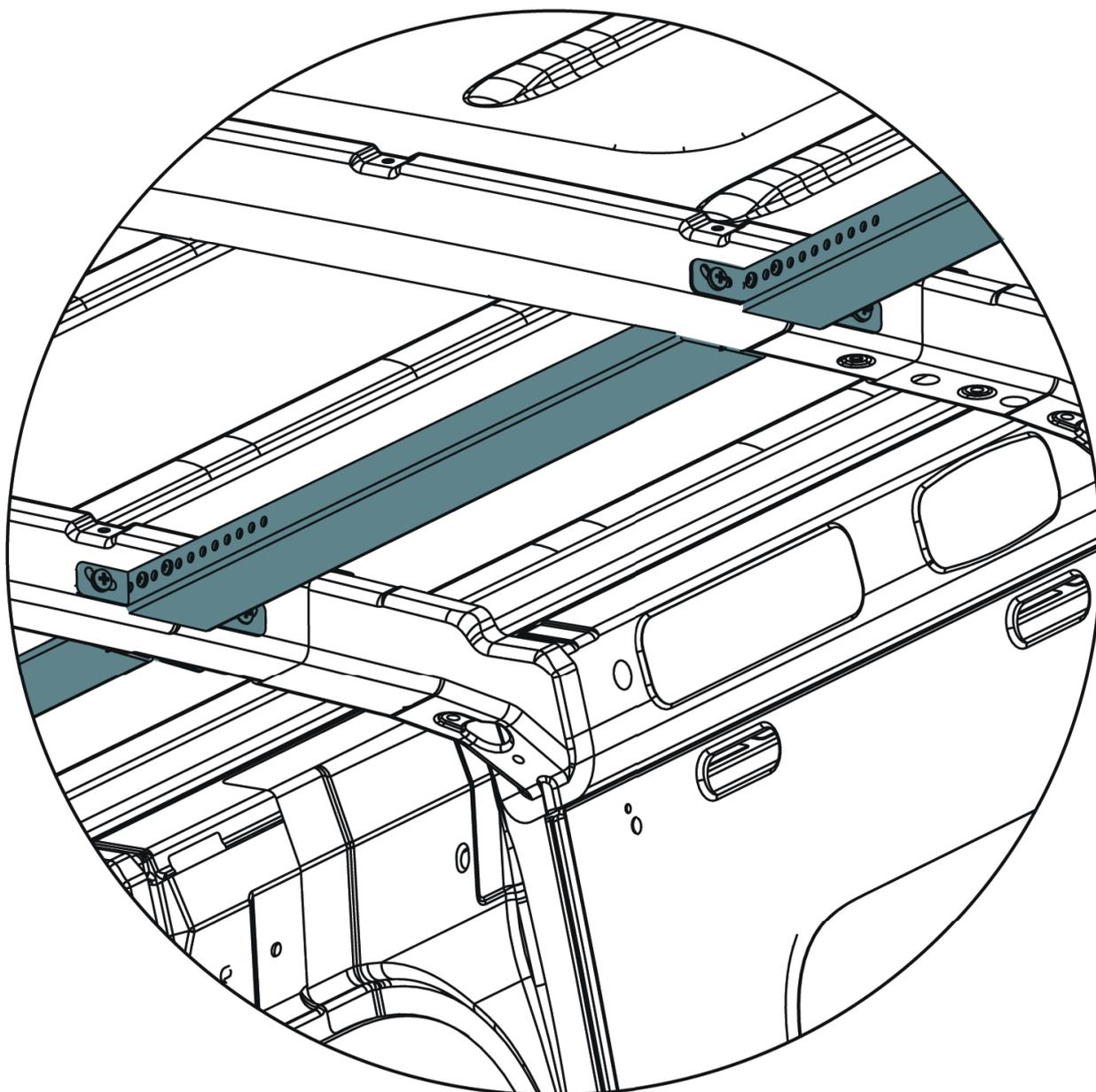

MOONFRAME

Installation instructions



Live light at
vandermoon.com





Since 1993, Vitberg has been manufacturing medical products for rehabilitation, treatment, cosmetology and sports.

Our products are well-known and appreciated.

Medicine and technology are not our only passion, we also love to explore the world.

We have translated the experience we have gathered over the years into producing accessories for people like us.

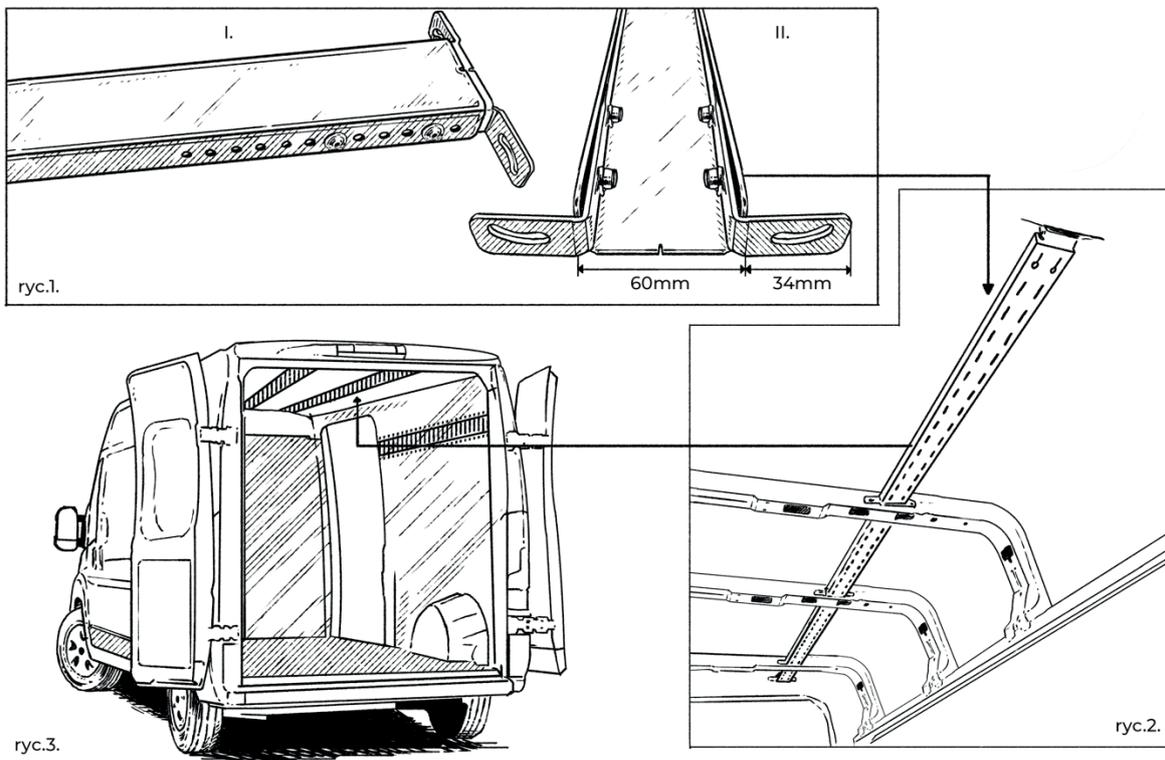
This is how the Van Der Moon brand was created.

Made in Poland, EU.

www.vandermoon.com

Table of contents

Product Sheet	5
Construction of Moon Frame	5
Preparing the car for Moon Frame installation	7
Required tools and components	8
Moon Frame installation	9
Information on use	20



What is the MOON **FRAME** ?

Moon Frame is a system of crossbars /ceilings/, which, when installed, on the one hand strengthen the structure of the car, and on the other hand facilitate the installation of overhead cabinets, upholstery, etc. Their length is adjustable, they can be trimmed, and they can be joined together to form a network of additional structural reinforcements under the car's upholstery. We made them from lightweight aluminum, cold-bent into a „C” shape.

Which cars does the Moon Frame fit?

Citroën Jumper / Relay/ from L1 to L4H3 / 1994 - nowadays

Ford Transit IV- VI / Tourneo I, II / Transit Pro/ from L1 to L4 / 1986 - nowadays

Mercedes-Benz Sprinter I-III / Freightliner, W903, W906, W907, W910/ from L1 to L4 / 1995 - nowadays

Mercedes-Benz Vario / 1996- 2013

Fiat Ducato I-III / e-Ducato, Ram ProMaster/ from L1 do L4 / 1981 - nowadays

Opel Movano I-III / Vauxhall Movano, Movano A,B,C, Movano-e/ from L1 to L4/ 1998- nowadays

Iveco Daily I-IV / Alfa Romeo AR8, Fiat Daily, Zastava Rival, Pegaso Daily, Zastava New Turbo Rival /from L1 to L4/ 1978 - nowadays

Peugeot Boxer I-IV / Manager/ from L1 to L4 / 1984 - nowadays

Volkswagen Crafter I-IV / LT3, e-Crafter / from L1 do L4 / 2006 - nowadays

Volkswagen LT I-II / 1975 - 2006 /

Nissan Interstar I-II / NV400, Interstar-e / from L1 do L4/ 2002 - nowadays

Renault Master I-IV / Messenger / from L1 to L4/ 1980 - nowadays

Chevrolet Express / 1995 - nowadays

GMC Savana / 1995 - nowadays

GAZ Gazela / 1994 - 2010

LDV Convoy / LDV Pilot / 1996 - 2006

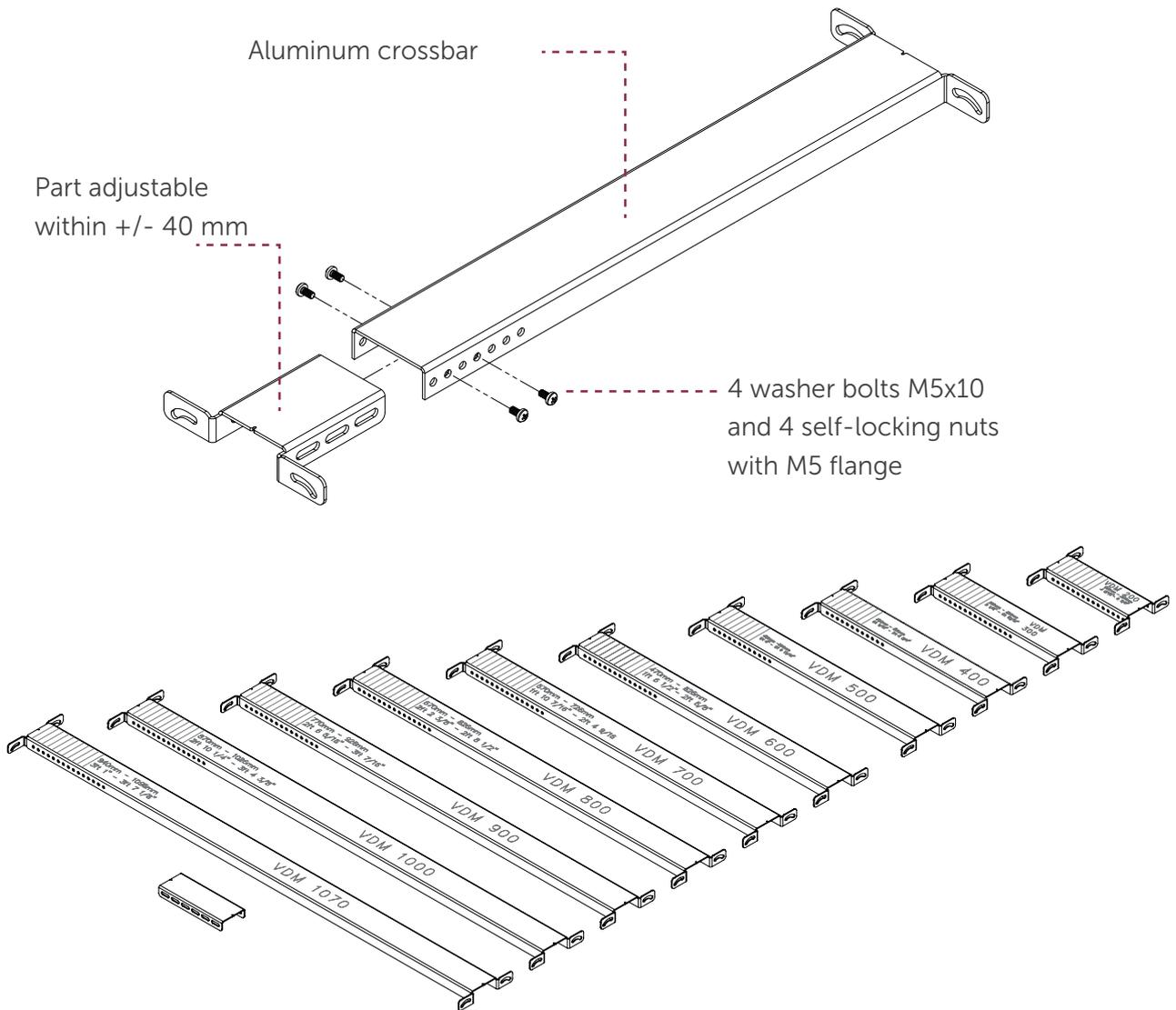
FS Lublin / Daewoo Lublin, Intrall Lublin, DZT Pasagon / 1993 - 2013

Available colors:



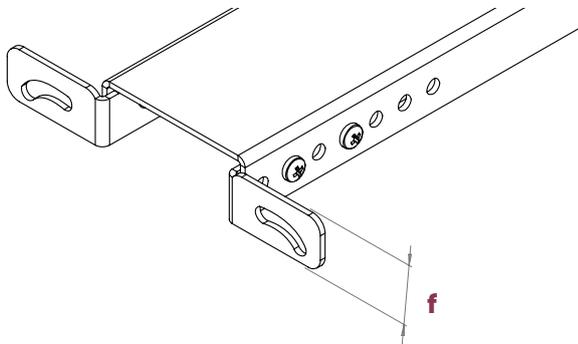
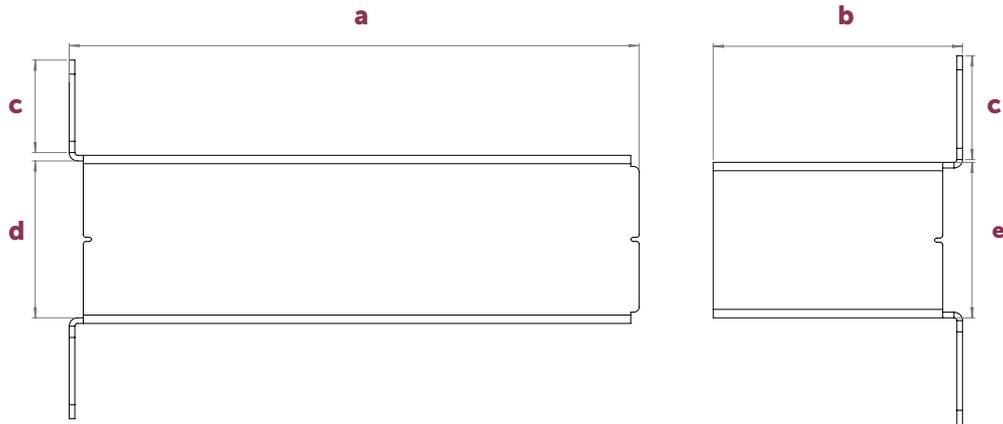
Silver

The Moon Frame set includes:



Model	Range of lengths in millimeters	Weight in kilograms	Max. capacity in kilograms	Max. load on a single point
Moon Frame 200	106 - 226	0.16	80	70
Moon Frame 300	206 - 326	0.22	70	60
Moon Frame 400	306 - 426	0.26	60	55
Moon Frame 500	406 - 526	0.32	55	50
Moon Frame 600	470 - 626	0.36	50	45
Moon Frame 700	570 - 726	0.42	45	43
Moon Frame 800	670 - 826	0.48	40	41
Moon Frame 900	770 - 926	0.52	35	31
Moon Frame 1000	870 - 1026	0.58	30	28
Moon Frame 1070	940 - 1096	0.62	25	19
Moon Frame Connector	0 - 150	0.06	-	-

Dimensions of Moon Frame

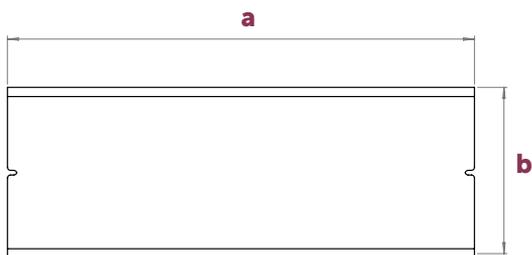


- a** - Refer to Table 2
- b** - 88,35 mm
- c** - 37 mm
- d** - 56 mm
- e** - 55,5 mm
- f** - 19,1 mm

Model	Length (a) in millimeters
Moon Frame 200	200
Moon Frame 300	300
Moon Frame 400	400
Moon Frame 500	500
Moon Frame 600	600
Moon Frame 700	700
Moon Frame 800	800
Moon Frame 900	900
Moon Frame 1000	1000
Moon Frame 1070	1070

tabela 2

Moon Frame Connector

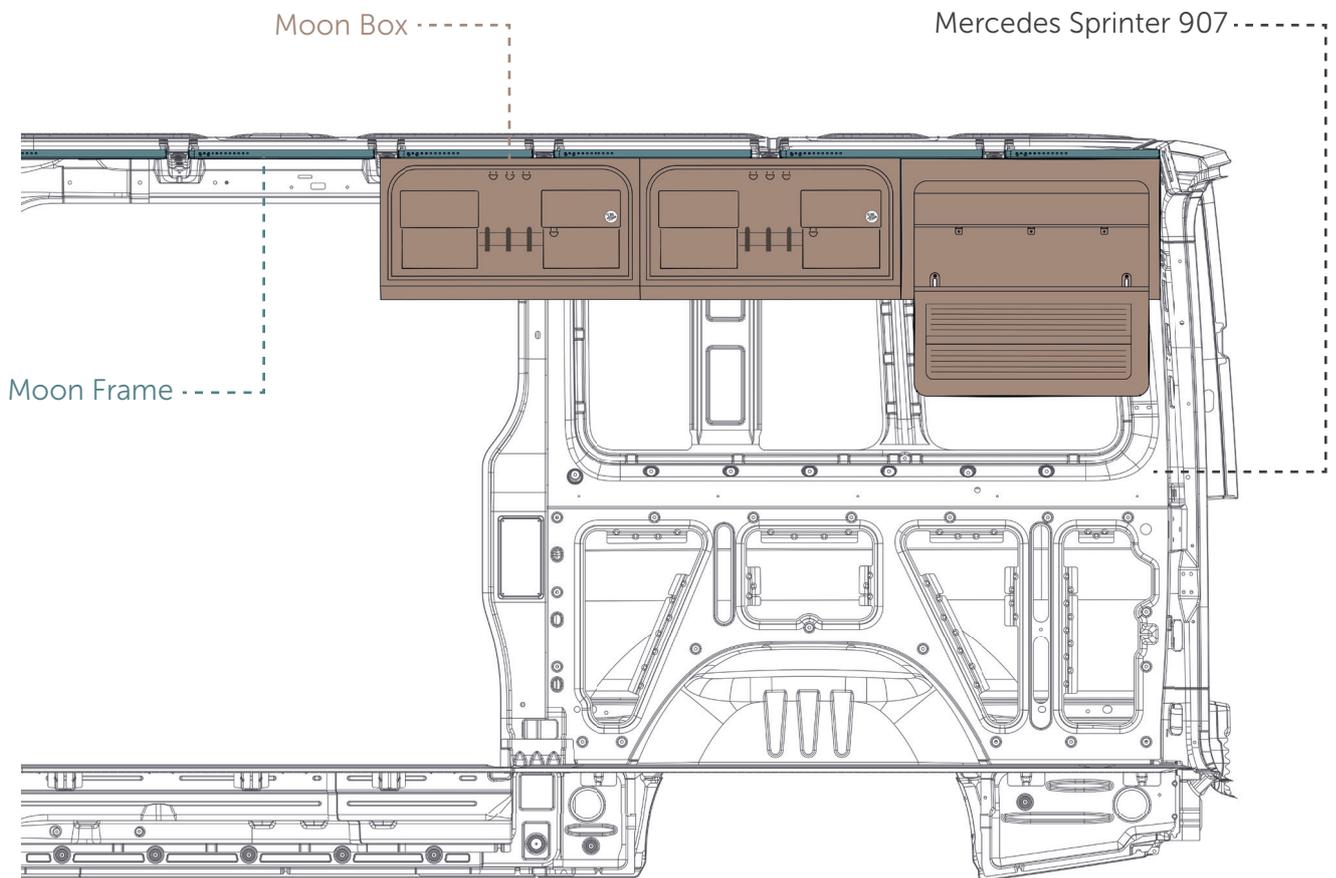


- a** - 150,7 mm
- b** - 54,07 mm

MOON FRAME installation

Preparing a car for the installation of overhead cabinets using Moon Frame on the example of Mercedes Sprinter 907 H2 and H3.

To install overhead cabinets, such as the Moon Box type, it is worth thinking about reinforcing the structure of the car. The best way to do this is to use Moon Frame mounting strips, which can be mounted between the roof bulkheads and on the side boards of the car



Watch a video of Moon Frame's installation

Required **tools and components**

Not included



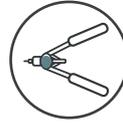
Flamaster



Drill



Screwdriver



Riveting
machine for
rivet nuts



M5x16 washer
bolt



M5 rivet nut

Important!

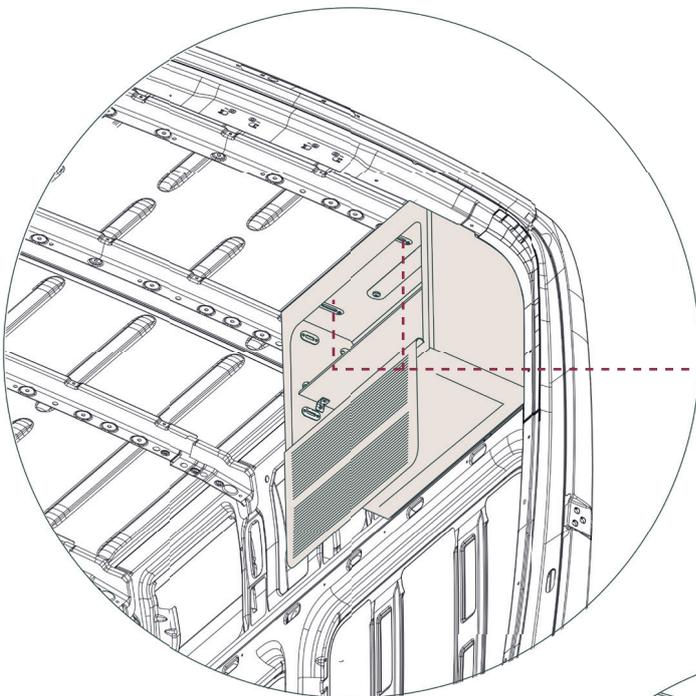
You can replace M5 rivet nuts, M5 screws and \varnothing 5 washers with sheet metal screws or wood screws. In case of installation with sheet metal screws or wood screws, the manufacturer is not responsible for the load-bearing capacity of these connections and does not recommend such installation. You will get the maximum benefit from using Moon Frame **ONLY** if you attach the product to the structure of the car with rivet nuts, M5 bolts and \varnothing 5 washers or rivets.

Step 1



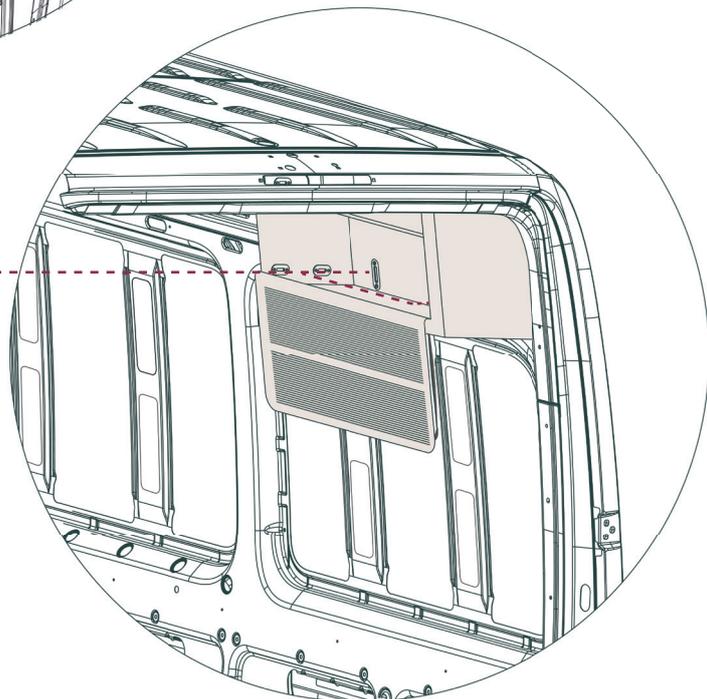
Flamaster

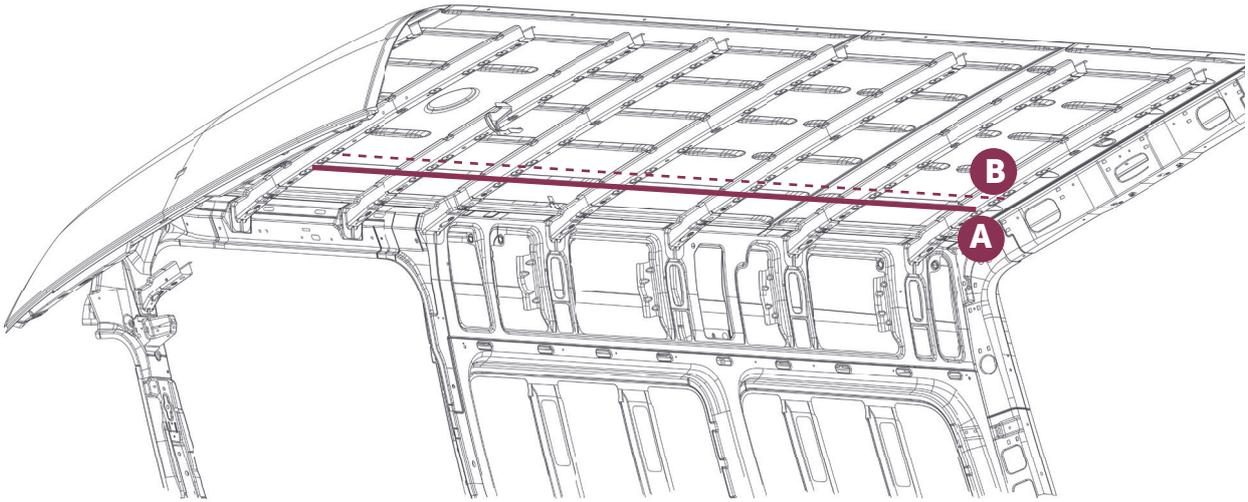
- a) Apply the Moon Box with the front flap open to the expected mounting location and trace the mounting holes of the Moon Box, for example, on the car body with a marker (Fig.1).
- b) Connect the markings with a straight line using a marker.
- c) Take into account the thickness of the insulation and upholstery and move the line deep into the car by this value (fig.3). This operation applies only to installation on the ceiling.



Mapping location **A**

Mapping location **B**
further steps on page 14





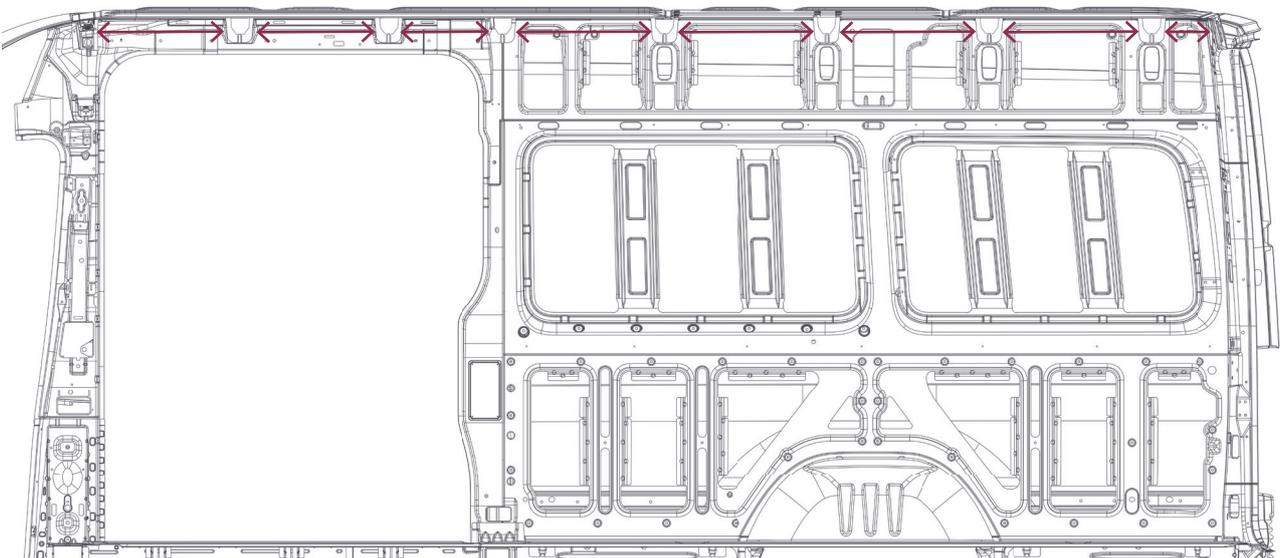
- A** Mapping location
- B** Line offset by thickness of insulation and upholstery

Step 2



Measuring tape

Measure the distances between the bulkheads (ribs) on the roof of the car and choose the appropriate length of Moon Frame.

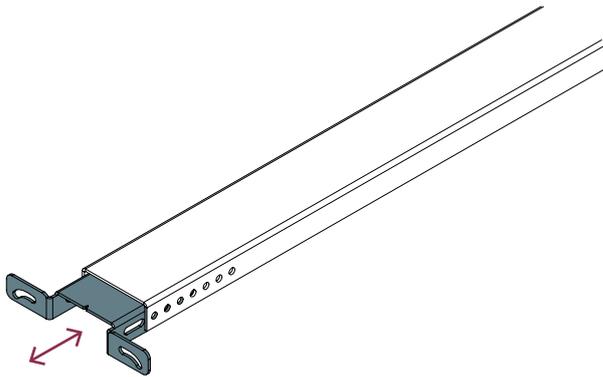


Step 3



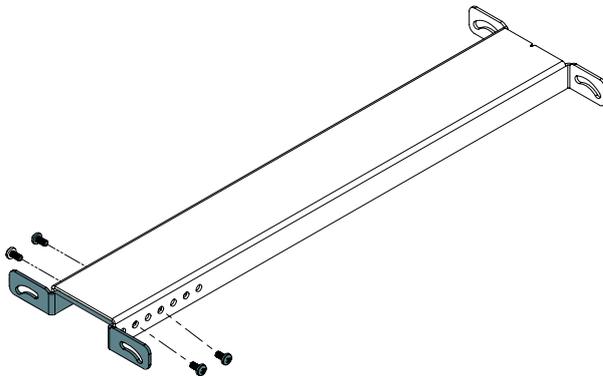
Screws included in the set

Adjust the length of the Moon Frame.



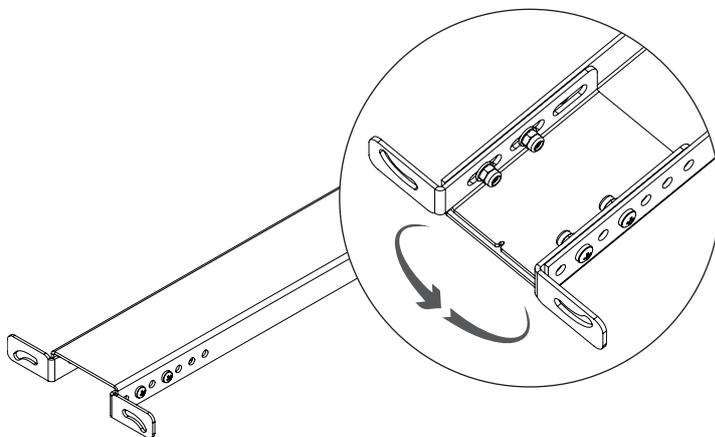
3A

Adjust the adjustable end of the Moon Frame to achieve the intended length of the reinforcing crossbar.



3B

Twist the pieces together using the 4 screws included in the kit.



3C

A view of the finished, The assembled Moon Frame.

Step 4



Flamaster



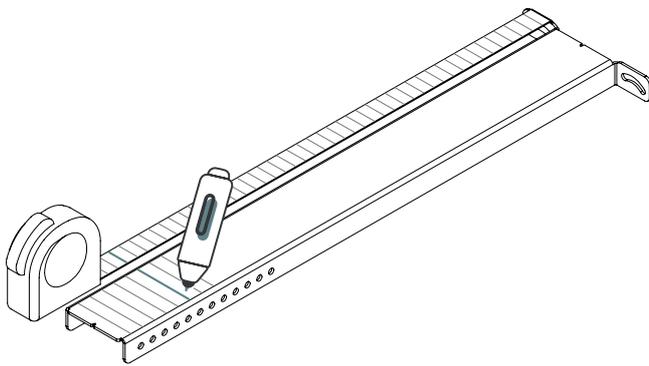
Measuring tape



Aluminum saw

Moon Frame Trimming.

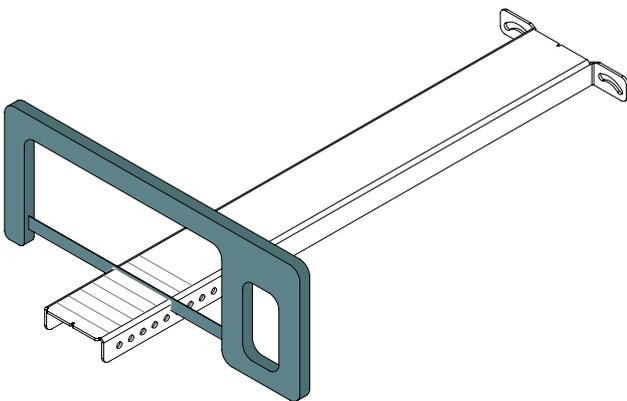
In case the standard lengths of Moon Frame cannot fit into the space between the bulkheads in the car structure, it will be necessary to trim them to the assumed size.



4A

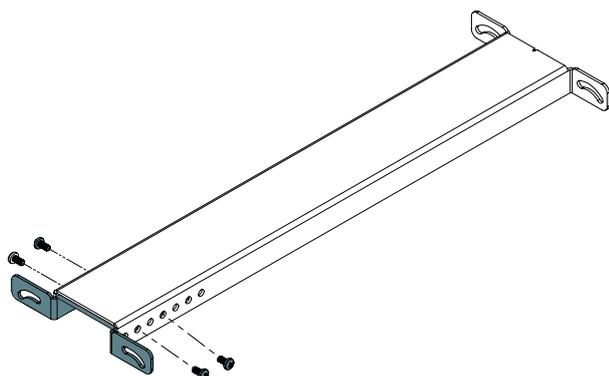
Choose the Moon Frame model that is closest to your needs, and measure the length corresponding to the width of the space between the bulkheads in the car.

Example: If the distance between the bulkheads is 64 cm, choose Moon Frame 700 and measure 63 cm.



4B

Trim Moon Frame in the predetermined areas with an aluminum saw.



4C

Twist the pieces together using the 4 screws included in the kit.

Step 5



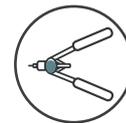
Drill



Flamaster

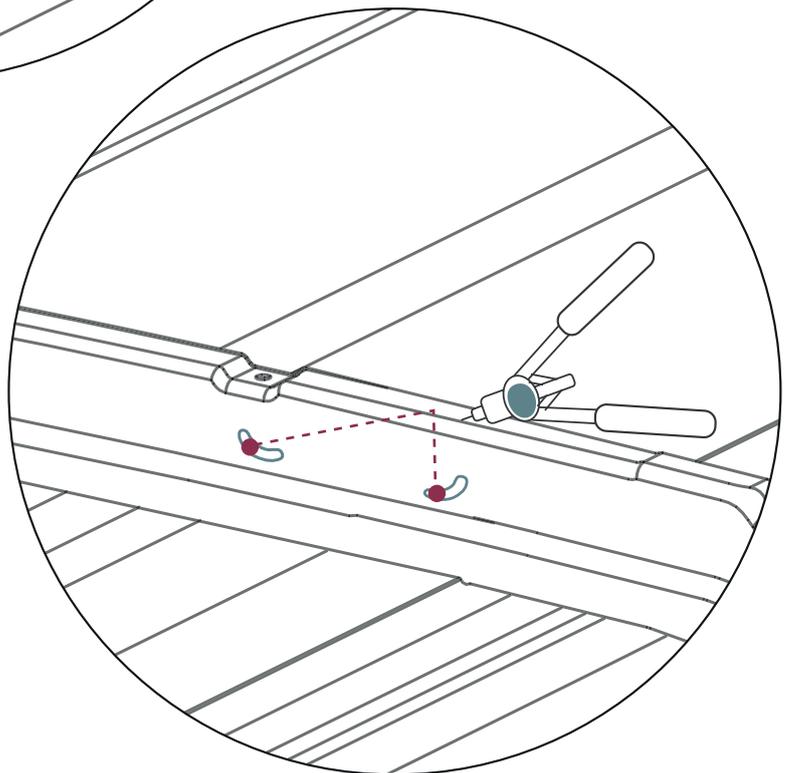
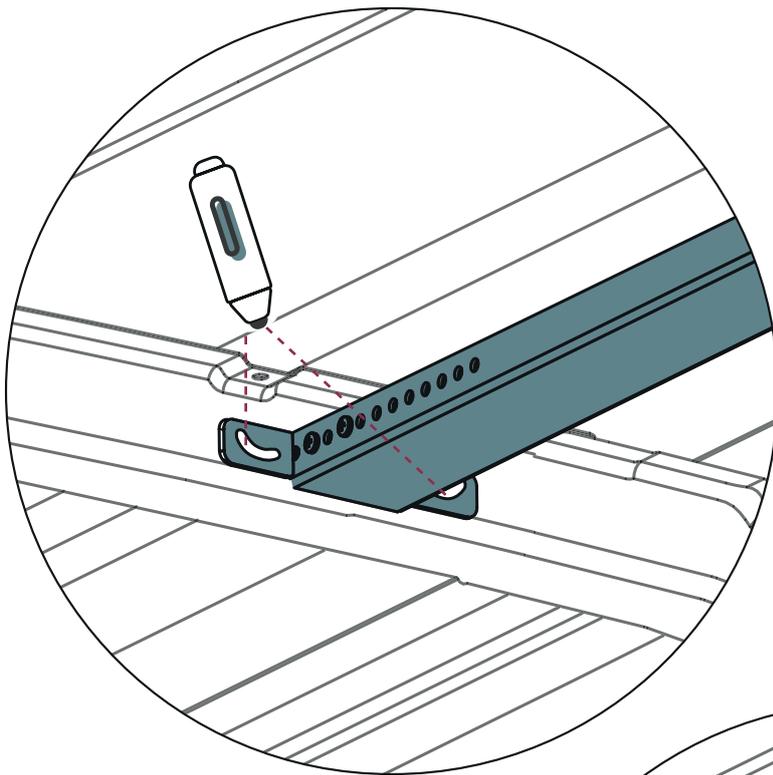


M5 rivet nut



Riveting machine

Apply the Moon Frame at the target location facing its surface with the lower surface of the car's support beams. Trace the mounting locations with a marker through the holes in the mounting ears. Drill holes in these locations and tighten the rivet nuts.



Step 6



Screwdriver

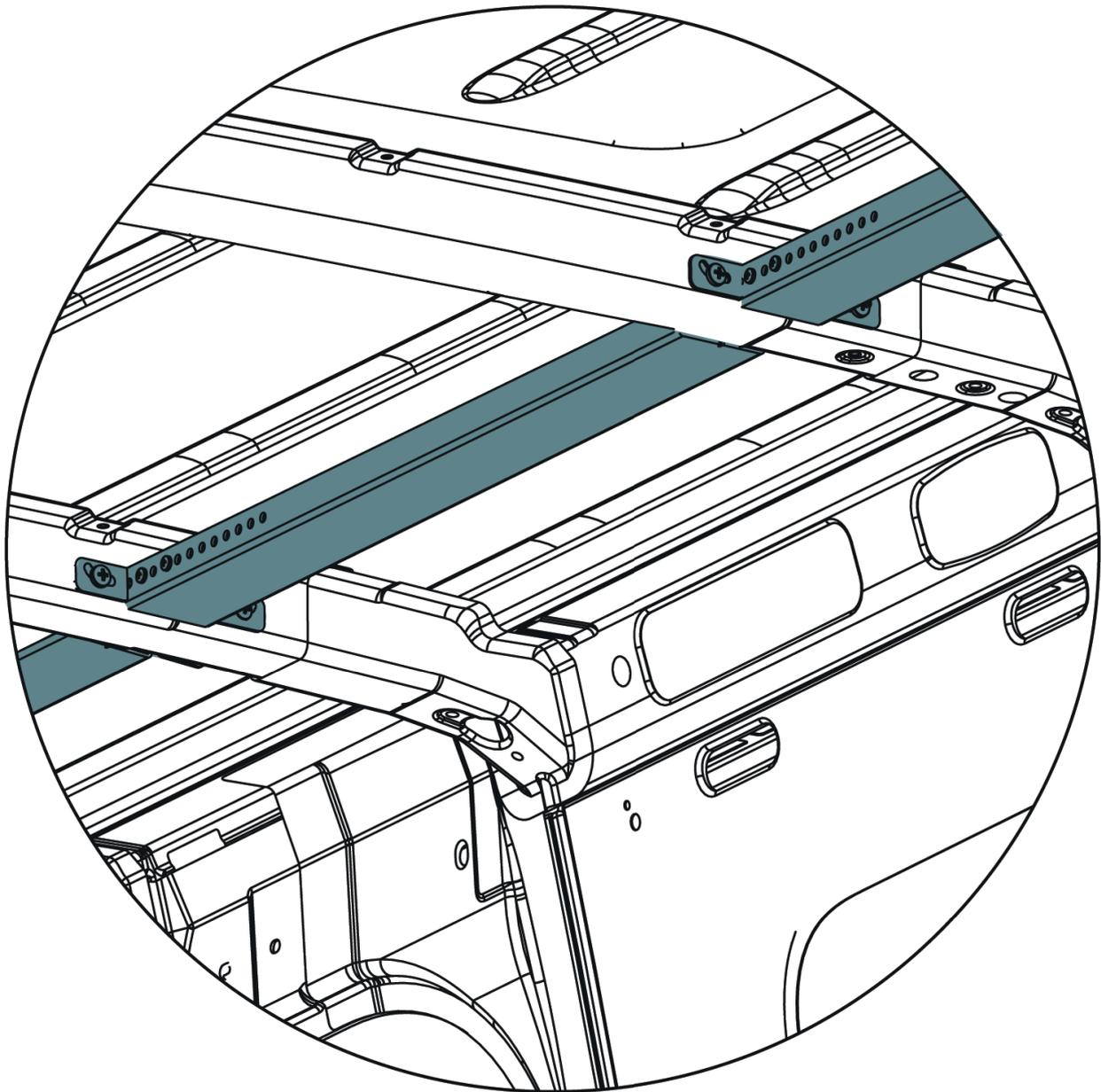


Combiners



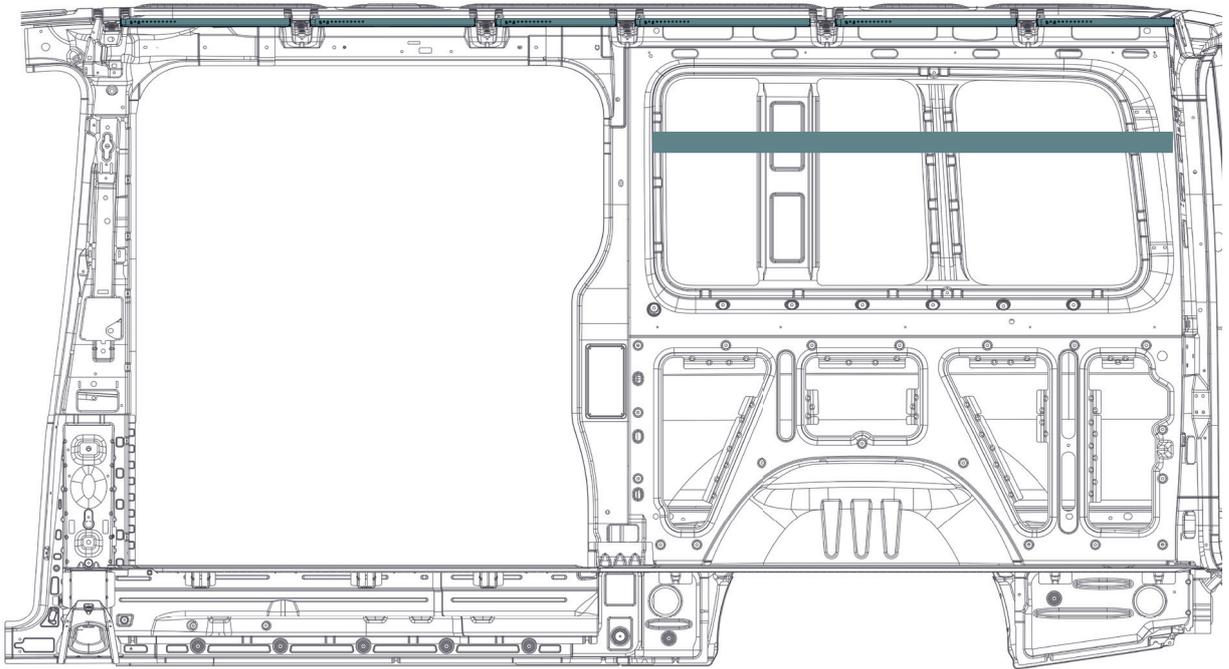
M5 screw

Moon Frame mounting ears are made of flexible aluminum. If necessary, they can be adjusted to the shapes of the support beams with pliers, pliers, etc.



Step 7

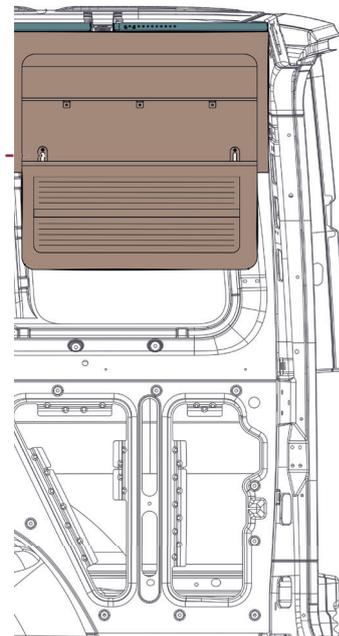
Moon Frame mounting on the side sides of the car.



Flamaster

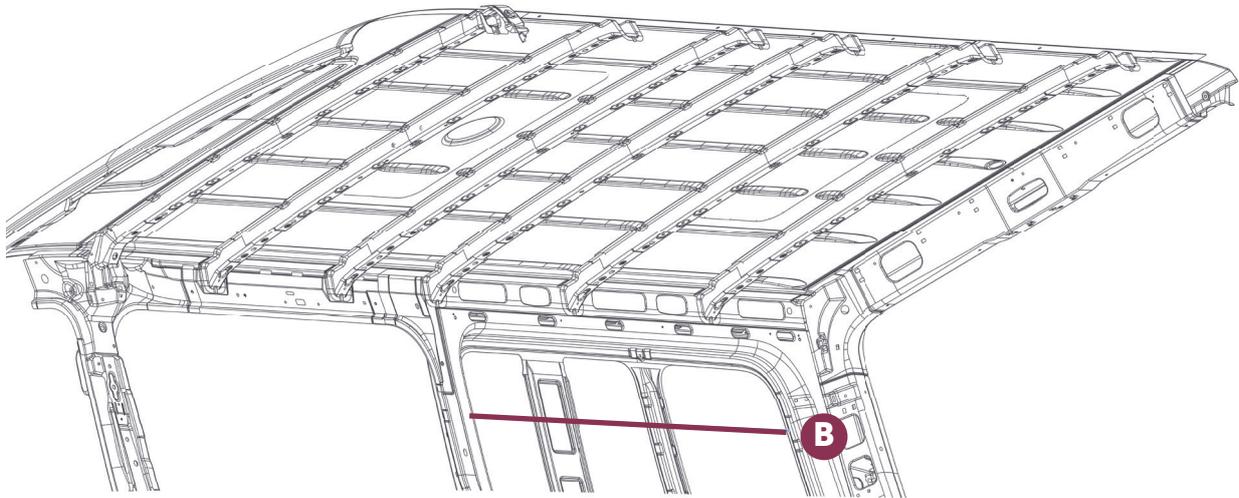
Apply the Moon Box to the car and trace the mounting holes with a marker Moon Box on the side wall of the vehicle.

Mapping location **B**



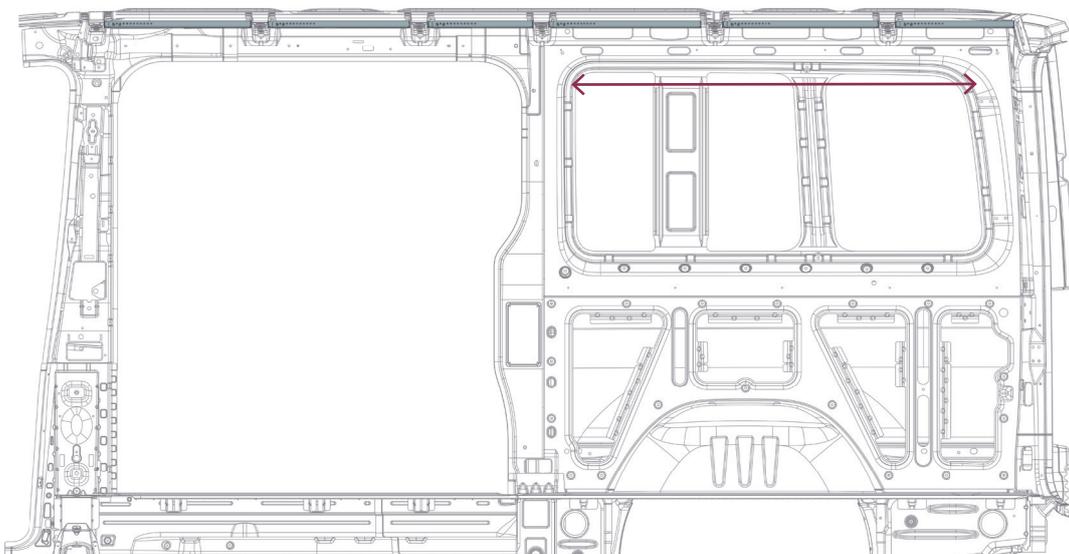
Step 8

Mark with a marker along the entire length of the car wall the center of the mapping of the Moon Box **B** mount. These are the Moon Frame mounting locations.



Measuring tape

Measure the distances on the vehicle wall. Depending on whether there is a window in this location, choose the mounting method and select the appropriate Moon Frame models.



Step 9



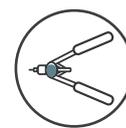
Drill



Flamaster



M5 rivet nut



Riveting machine



Screwdriver

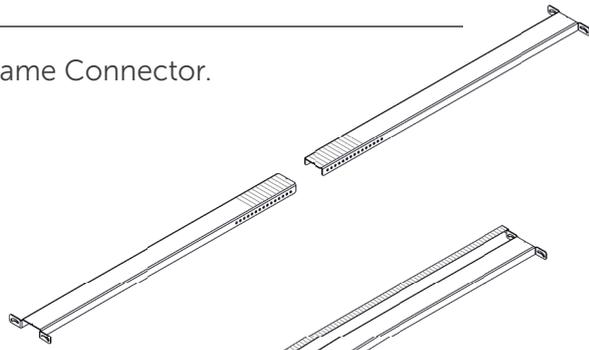


Combiners

Connecting two crossbars using the Moon Frame Connector.

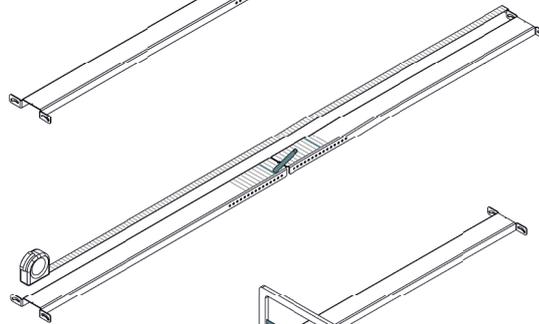
5A

Choose the appropriate length of Moon Frame by selecting two slightly longer pieces.



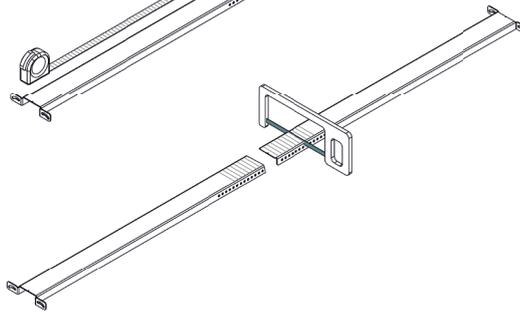
5B

If necessary, mark the place of cutting.



5C

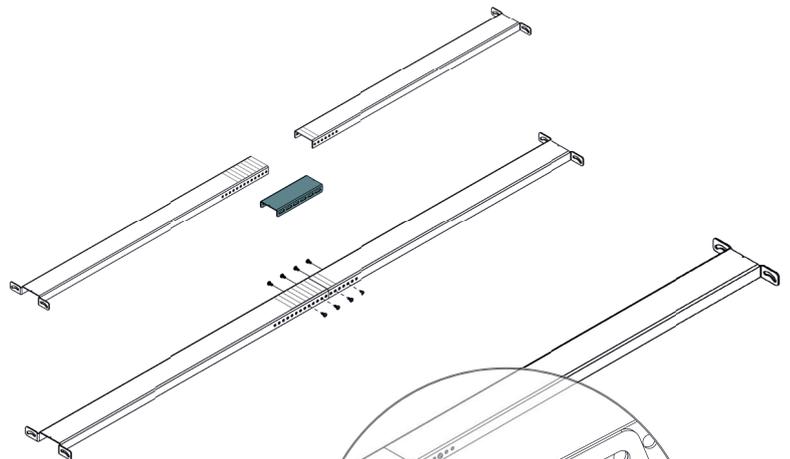
In the previously marked places, trim the Moon Frame with an aluminum saw. The cut is best made on both crossbars.



5D

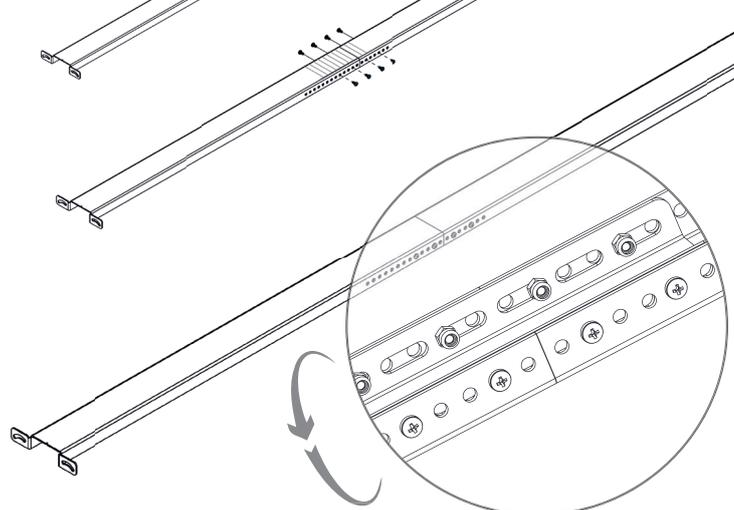
Connect the components using the Moon Frame Connector.

Use the 8 sets of nuts and bolts included in the kit.



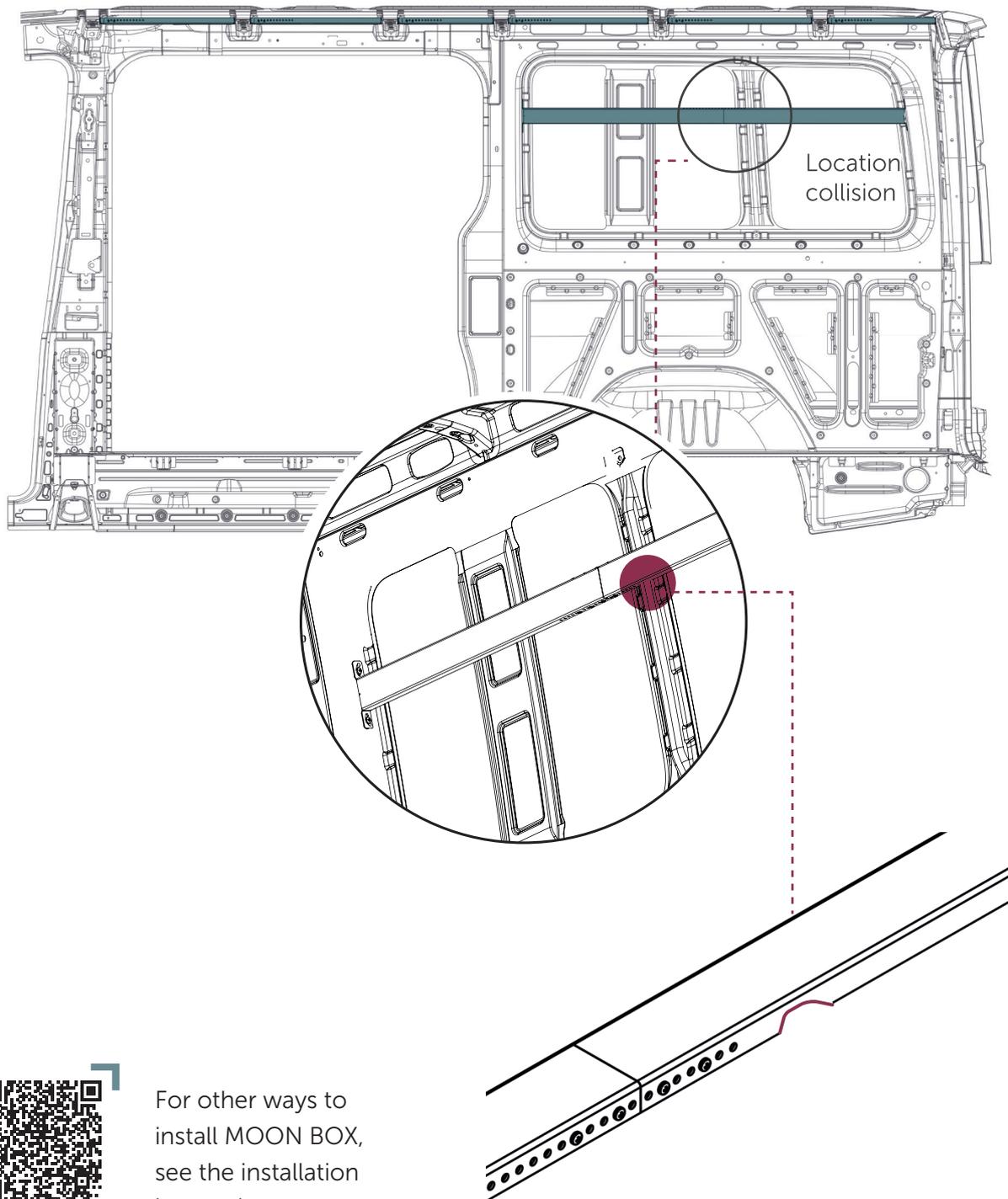
5E

View of the finished, assembled Moon Frame



Step 10

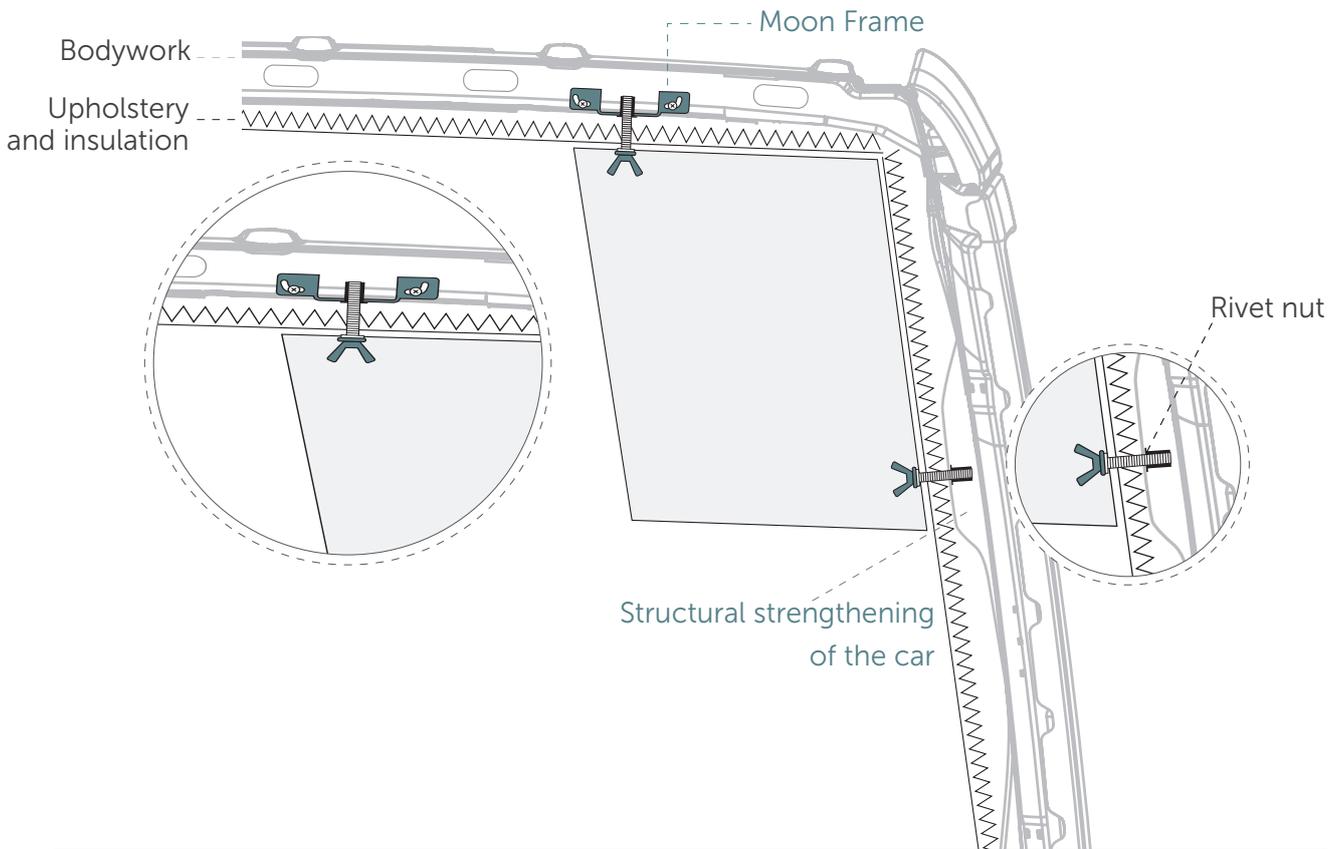
Installing Moon Frame, for example, in a window recess may require trimming Moon Frame at the structural reinforcement point. In such a situation, after applying the Moon Frame at the point of its application, mark the collision point with a marker and trim the Moon Frame at this point.



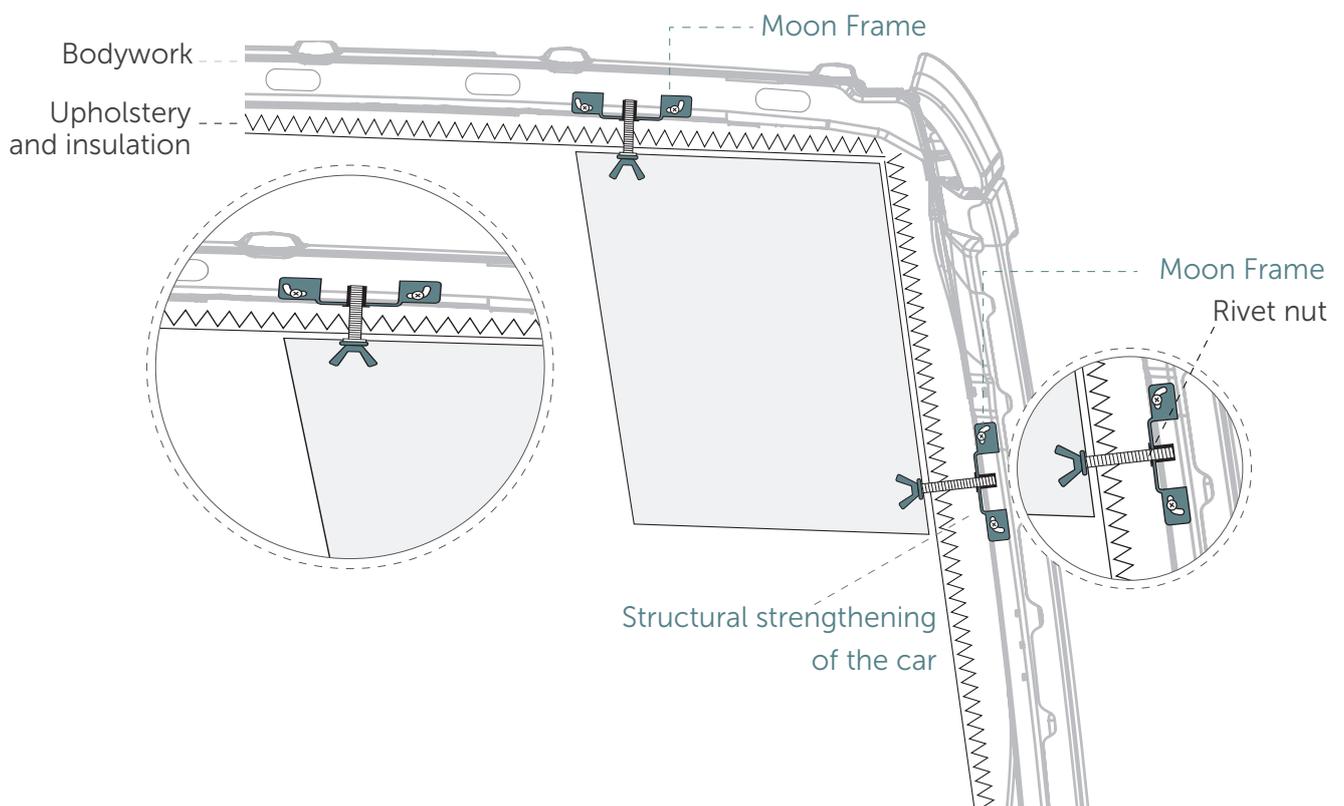
For other ways to install MOON BOX, see the installation instructions

Step 11

Properly installed Moon Box ceiling cabinet in cars with a high roof / H3 /.



Properly installed Moon Box ceiling cabinet in cars with a low roof / H1-H2 /.



Usage information



Cleaning

Wipe with a damp cloth.



Composition

Aluminium 100%



Transportation and storage

The products are packaged in plastic outer packaging.

Be transported in the original packaging.



Disposal of packaging

The packaging is made of recyclable cardboard, so do not throw it away, but put it in the landfill in the waste paper garbage cans or special containers for cardboard packaging. Foil should be placed in the container for plastic and metal.



Safety precautions

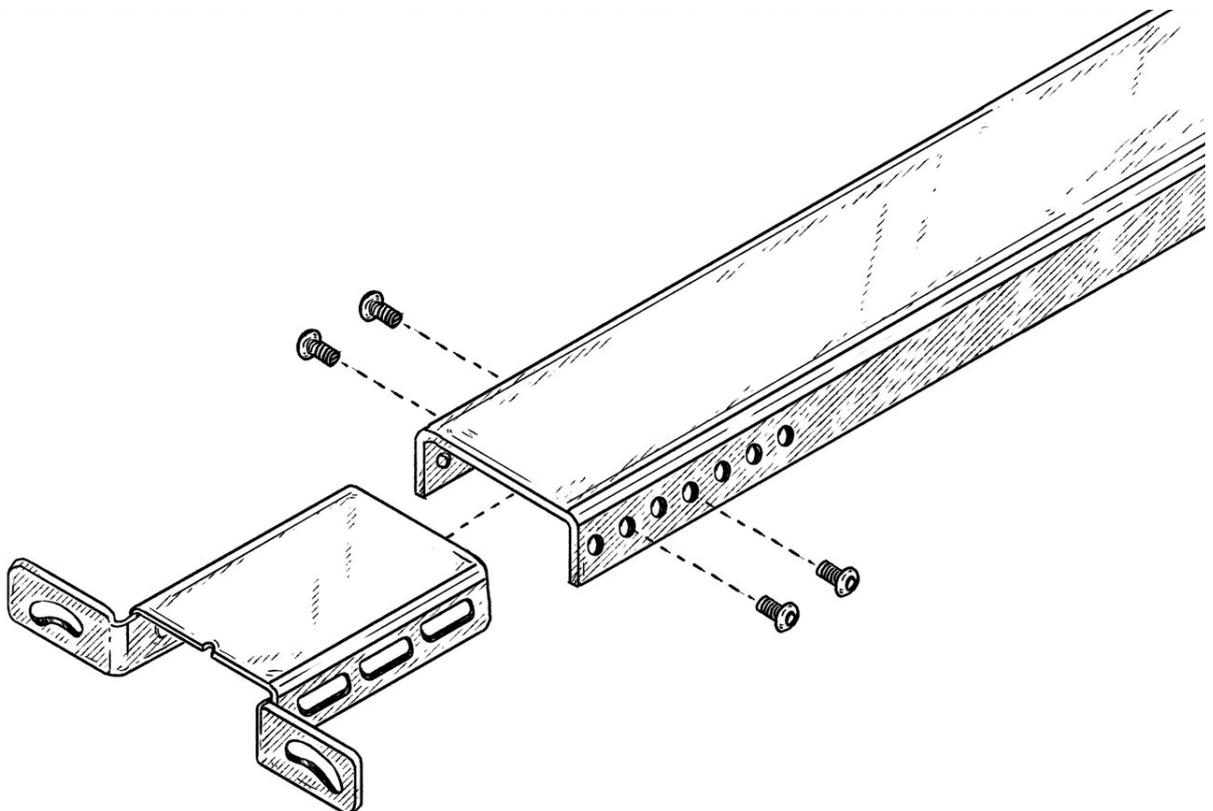
Make sure you read and understand the instructions before using the Moon Frame.

After installation, it is recommended to check the Moon Frame's attachment by pulling the whole structure firmly.

Protect from moisture.

Do not load Moon Frame above the recommended maximum weight.

Do not use any sharp objects such as knives, screwdrivers, etc., to remove the outer packaging.



Notes



www.vandermoon.com



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shop@vandermoon.com

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