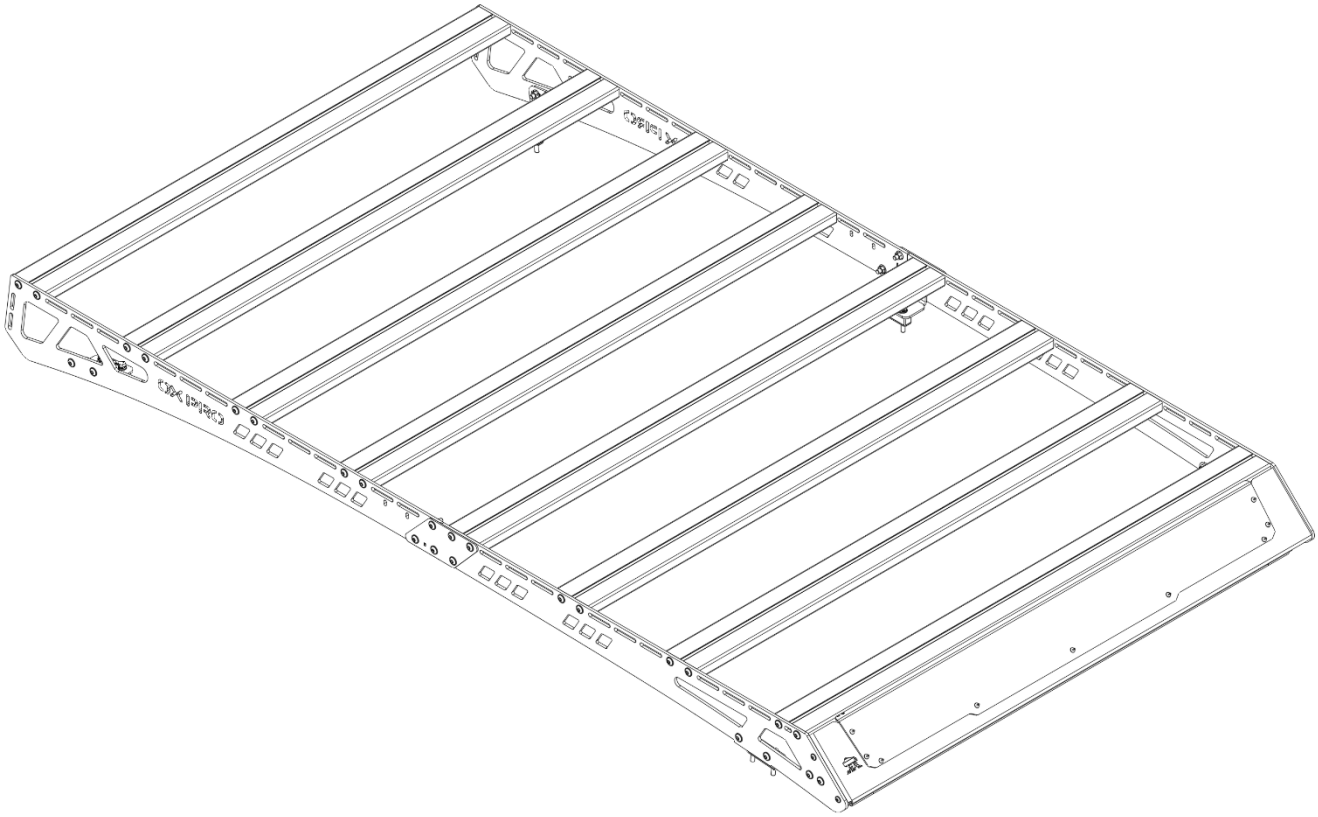
BISON GEAR

Toyota FJ Cruiser
Roof Rack OX PRO
Instalation guide

RR-FJ-OX



V.17.07.2025 (PK)

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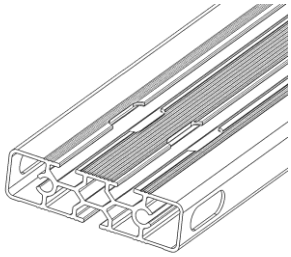
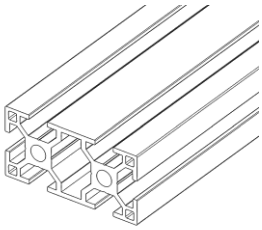
Before you start

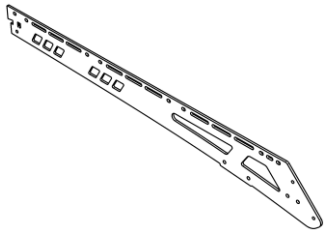
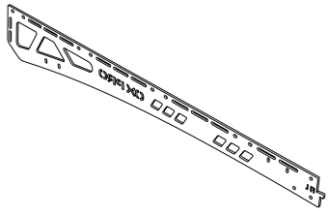
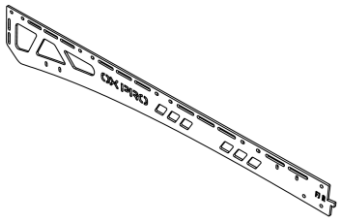
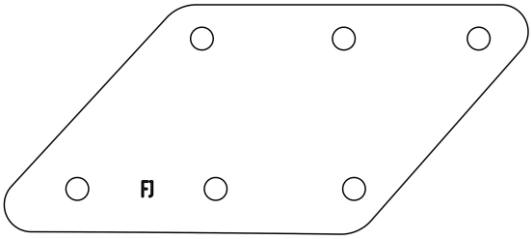
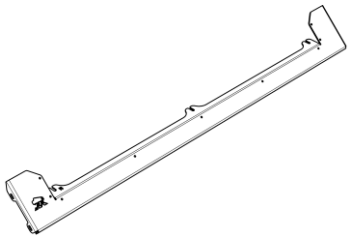
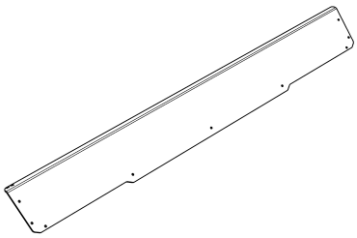
The Roof Rack is a 2-in-1 model – it can be used either as a standard front wind deflector or with an LED bar cutout, allowing installation of a 42” LED Bar lamp. The base version comes with the LED cutout, which can be easily converted to the standard version by attaching a specially designed cover. This converts the roof rack into the standard version.

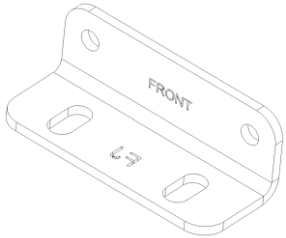
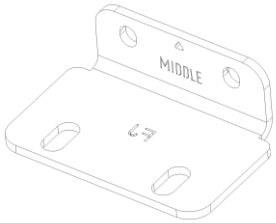
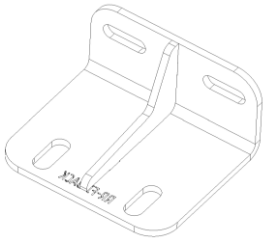
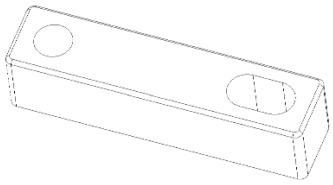
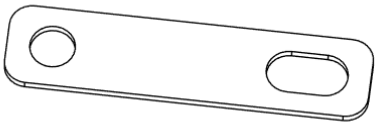
Before installation:

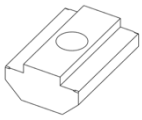
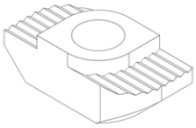
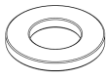
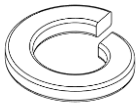
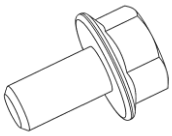
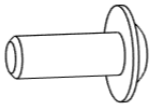
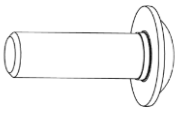
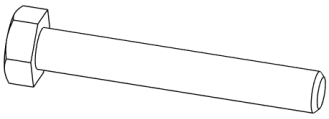
- Familiarize yourself with these instructions.
- Ensure that all listed parts and hardware are included in the package.
- Prepare a flat surface or floor with a minimum area of 3 x 2.5 meters.
- Gather the required tools.
- Installation requires two adults.

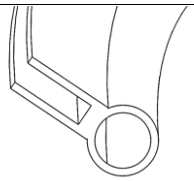
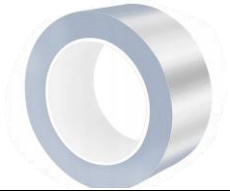
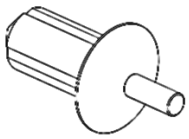
Part list

No.	PART	QTY	IMAGE	☒
1	Profile 90x25 L=1260	**8**		
2	Profile 60x30 L=1260	**1**		

3	Front rail	**2**		
4	Back rail L	**1**		
5	Back rail R	**1**		
6	Connector	**2**		
7	Wind deflector	**1**		
8	Wind deflector cover	**1**		

9	Front roof bracket	**2**		
10	Middle roof bracket	**2**		
11	Back roof bracket	**2**		
12	Roof spacer H=20	**6**		
13	Rubber pad	**6**		
14	M6 Flange nut DIN 6923	**4**		

15	M8 Flange nut DIN 6923	**16**		
16	M6 T-slot nut	**5**	 **or** 	
17	M8 Flat washer DIN 125	**12**		
18	M8 Spring washer DIN 127	**12**		
19	M6x12 Flange hex bolt ISO 7380-2	**5**		
20	M6x16 Flange bolt ISO 7380-2	**4**		
21	M8x25 Flange bolt ISO 7380-2	**52**		
22	M8x55 Hex bolt DIN 933	**12**		

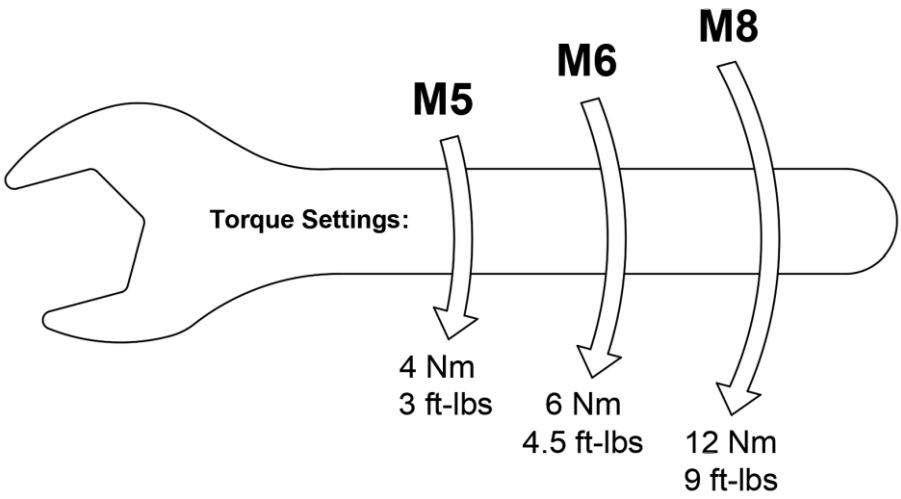
23	Wind deflector gasket	**1.2 m**		
24	Protection tape	**1.4 m**		
25	Plastic clip	**9**		

List of necessary tools[1]:

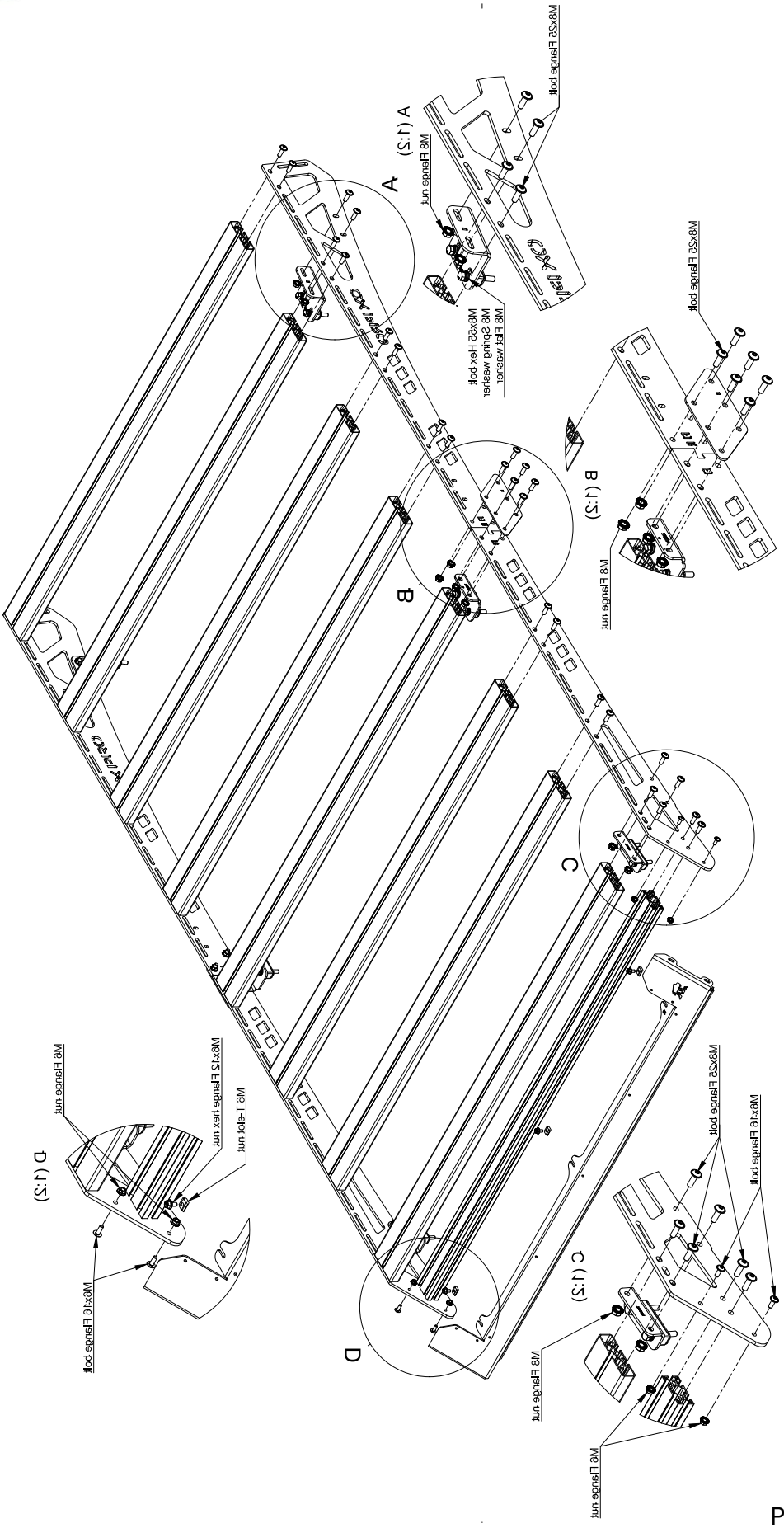
- **4 mm Allen Key (Hex)**
- **5 mm Allen Key (Hex)**
- **10 mm wrench**
- **13 mm wrench**
- **cutters**
- **hammer**
- **wipe**
- ***(optional) torque wrench**

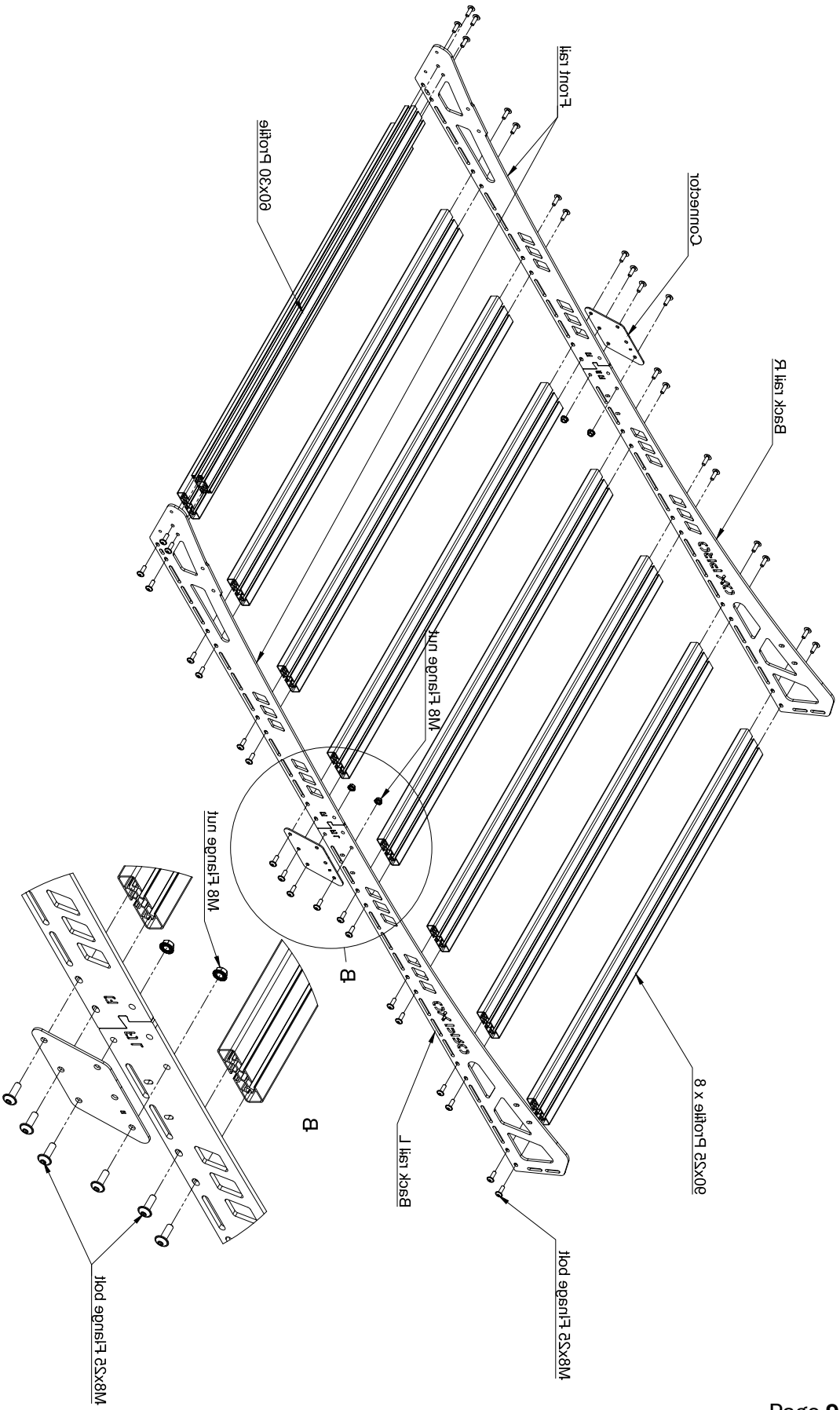
Torque settings:

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



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


A
A (1:2)
M8x25 Flange bolt
M8 Flange nut
M8x55 Hex bolt
M8 Spring washer
M8 Flat washer
B
B (1:2)
M8x25 Flange bolt
M8 Flange nut
C
C (1:2)
M8x25 Flange bolt
M6x16 Flange bolt
M8 Flange nut
M8 Flange nut
D
D (1:2)
M6 Flange nut
M6x12 Flange hex nut
M6 T-slot nut
M6x16 Flange bolt


60x30 Profile
Front rail
Connector
Back rail R
M8 Flange nut
M8 Flange nut
B
B
Back rail L
60x25 Profile x 8
M8x25 Flange bolt
M8x25 Flange bolt

Installation:

Before you begin, review the Roof Rack Diagram on page 8.

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.

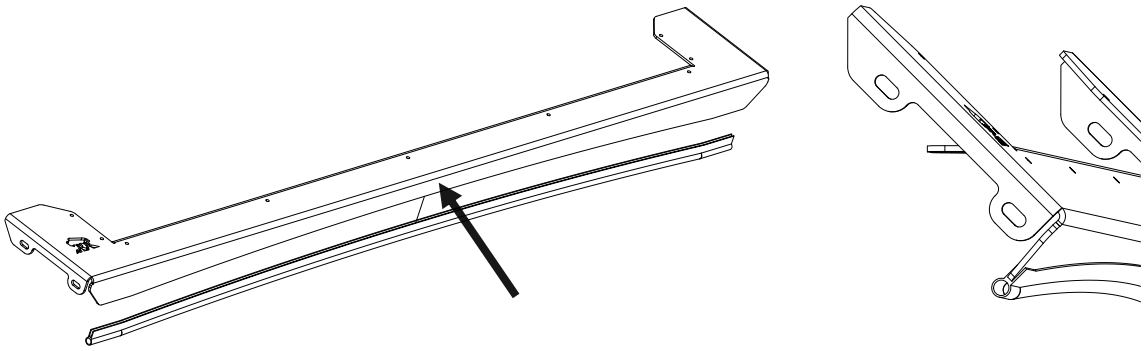
The base version includes the LED cutout, which can be easily converted to the standard version by attaching a specially designed cover. The choice is yours, and you can switch between the versions at any time.

The set also contains 2 additional T-slot M6 nuts and 2 M6×12 flange hex bolts for LED bar installation.

Follow the steps below to install product correctly:

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

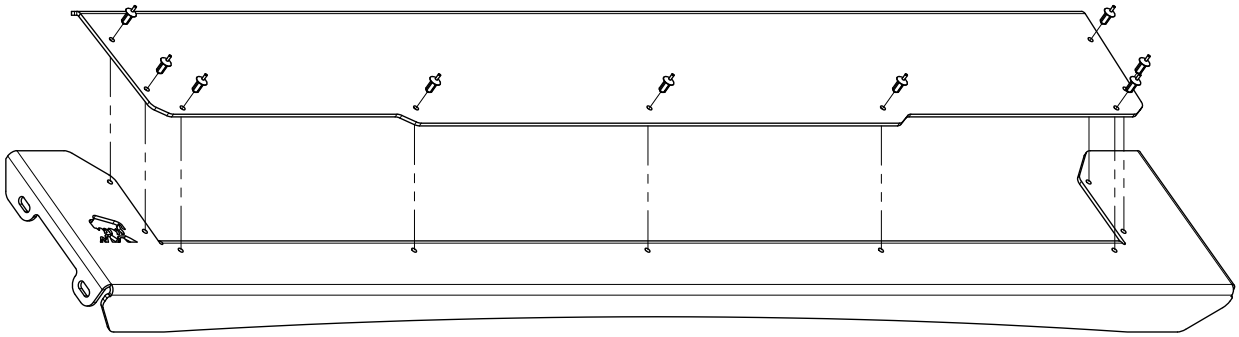
2. Place (and trim if necessary) the rubber gasket on the wind deflector.



3. ***(That point refers only to the standard version)

   For 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.

4. Assemble the side parts of the roof rack (**rails** and **connectors)** with

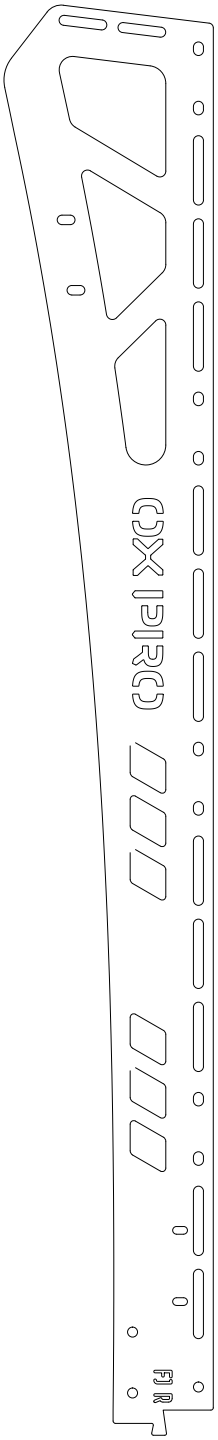


the crossbars using **M8x25 flange bolts** as shown on **page 12**. At first, only pre-screw all the bolts. It is recommended to mount the roof rack upside down on a flat surface to ensure the top side is perfectly flat. You can at first omit the first crossbar (counting from the front) to make the wind deflector mounting easier in the later steps, but it is not obligatory.

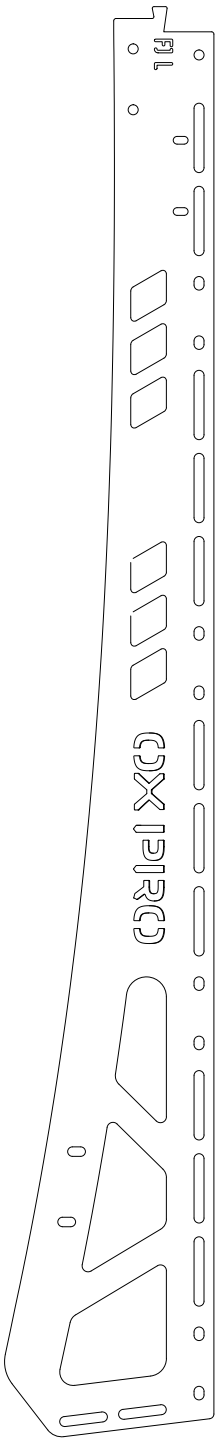
***Important

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.

There is a difference between left and right rails, refer to the picture on page 11 to assemble them correctly.



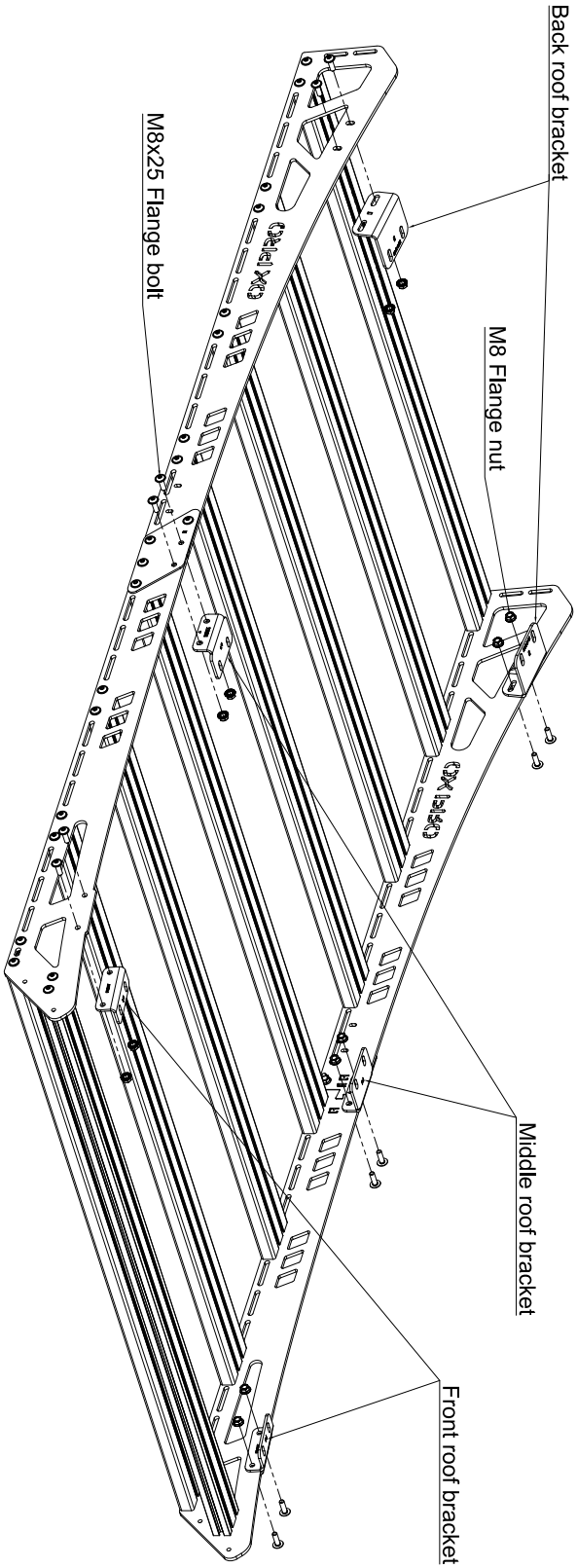
Back rail R



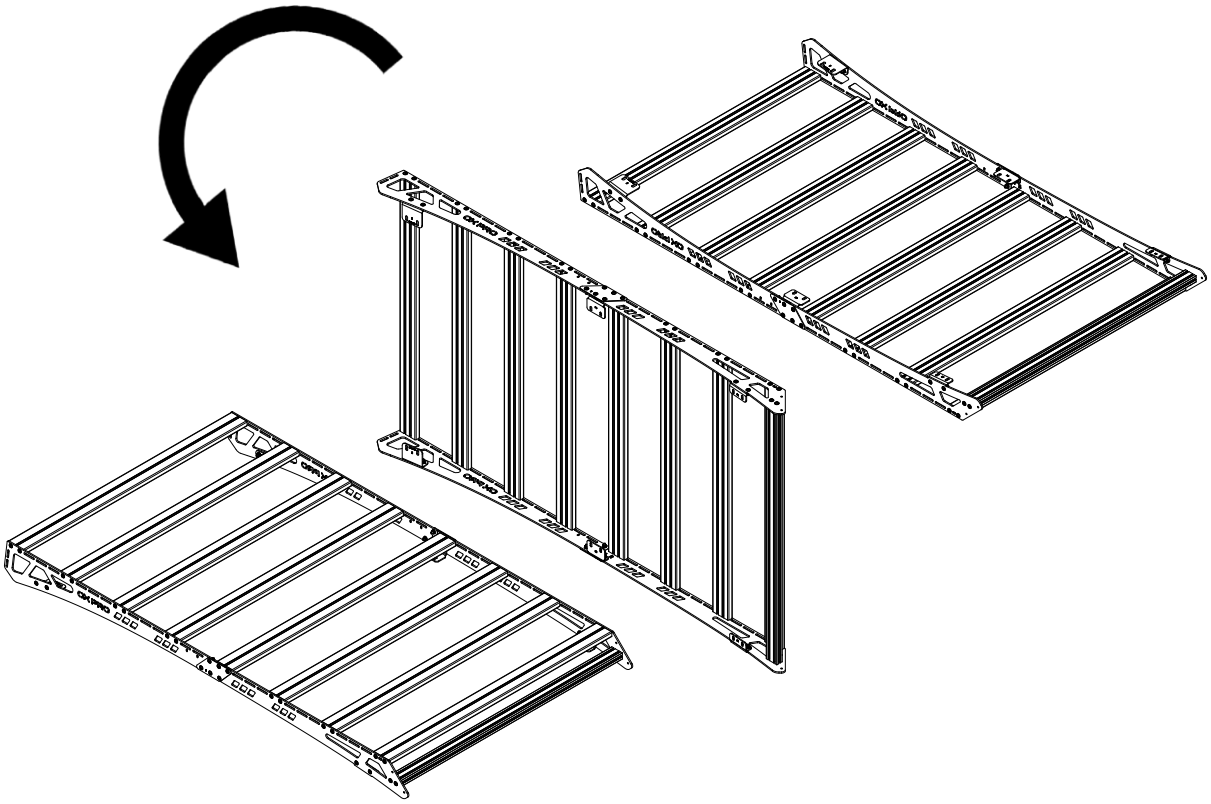
Back rail L

5. Tighten the bolts. The profile bolt tightening torque is 8 Nm (6 ft-lb), others according to the torque settings diagram.

6. Install the roof brackets as shown in the picture below, do not screw them fully.

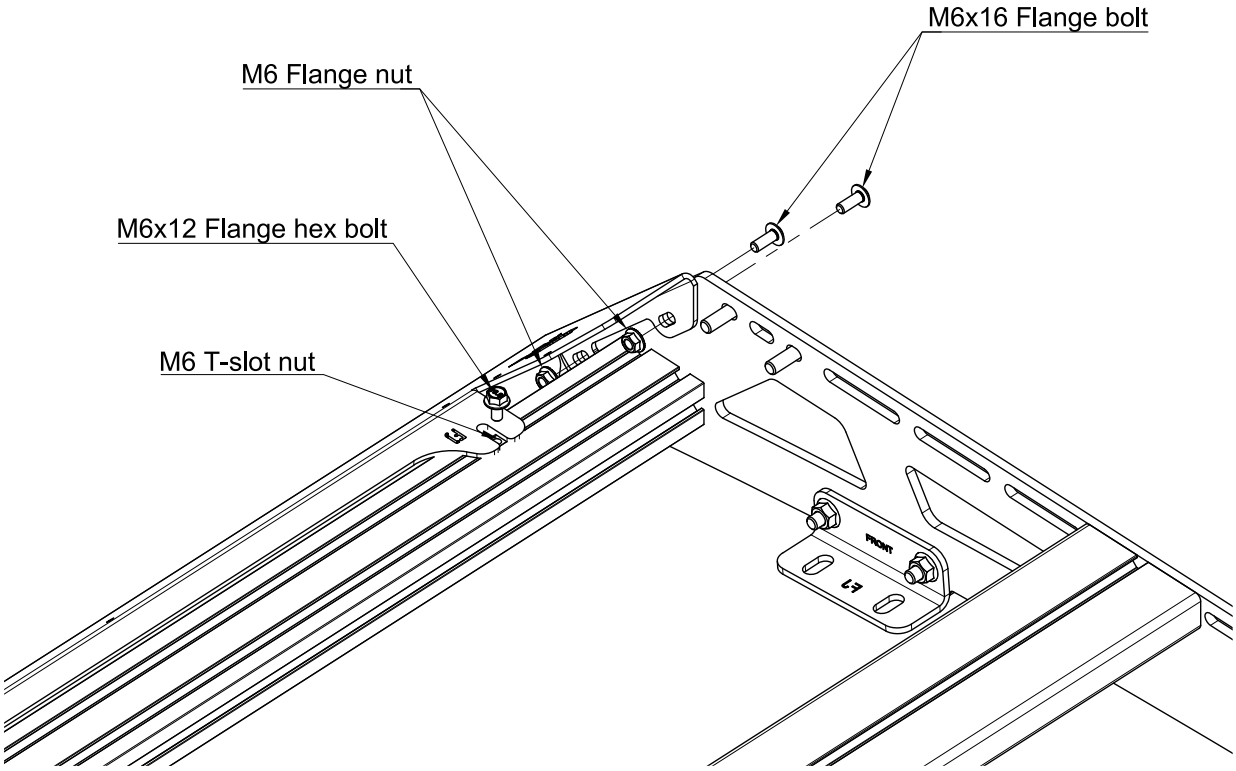


7. Turn the roof rack back.



8. Install the wind deflector:
    - Use 4 x **M6x16 bolts, M6 flange nuts** to screw it to the side rails.
    - Use 3 x **T-slot M6 nuts and M6x12 flange hex bolts.** First, slide the T-slot nuts into the first slot of 30x60 crossbar.

The picture on **page 15** illustrates the LED bar version; the standard version will include the additional cover as described in point 3.



9. *** If there are any items on the roof, such as factory rails, a roof rack, or other accessories, remove them before starting the roof rack installation. Refer to the vehicle's owner's manual for guidance.

10. Before installing the roof rack on the car, prepare the following parts for the next step:

    - 12 - M8x55 hex bolts;
    - 12 – M8 flat washers;
    - 12 – M8 spring washers;
    - 6 – Roof spacers;
    - 6 – Rubber pads.

***** Important!**

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

11. Clean the area around the fixing points. Place **the rubber pads** and **spacers** on the roof, then position the roof rack in place.

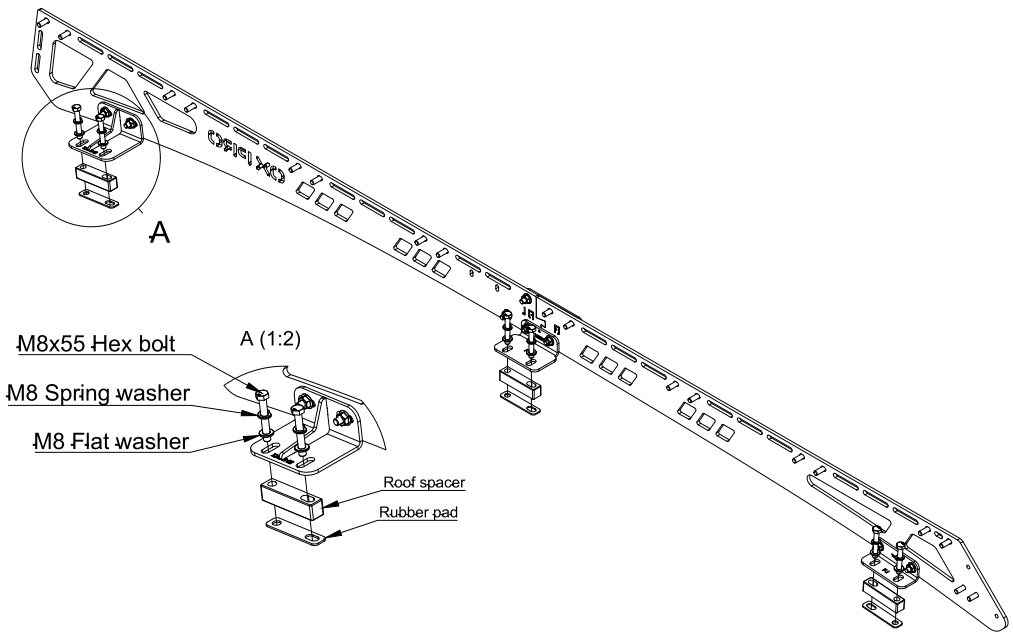
12. Place the roof rack on the roof and pre-screw only the back bracket to the car (this helps set the position of the roof rack) using **M8x55 hex bolts, flat washers,** and **spring washers**.

***** Important!**

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

13. (OPTIONAL) Mark the position for the protective tape. Lift the front of the roof rack and apply the tape beneath the wind deflector's rubber gasket.

14. Pre-screw the remaining bolts to the brackets.



15. Adjust the position of the roof rack so that it is centered on the car.

16. Tighten all the bolts.
    - Tightening torque M8x55 bolts - 15 Nm /11 ft-lbs.
      (roof rack -> roof connection)
    - Tightening torque M8x25 flange bolts/ M8 flange nut - 25 Nm /18.5 ft-lbs
      (roof brackets -> side rails connection)

Ensure that everything is mounted correctly and all bolts are tightened. If everything is in place, your installation is complete.

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

Have a great time with Bison Gear product!

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Phone: **+48 505 642 981**