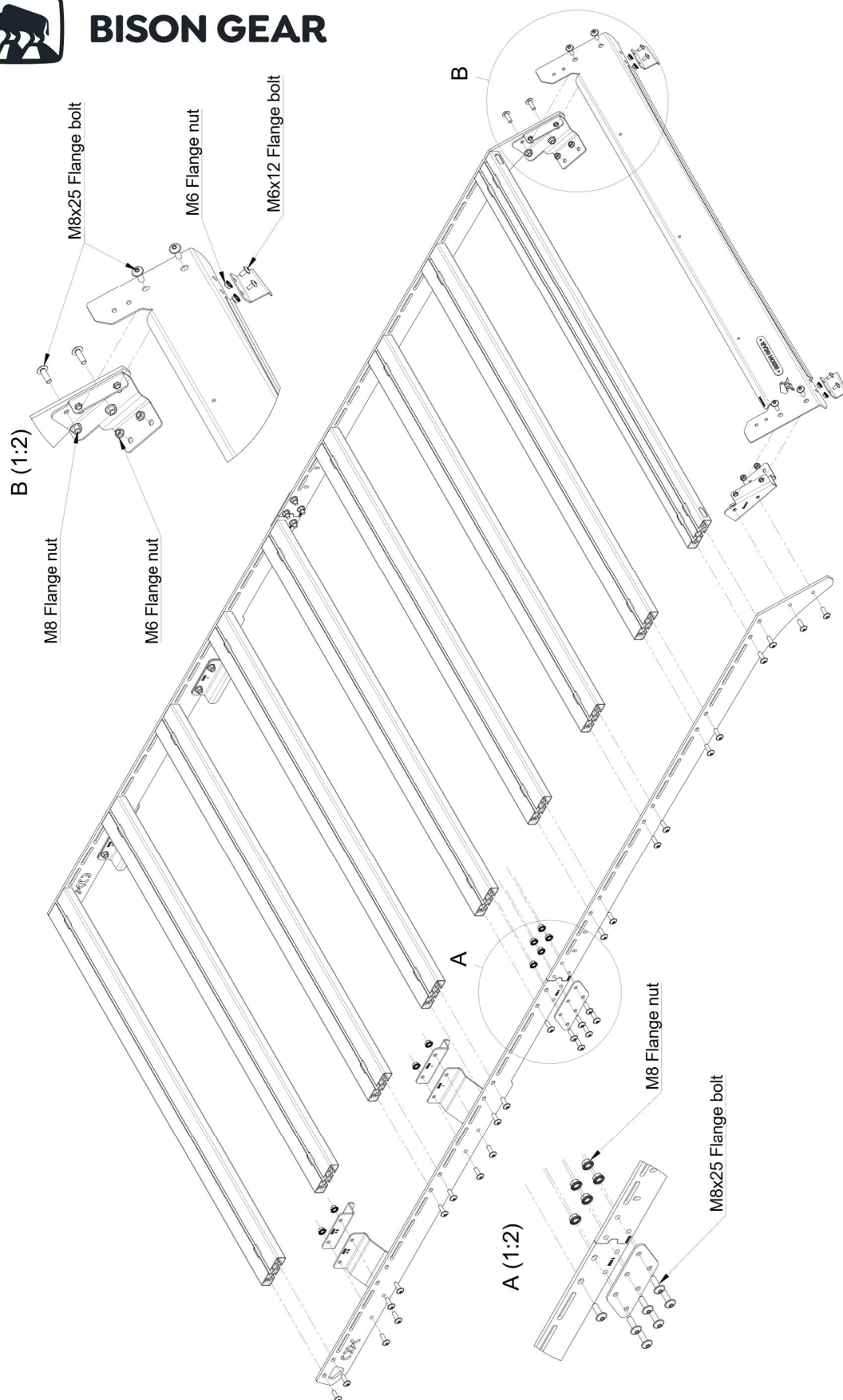
During assembly, use the recommended tightening torques for all the bolts, unless other parameters are specified for a given connection.



<sup>1</sup> NOTE: The tools **are not** the part of the set.



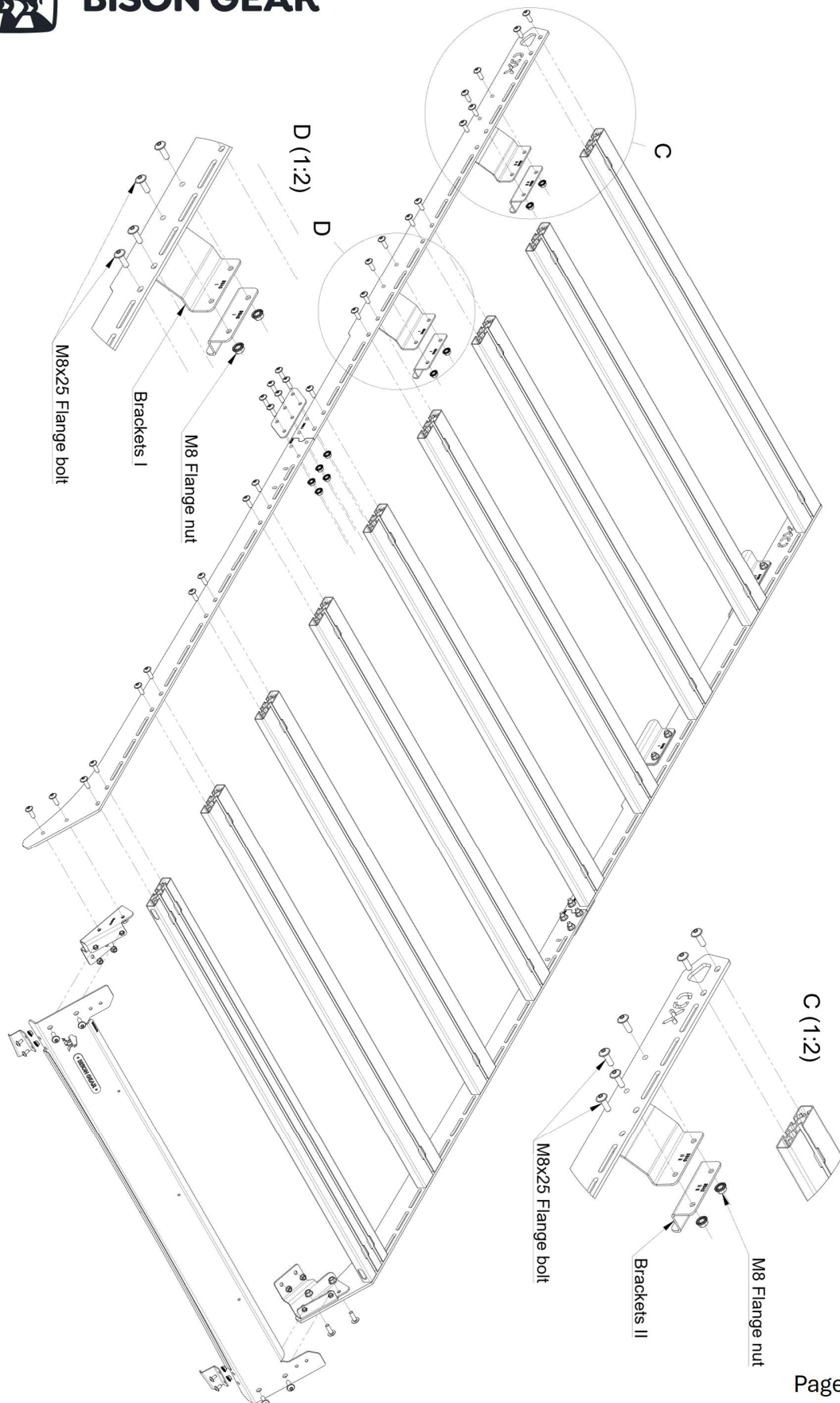
**BISON GEAR**







**BISON GEAR**





**BISON GEAR**

## Installation:

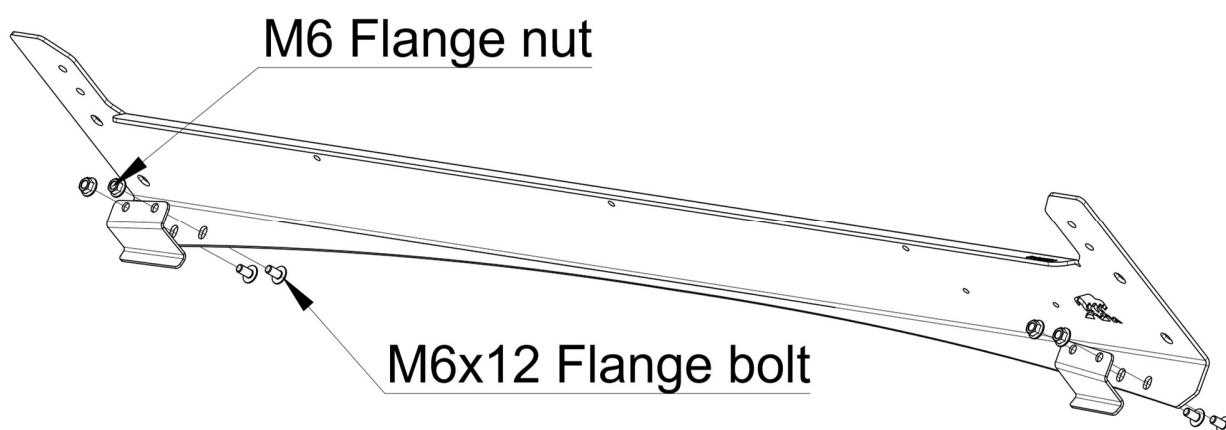
Before you begin, review the roof rack diagrams on **pages 8 and 9**.

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

The Roof Rack is a 2-in-1 design – it can be used as a standard front wind deflector or include a LED bar cutout that allows installation of a 42” LED Bar lamp.

Follow the steps below to install product correctly:

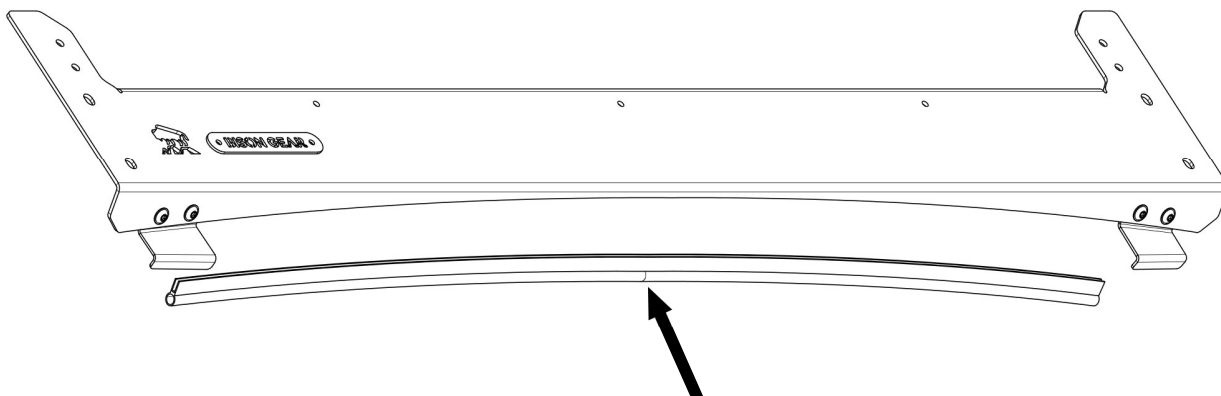
1. Start by preparing the product parts and gathering the necessary tools.
2. Screw **the front covers to the wind deflector** using **M6x12 bolts** and **M6 nuts**.





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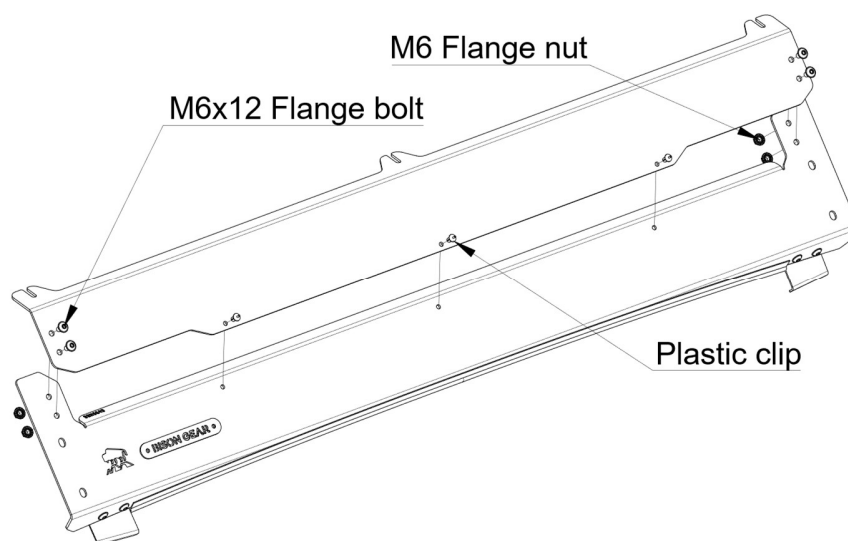
3. Place and trim (if necessary) **the rubber gasket** on the wind deflector.



4. **Decide if you want to use the led bar or the standard version.**

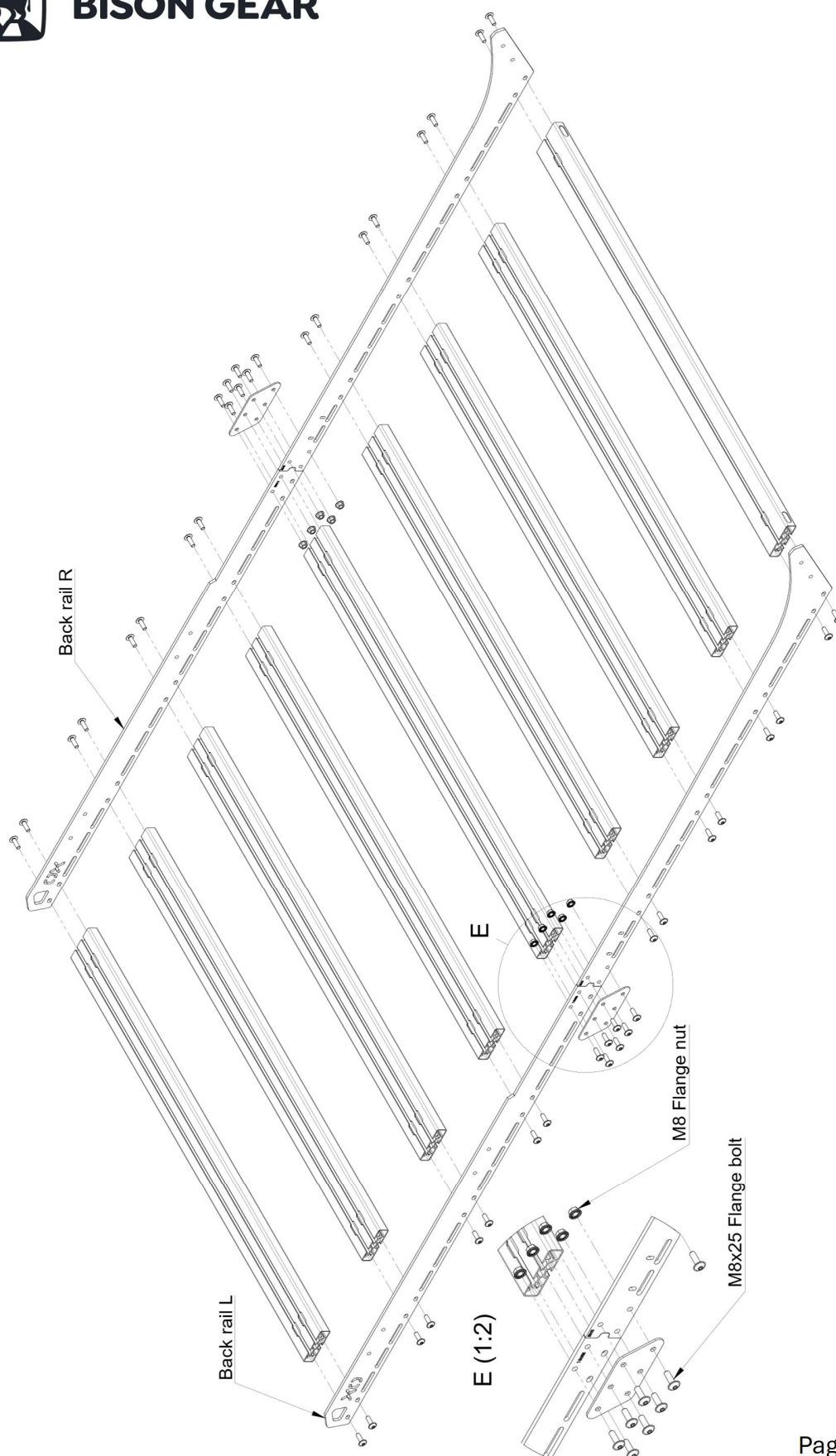
Place the cover on the wind deflector. Insert the plastic clips into the holes, then press the pins down until they lock with the clips. If necessary, use a hammer to gently tap them into place.

Screw the 4 M6x16 flange bolts and M6 flange nuts as shown in the picture below. **If you want to use the led bar, use the same bolts to install the included led bar brackets.**





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5. Assemble the rails, connectors and the custom bar with the crossbars using **M8x25 flange bolts** as shown on **page 12**. At first, only pre-screw all the 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.

If you want to use the standard version of the wind deflector, make sure that the first crossbar is mounted with the two slots facing up.

There is a difference between the back rail; refer to the picture below to see how to assemble them properly.

Back rail R



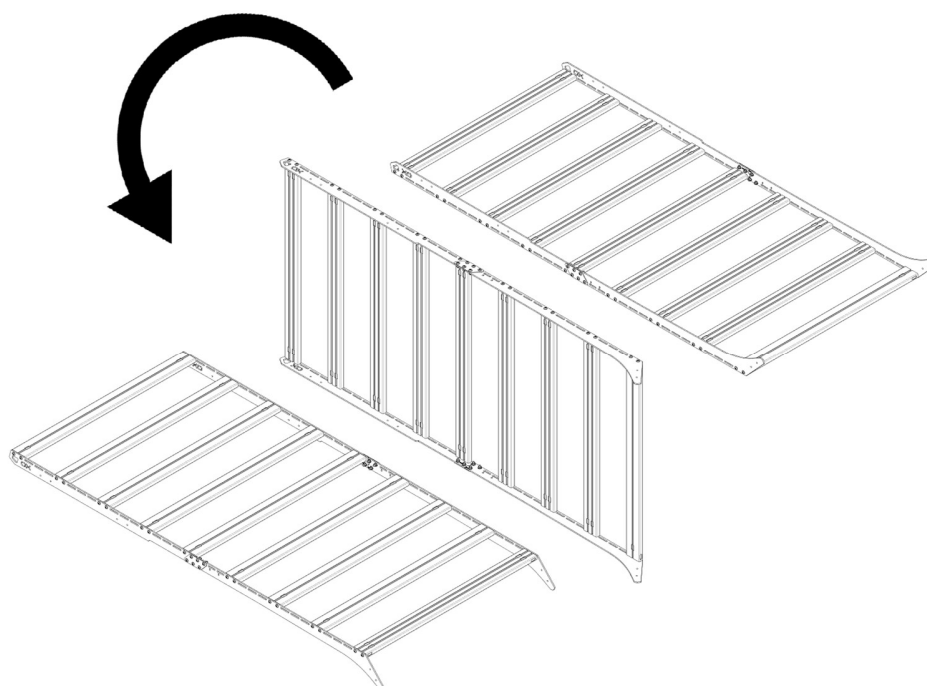
Back rail L



6. Tighten all the bolts.
7. Turn the roof rack back.



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8. Screw the **front brackets** to the roof rack using **M8x25 bolts** and **M8 nuts**. Tighten them to the torque of - 25 Nm /18.5 ft-lbs.

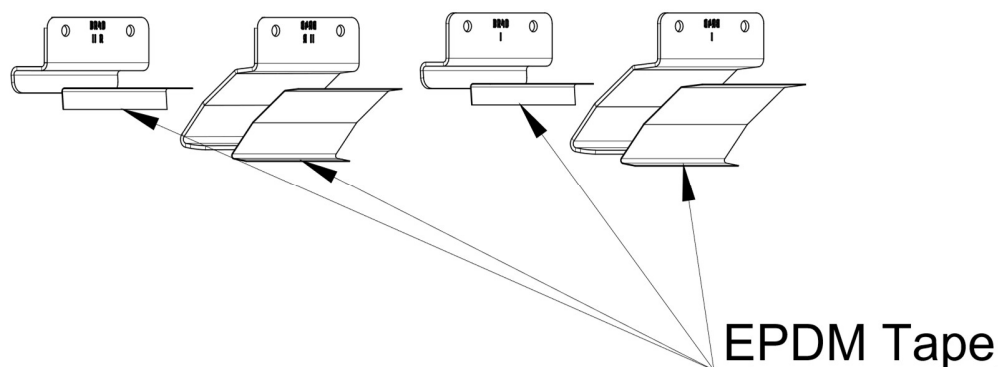


9. If You have on the roof some items like – railings, roof rack etc., you need to remove them before mounting the Bison Gear roof rack.
10. Remove the front plastic covers (above the windshield) and unscrew two M6 nuts on each side and remove the covers base.



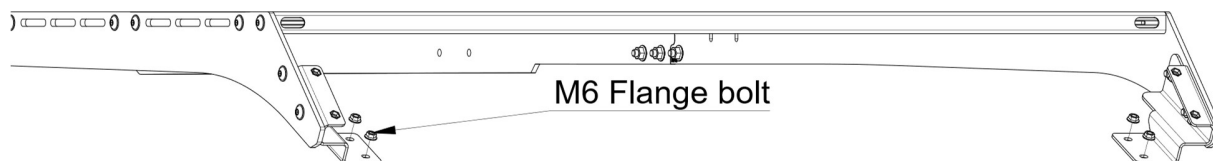
**BISON GEAR**

11. Use the included **EPDM tape** to ensure your car's paint will not get damaged. Cut it into shape and glue it to **all 8 back brackets as shown below**.



12. In the next step you will need assistance of **minimum one other adult person** who will need to help you put the whole construction on the roof. Before you start, prepare back external and internal brackets and set of fasteners (**8 x M8x25 bolts, 8 x M8 nuts and 4 x M6 nuts**).

13. Place the roof rack on the car (the front brackets mounting holes should go on the front threaded pins) and lightly screw the M6 Flange nuts.



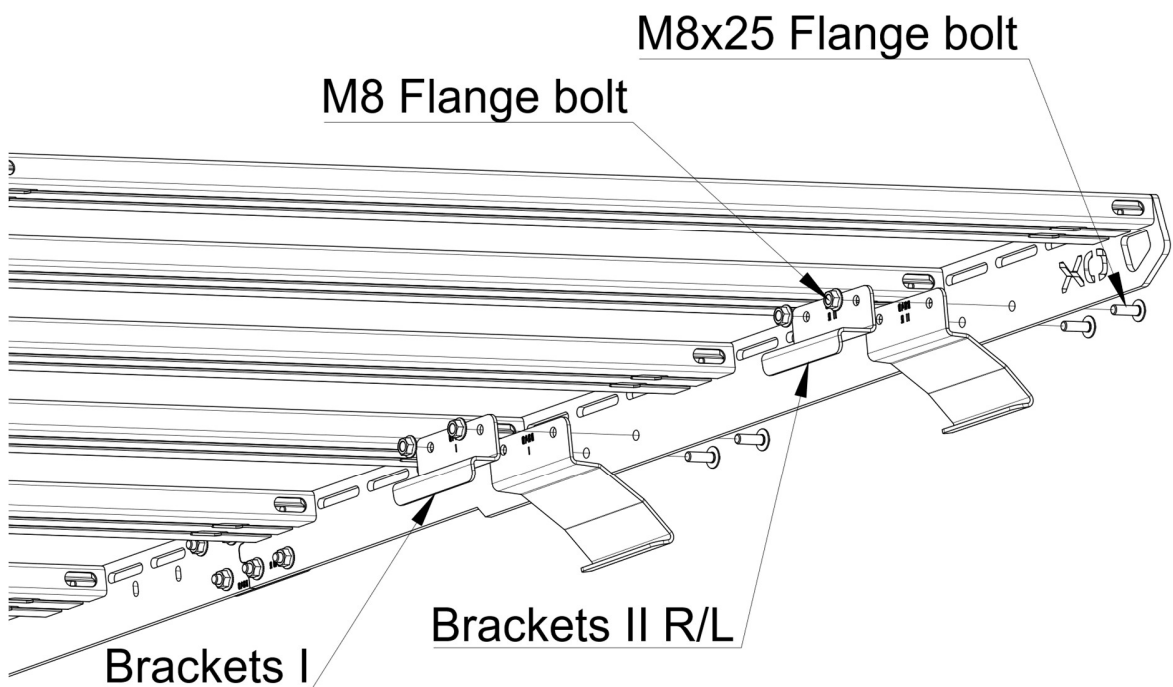




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14. Place the external brackets in the roof slots (**all the brackets should be screwed on the internal side of the rails as shown below**), next, place the internal brackets and screw all parts together using **M8x25 flange bolts** and **M8 flange nuts** as shown below.

**Look closely at the brackets for the markings: I, II L and II R.** Brackets marked as “I” are the middle brackets, both sides are identical, and the ones marked with “II” are the rear brackets and they are different between right and left sides (marked respectively as R and L



15. Adjust the position of the roof rack if.

16. Tighten the bolts and nuts from **steps 13 and 14** using:

- 25 Nm / 18.5 ft-lbs of torque for the M8x25 flange bolts/nuts
- 10,5 Nm / 7,7 ft-lbs of torque for M6 flange nuts



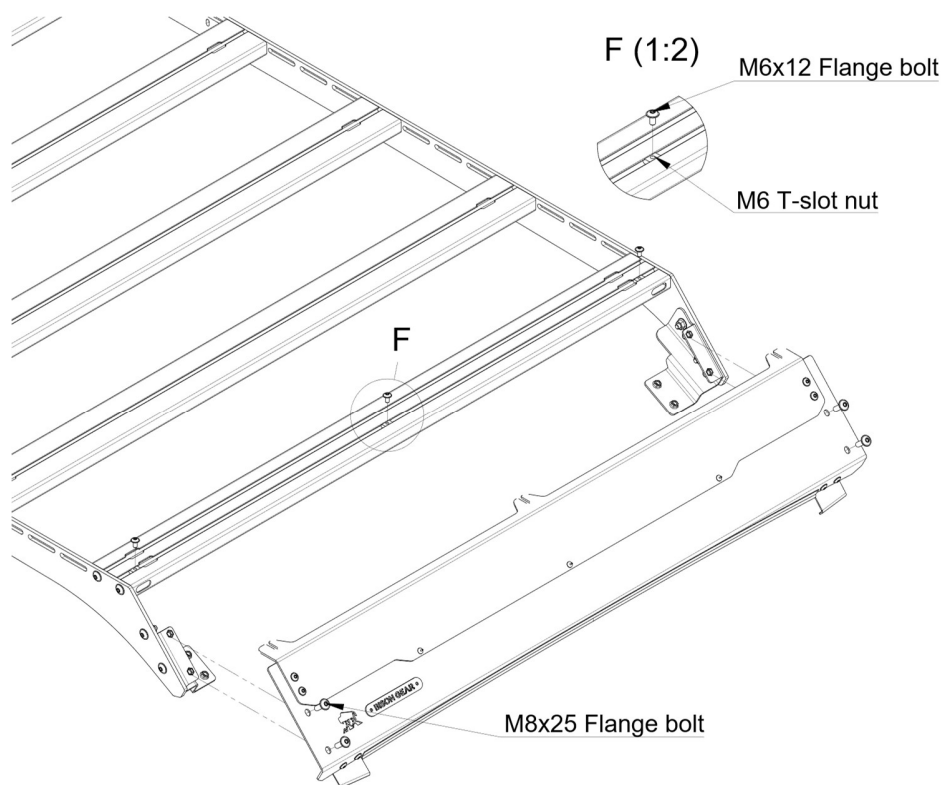


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17. Place and screw the **wind deflector** using **M8x25 bolts**, **M6x12 bolts** and **T-slot M6 nuts**.

**!!! Important**

The set includes protective tape. We recommend glueing it where the rubber gasket of the wind deflector and car's roof meet. This will prevent any damage to the paintwork at the point of contact.



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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Phone: **+48 505 642 981**