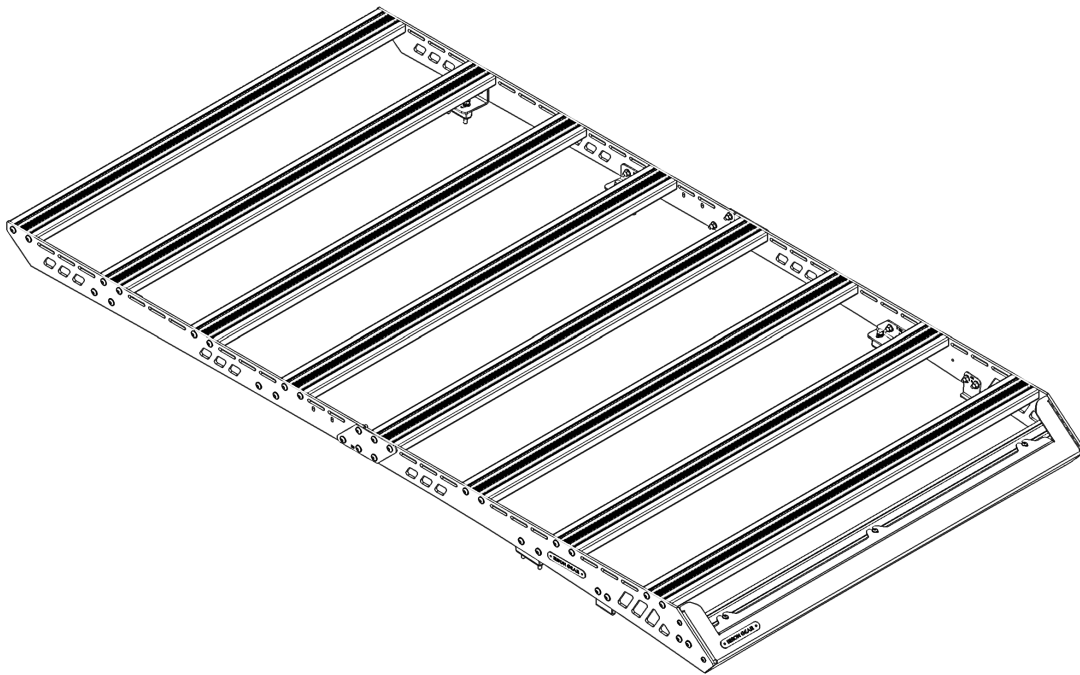




**BISON GEAR**

# Toyota Land Cruiser 150 / Lexus GX460 Roof Rack - LED Installation Guide

RR-LC150-GX470-OX-LED



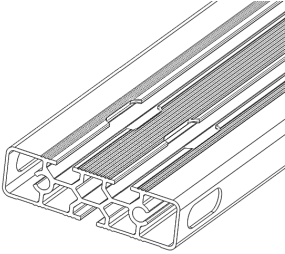
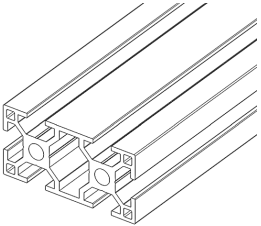
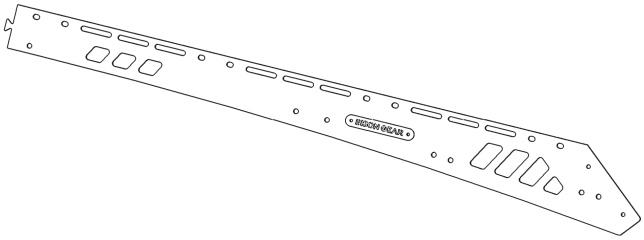
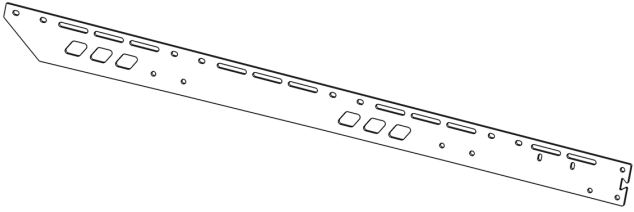
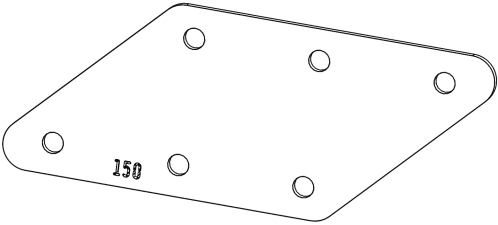
## Before you start

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.



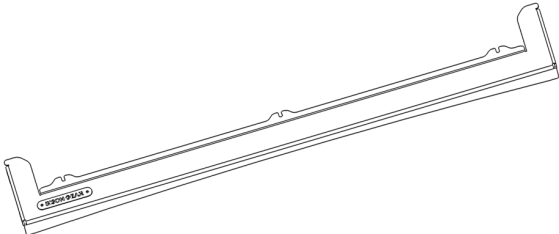
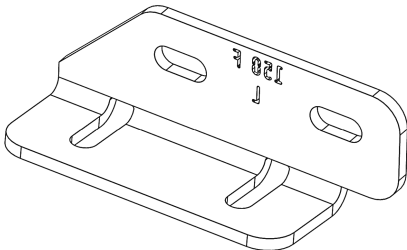
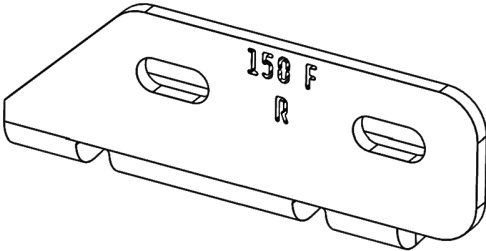
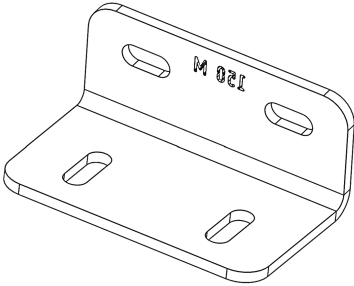
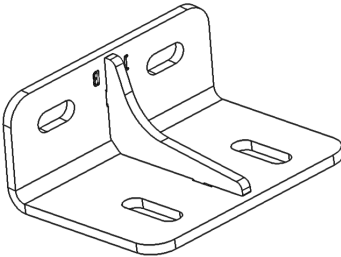
**BISON GEAR**

## Part list

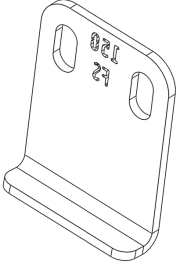
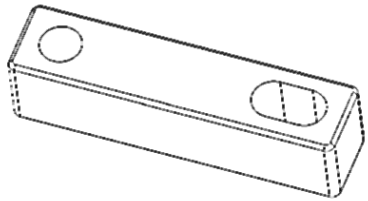


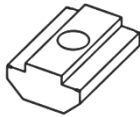
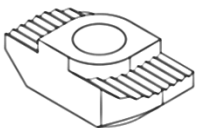


No.	PART	QTY	IMAGE	<input checked="" type="checkbox"/>
1	Profile 90x25 L=1180	8		
2	Profile 60x30 L=1180	1		
3	Front rail	2		
4	Back rail	2		
5	Connector	2		




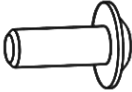
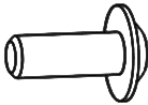
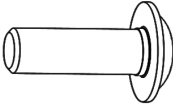
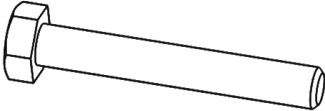
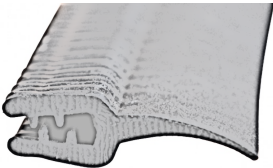

**BISON GEAR**

6	Wind deflector	1		
7	Front roof bracket L	1		
8	Front roof bracket R	1		
9	Middle roof bracket	2		
10	Back roof bracket	2		



11	Front suport	2		
12	Roof spacer H=25	6		
13	Rubber pad	6		
14	Flange nut M6 DIN 6923	4		
15	T-slot M6 nut	5	 or 	
16	Flange nut M8 DIN 6923	24		
17	Flat washer M8 DIN 125	12		



18	Spring washer M8 DIN 127	12		
19	Bolt M6x12 ISO 7380-2	5		
20	Bolt M6x16 ISO 7380-2	4		
21	Bolt M8x25 ISO 7380-2	60		
22	Bolt M8x55 DIN 933	12		
23	Rubber wind deflector gasket	1.2 m		
24	Protection tape	1.4 m		



**BISON GEAR**

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

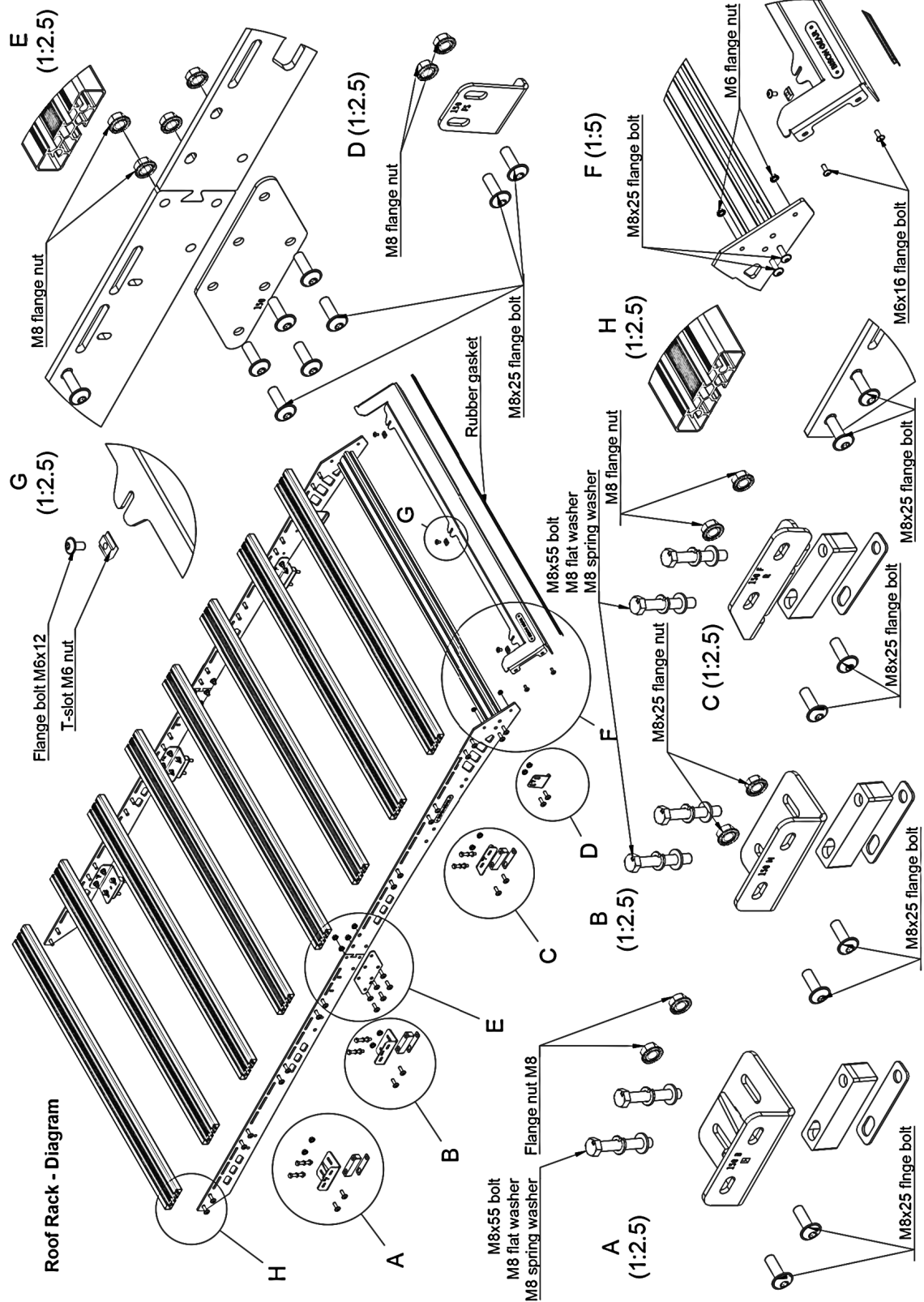
- 5 mm Allen Key (Hex)
- 4 mm Allen Key (Hex)
- 10 mm wrench
- 13 mm wrench

---

<sup>1</sup> NOTE: The tools **are not** included in the set.



**BISON GEAR**





**BISON GEAR**

## 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.

The roof rack is prepared for 42" led bar mount (the set contains additional crossbar and T-slot M6 nut and M6x12 flange bolts).

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 **profiles, rails, connectors, wind deflector** together on the ground or other flat space. (**Tip:** Slide three T-slot M6 nuts to the first slot in the 60x30 profile before you screw it to the rails.)
4. Make sure that **rails** are straight and tighten **the bolts**.
5. \*\*\* 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.
6. Pre-screw **6 bracket (2 x front brackets, 2 x middle brackets, 2 x back brackets)** to the construction using **M8x25 bolts** and **M8 nuts**.





## BISON GEAR

7. 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 6 rubber pads, 6 roof spacers and set of fasteners (**M8x55 bolts, flat washers and spring washers**).
8. Place the **rubber pads** and **spacers** on the roof and place the roof rack on its.

### **! Important**

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

9. (OPTIONAL) Mark the position of **protective tape**. Lift the front of the rack and glue the tape under wind deflector rubber gasket.
10. Pre-screw the **roof rack** to the car using **M8x55 bolts, flat washers, spring washers**.
11. Adjust the **position** of the roof rack – it should be on the center of the car.
12. Tighten **all the bolts**.



The last part to screw to the roof rack is a front support bracket. You can do it in two ways – 13.A, 13.B (both are correct)

13.A Remove the **rubber cover** which is directly under the place where front support will be. Clean the place where the front support meets with the car. Remove the tape protection layer from front support. Glue the front support to the car and screw it to the roof rack using M8x25 bolt and M8 nuts.

13.B Clean the part of the **rubber cover** where the front support meets. Remove the tape protection layer from front support. Glue the front support on the rubber cover, push it down and screw it to the roof rack using M8x25 bolt and M8 nuts.

14. Tighten the **front support** bolts and nuts.

Make sure that everything is mounted properly, and all the bolts 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.**



**BISON GEAR**

**Have a great time with the Bison Gear product!**



Email: [contact@bison-gear.com](mailto:contact@bison-gear.com)

Phone: **+48 505 642 981**