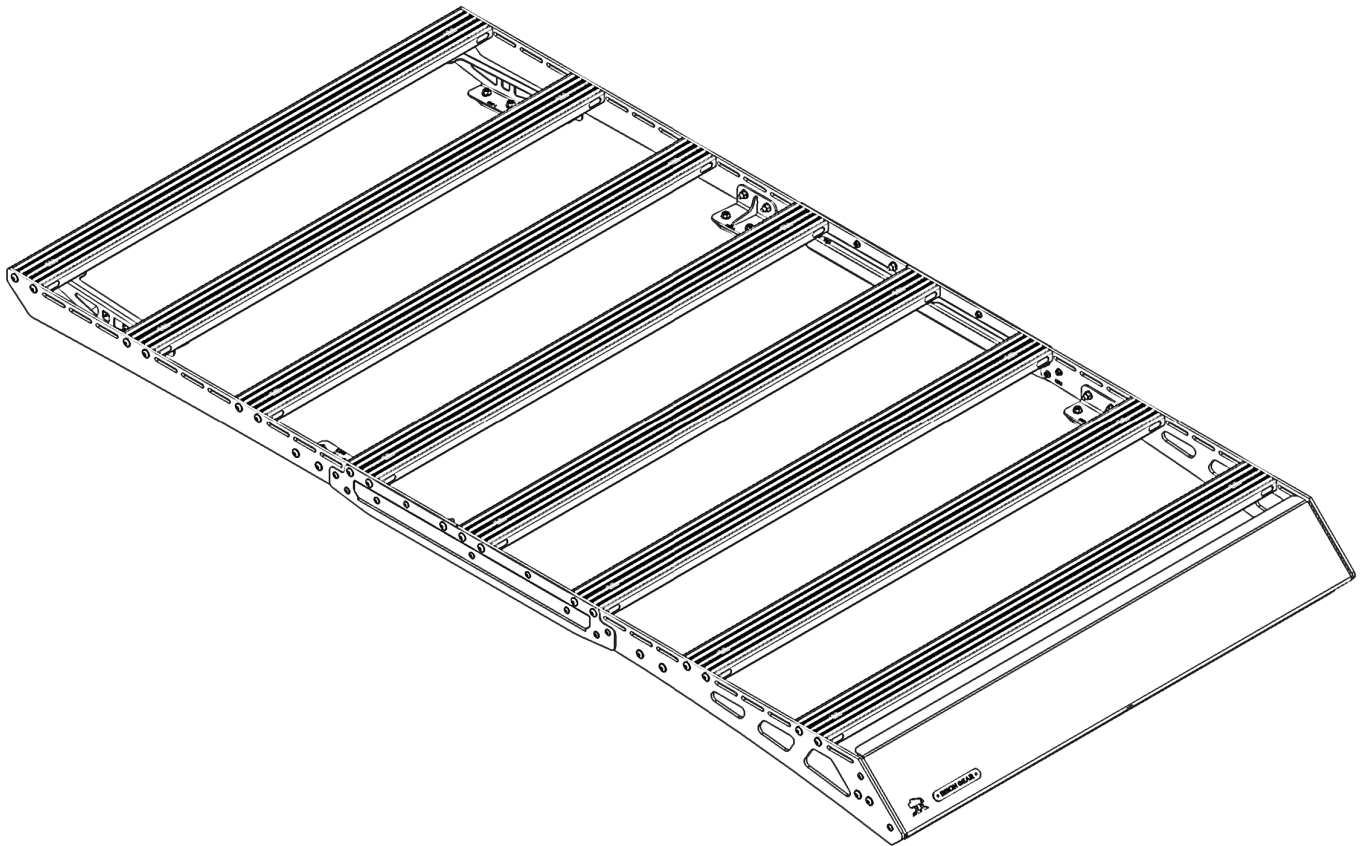




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Land Rover Defender L663 – 110 Roof Rack - STANDARD Installation Guide

RR-L663-OX-STANDARD



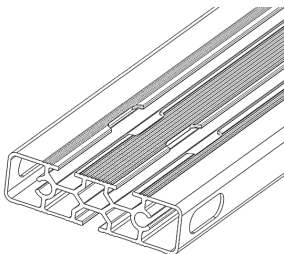
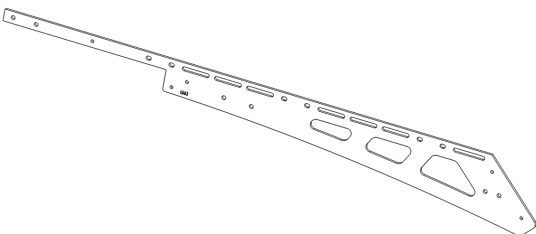
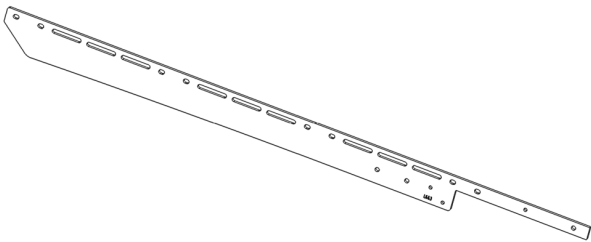
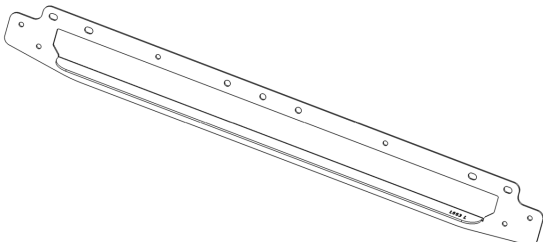
 **Before you start**



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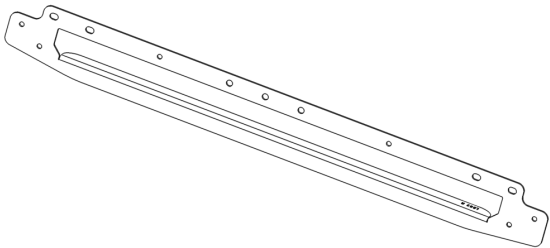
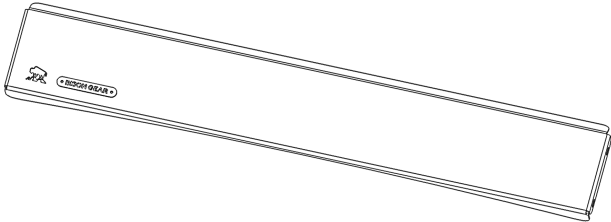
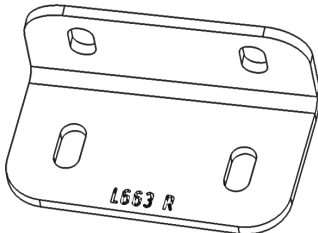
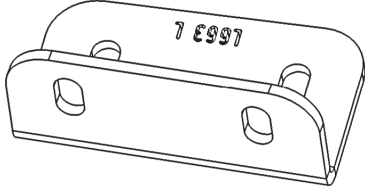
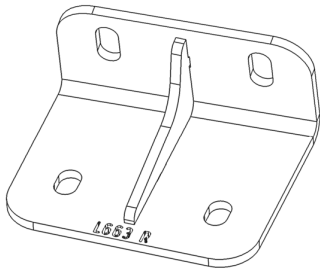
Familiarize yourself with these instructions. Ensure that all listed parts and hardware are present in package. Locate a flat surface or floor with a minimum area of **3 x 2.5 meters**. Gather the required tools. The installation requires two adult people.

Part list

No.	PART	QTY	IMAGE	<input checked="" type="checkbox"/>
1	Profile 90x25 L=1180	8		
2	Front rail	2		
3	Back rail	2		
4	Overlayer L	1		

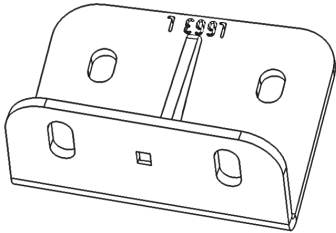
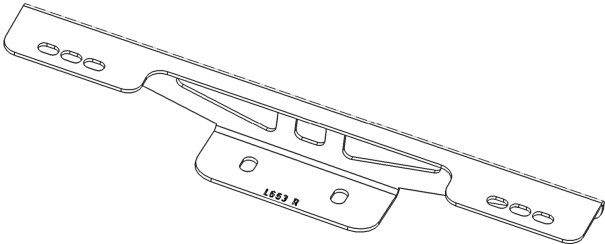
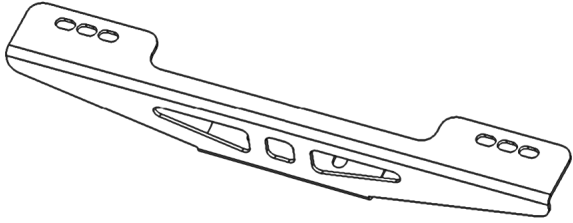
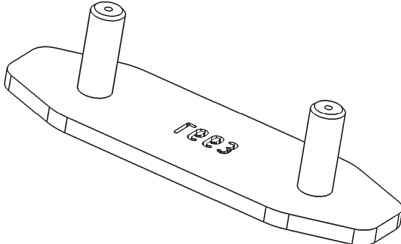
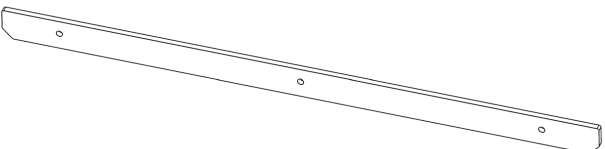


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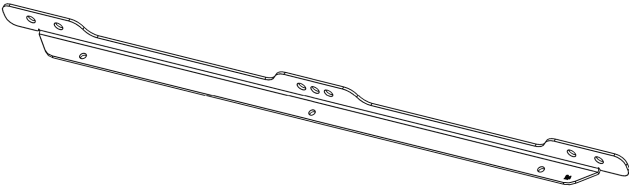


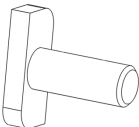
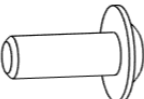
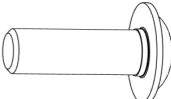
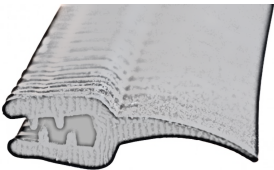

5	Overlayer R	1		
6	Wind deflector	1		
7	Front roof bracket R	1		
8	Front roof bracket L	1		
9	Middle roof bracket R	1		



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10	Middle roof bracket L	1		
11	Back roof bracket R	1		
12	Back roof bracket L	1		
13	Slot bracket with thread pins	6		
14	Railing gap cover	2		



15	Support bracket	2		
16	Flange nut M6 DIN 6923	22		
17	Flange nut M8 DIN 6923	32		
18	T-Slot M8x20 bolt	10		
19	Bolt M6x16 ISO 7380-2	22		
20	Bolt M8x25 ISO 7380-2	42		
21	Rubber wind deflector gasket	1.2 m		
22	Protection tape	1.4 m		



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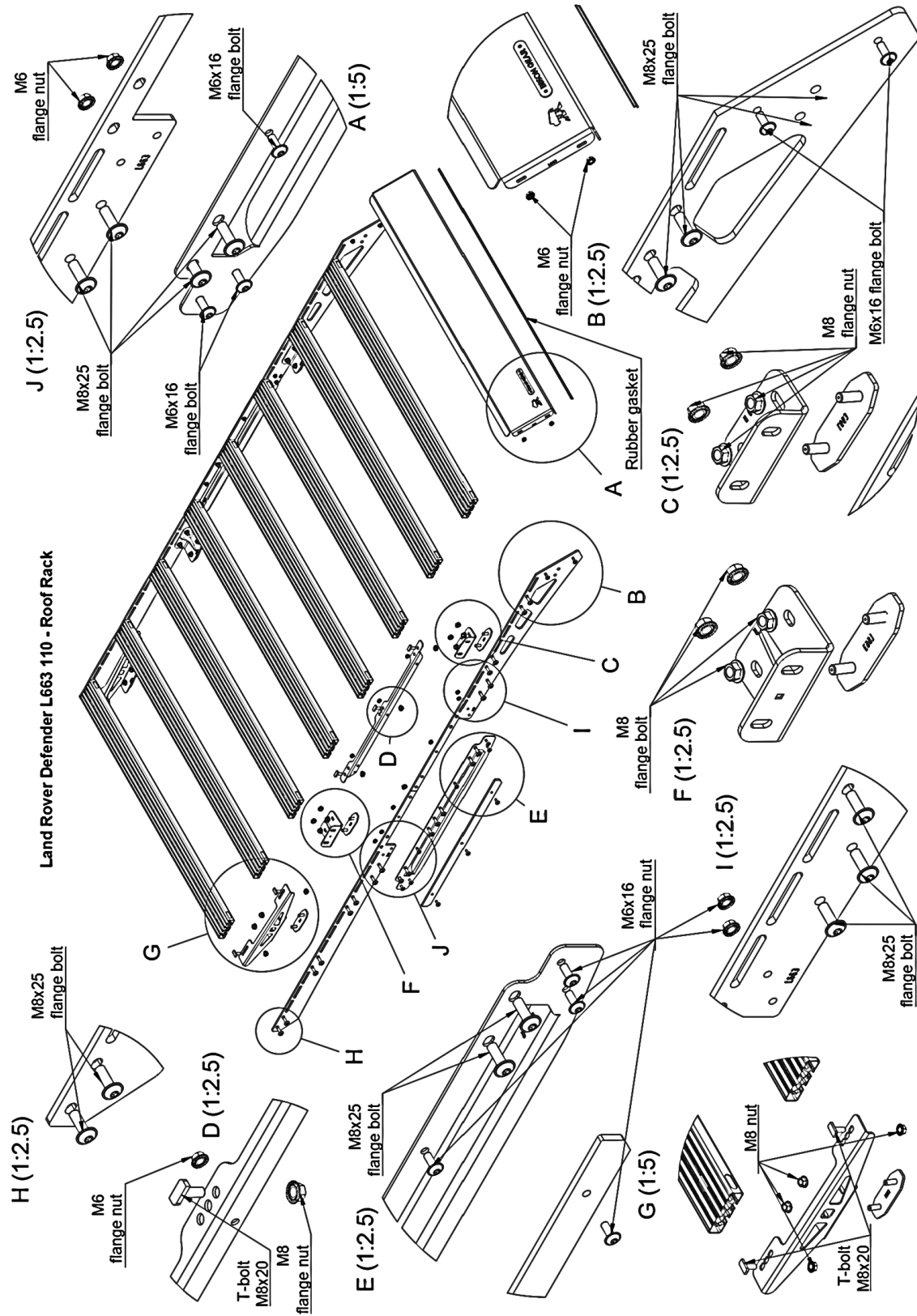
List of necessary tools¹:

- 5 mm Allen Key (Hex)
- 4 mm Allen Key (Hex)
- 10 mm wrench
- 13 mm wrench

¹ NOTE: The tools **are not** included in the set.



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Installation:

Before you start to work, familiarize with the **Roof Rack Diagram** on **page 7**. There is an exploded view that shows you how to mount the roof rack parts together.

Follow the steps below to install product correctly:

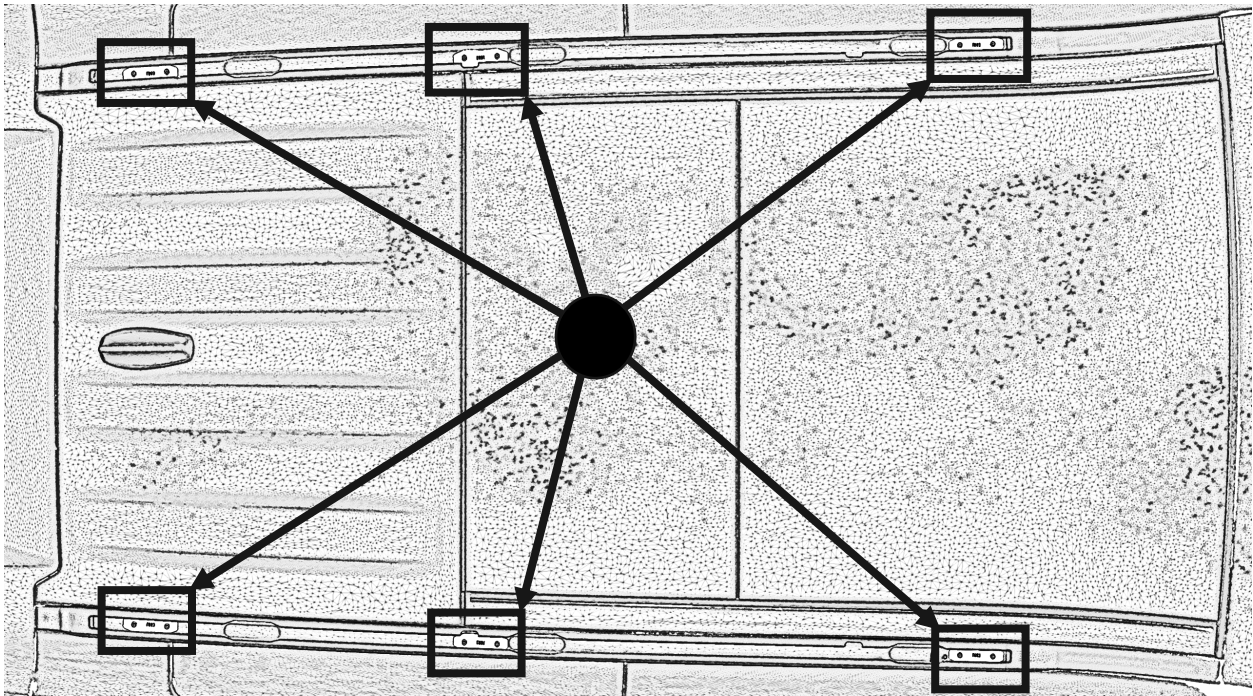
1. Start by preparing the product parts and gathering the necessary tools.
2. Place and trim if necessary the **rubber gasket** on the wind deflector.
3. Assemble the **overlayers** and **rails** together using **M6x16** bolts and **M6 flange nuts**. (Assemble the left and the right side of the roof rack).
4. Assemble the **previously prepared side parts of the roof rack and crossbars** together on the ground or other flat space using **M8x25 bolts**. The **third** and **fifth** (looking on the front of roof rack) **90x25 crossbars** should be installed with the two-slot side down.
5. Install the wind deflector to the rack using **M6x16 bolts, M6 nuts**.
6. Make sure that **rails** are straight and tighten **all the bolts**.
7. Slide the **T-Bolts** into the **3rd, 4th, 5th 90x25 crossbar**, place the **support brackets** and pre-screw them using **M8 flange nuts**.
8. Place and screw the **railing gap covers** to the support bracket using **M6x16 bolts** and **M6 nuts**.
9. Face the **railing gap covers** with **the overlayers** and tighten **M8 nuts**.



10. *** If You have on the roof some items like – railings, roof rack or other items, you need to remove them off before starts mounting the roof rack.
11. Pre-screw 4 brackets (**2 x front brackets, 2 x middle brackets**) to the construction using **M8x25 bolts** and **M8 nuts**. (Mounting brackets are marked – **L** for the left side, **R** for the right side)
12. Pre-screw 2 **back brackets** to the construction using **T-slot M8x20 bolts** and **M8 nuts**. Slide **the T-bolt** into the crossbar slots. If it possible, mount the **bracket** in the most external slots. (Mounting brackets are marked – **L** for the left side, **R** for the right side)



13. Slide the **slot brackets** with **threaded pins** into the factory railing slots. The **initial position** of the bracket is shown in the picture below. Try to set the brackets in **those areas of the roof**:



14. In the next step you must have assist of **minimum one adult person** who help you put the whole construction on the roof. Before you start, prepare **M8 flange nuts**.
15. Place the roof rack on the roof.

! Important

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



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16. (OPTIONAL) Mark the **position** of protective tape. Lift the **front of the rack** and glue the **tape** under wind deflector rubber gasket.
17. Pre-screw the **roof rack** to the car using **M8flange nuts**.
18. Adjust the **position** of the roof rack – it should be on the center of the car.
19. Tighten **all the bolts** and **nuts**.

Make sure that everything is mounted properly, and all the bolts, nuts are tightened. If it 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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