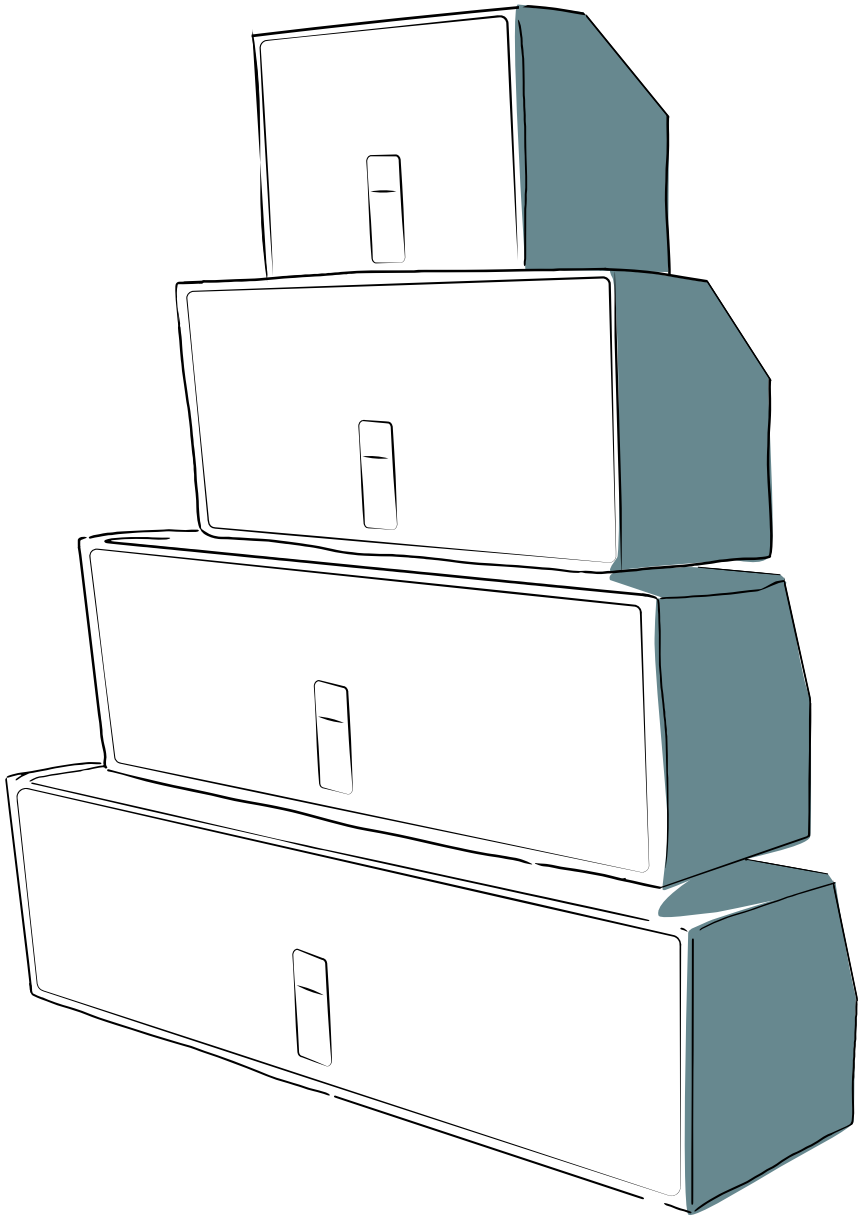
MOON**BOX IO**

Assemble manual

Hello! Thank you for choosing our products. We put our hearts into making them, so we're even more delighted that you liked them. In the following instructions, you will find all the information you need.



Live light at
vandermoon.com

Models HPL-02:
Moon Box IO
Moon Box IO ML (Molle+Light)
Moon Box IO K (Kitchen)
Moon Box IO S (Special)

Since 1993, Vitberg has been producing medical devices
for rehabilitation, treatment, cosmetology and sports.

Its products are known and appreciated.

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

We have translated the experience gained over the years
binto the production of accessories for people like us.

This is how the Van Der Moon brand was born.

Made in Poland, EU.
www.vandermoon.com

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General **information**

MOON BOX IO – Technical Specification

Moon Box IO represents a new generation of rigid wall-mounted aluminum cabinets specifically designed for campervans and boats. The construction is made entirely of high-quality aluminum, with every element precision-cut and bent in our factory. We assemble all connections using aircraft-grade rivets and additional reinforcement to ensure maximum durability and vibration resistance. The entire structure receives a specialized powder coating through electrostatic spraying, resulting in a perfectly smooth surface with exceptional scratch resistance.

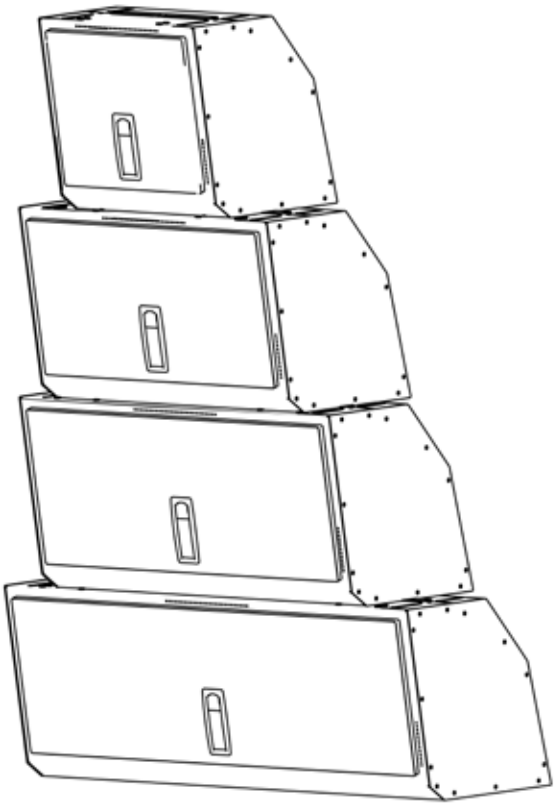
Moon Box IO comes in four sizes (25, 40, 50, or 65 cm) while maintaining a compact height of 26.7 cm for optimal space utilization. The fronts are made of HPL board. Each cabinet comes equipped with professional lever locks that combine durability, reliability, and protection against accidental opening during travel. The hydraulic piston hinges ensure smooth, silent operation while providing easy access to stored items.

The innovative MOLLE system, available as an option, represents our unique approach to storage customization. Instead of traditional webbing straps, we CNC laser-cut it from aluminum, creating a robust platform for attaching various accessories. Customers can choose to enhance their MOLLE system with integrated LED lighting, featuring both white and red modes for versatile illumination options. The cabinet includes three strategically placed ventilation points that allow for complete air exchange within 45 minutes.

All production stages are carried out in our Polish factory, from initial cutting and bending to final polishing and painting, ensuring precise quality control of each element. We stand behind our product with a 10-year warranty, confirming our confidence in Moon Box IO's durability and performance in any environment.

Available colours:

Dark Grey | Green Dawn | Ecru | Dark Nut Brown



Compatible car models:

Angle 109°

Mercedes Sprinter
Volkswagen Crafter I
Volkswagen LT
Ford Transit MK8
Nissan NV400
Renault Master 3
Opel Movano 2

Angle 105°

Ford Transit MK7

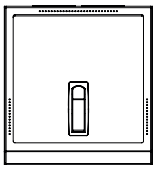
Angle 101,5°

MAN TGE
Volkswagen Crafter II
RAM Promaster
Fiat Ducato III
Citroen Jumer II
Peugeot Boxer II
Opel Movano 3
Toyota Proace Max

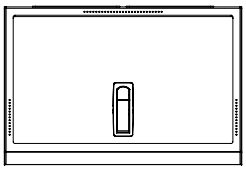
Angle 90°

Fits: RVs, Boats & Vans
(90° wall-ceiling angle)

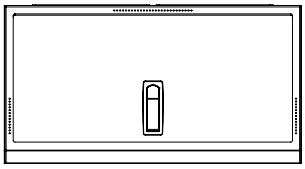
Available **versions**



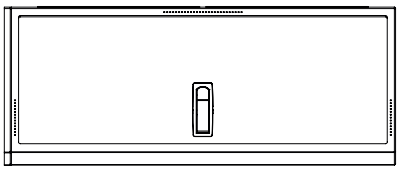
MOON**BOX IO 25**
Size: 250x267x259 mm
Weight: 1,7 kg (+/-100g)
Capacity: 17 l



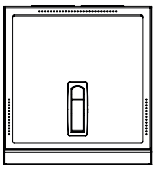
MOON**BOX IO 40**
Size: 400x267x259 mm
Weight: 2,5 kg (+/-100g)
Capacity: 27 l



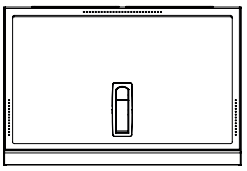
MOON**BOX IO 50**
Size: 500x267x259 mm
Weight: 3 kg (+/-100g)
Capacity: 34 l



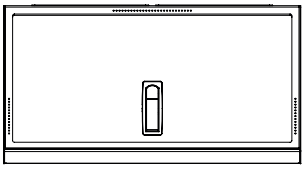
MOON**BOX IO 65**
Size: 650x267x259 mm
Weight: 3,5 kg (+/-100g)
Capacity: 44 l



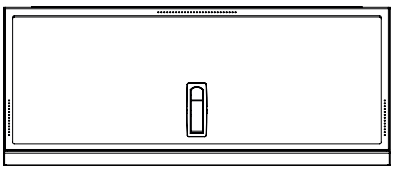
MOON**BOX IO Molle 25**
Size: 250x267x259 mm
Weight: 2,4 kg (+/-100g)
Capacity: 15 l



MOON**BOX IO Molle 40**
Size: 400x267x259 mm
Weight: 3,2 kg (+/-100g)
Capacity: 24 l

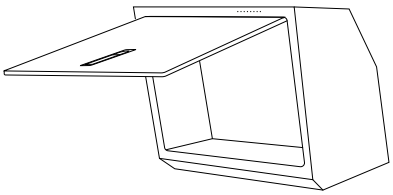
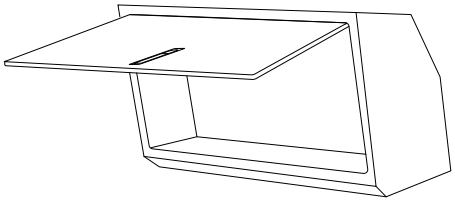
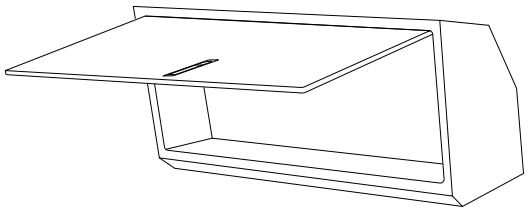
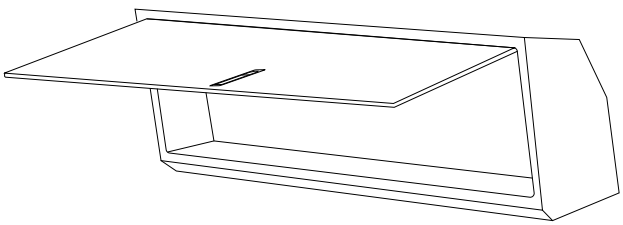


MOON**BOX IO Molle 50**
Size: 500x267x259 mm
Weight: 3,7 kg (+/-100g)
Capacity: 30 l



MOON**BOX IO Molle 65**
Size: 650x267x259 mm
Weight: 4,2 kg (+/-100g)
Capacity: 40 l

Maximum **shelf load**

	Moon Box IO without Molle	Moon Box IO with Molle
MOON**BOX IO 25** 	15 KG	20 KG
MOON**BOX IO 40** 	15 KG	20 KG
MOON**BOX IO 50** 	15 KG	20 KG
MOO**NBOX IO 65** 	15 KG	20 KG

Tools **needed**

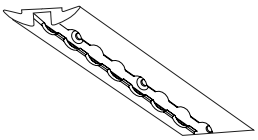
Drill

Riveting machine for blind rivets and/or riveting machines for rivet nuts

Flat-blade screwdriver

Set of **elements**

1A – MOON**FIX**

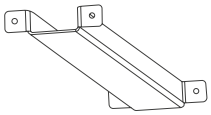


2 – **Airline** board

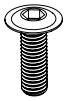
4A – Rivet nut M6

5A – Rivet nut M5

1B – MOON**FIX**

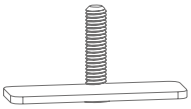


3 – MOON**FRAME**



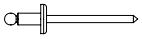
4B – Bolt M6

5B – Bolt M5



1C – MOON**FIX**

5C – Screw washer ø 5



5D – Blind rivet

Prepare your car for assembly MOON**BOX IO**

MOON**BOX IO** can be assembled in three ways:

I. using Moon Frame (**3**) to which M6 4 rivet nuts are screwed directly (using a sheet metals crewdriver) – **page 10**

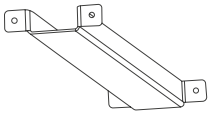
II. using Moon Frame with an additional Arline board – **page 12**

III. only using Arline boards (without using Moon Frame 3) – **page 15**

IMPORTANT!

To fully load the Moon Box IO (as per the manufacturer's recommendations), you should use the first or second method (Moon Frame mounted to the vehicle's body). Mounting Airline rails will also transfer the full load, BUT ONLY if they are attached to the vehicle's body using rivet nuts or removable rivets (when mounting on sheet metal screws or wood screws, respectively, for sheet metal, plywood, and/or other materials, the manufacturer is not responsible for the load-bearing capacity of these connections).

MOON**FRAME** assembly

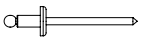


3 – Moon Frame

5A – Rivet nut M5 **x4**

5B – Bolt M5 **x4**

5C – Screw washer ø 5 **x4**



5D – Blind rivet **x4**

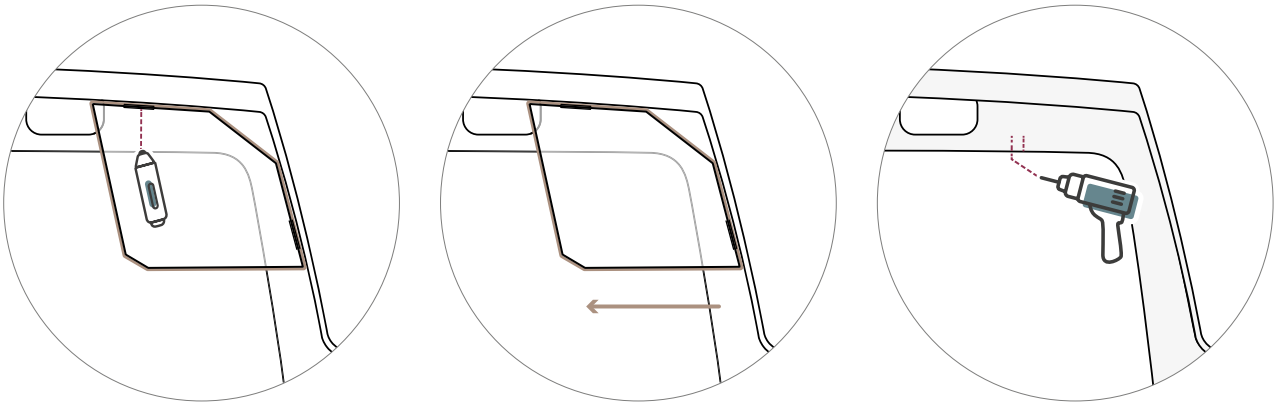
Moon Frame(**3**) is a structural reinforcement used to mount the Moon Box IO, Airline boards or other suspended accessories.

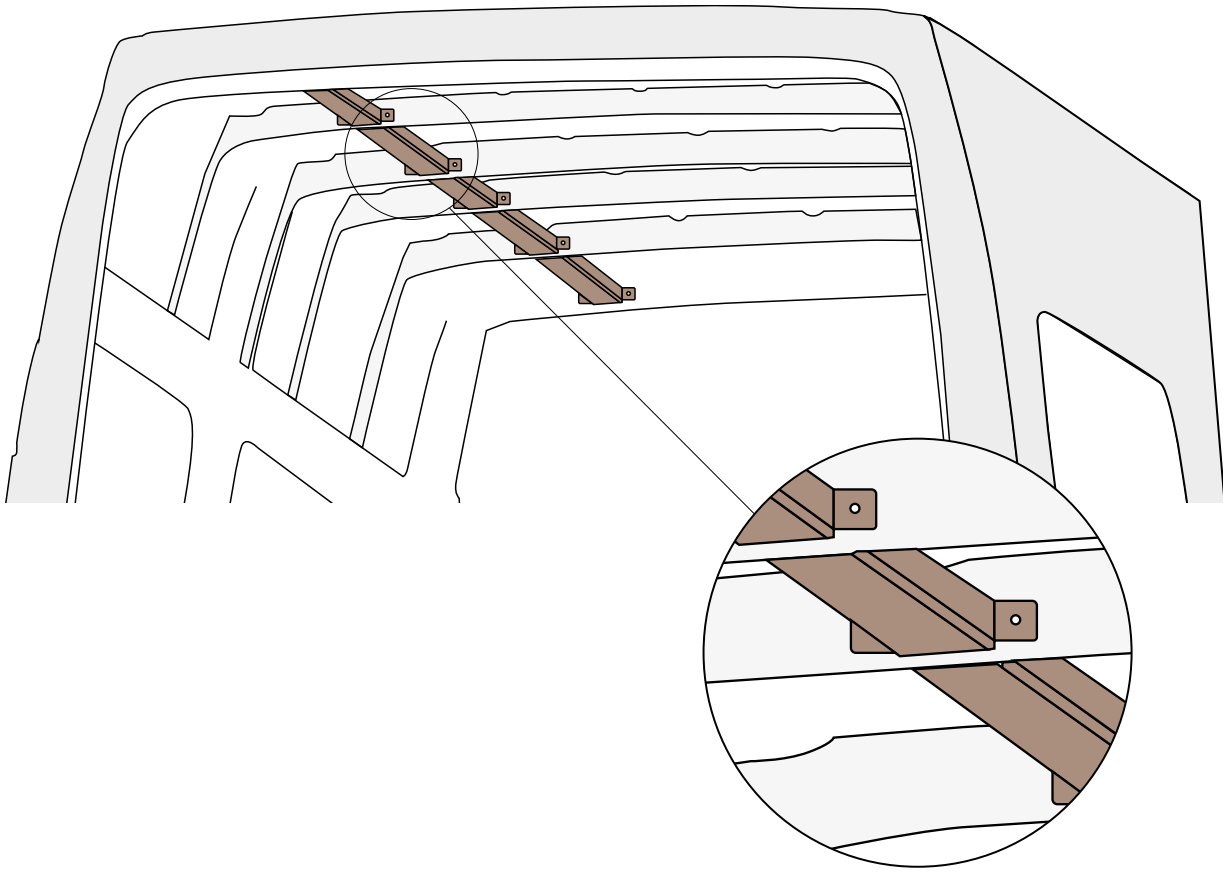
Moon Frame (**3**) crossbars to the car body should be fastened on M5 (**5A**) rivet nuts and M5 bolts (**5B**) and screw washers (**5C**) (to protect against unscrewing) or on blind rivets ø 5 (**5D**).

Moon Frame are not included in the set, you can purchase them separately on our website.

LOOK HERE

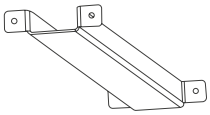
Place the Moon Box IO in the desired location inside the car. Through the upper mounting hole, mark a line on the vehicle's body using a pencil. To the marked line, add the thickness of the upholstery that you will be mounting, and move the marking inwards towards the cabin by that thickness. In the marked location, attach the Moon Frame or AirLine strips in such a way that the marked line is in the center.





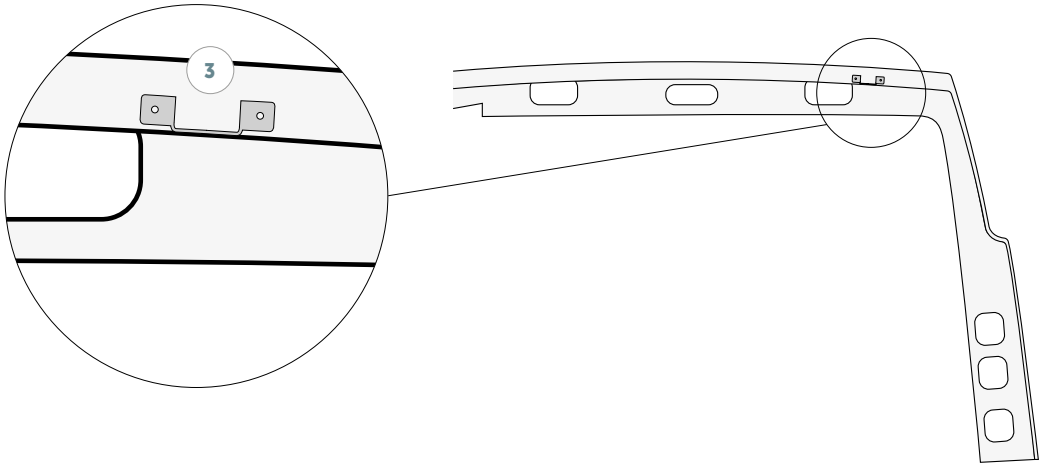
I. MOON**FRAME** + MOON**BOX IO**

Step 1



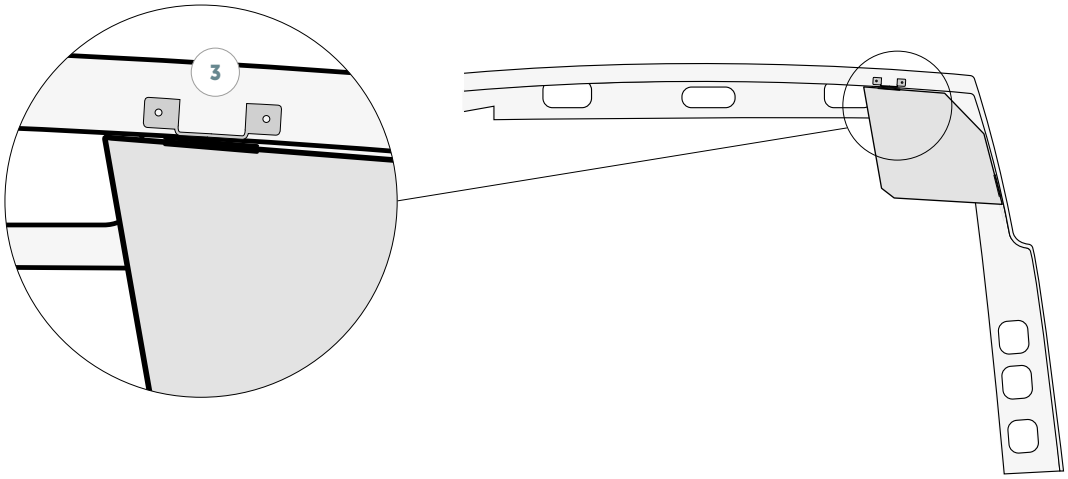
3 – Moon Frame

Mount the Moon Frame (**3**) reinforcement bars to the vehicle body. Install the ceiling and wall covering (finishing elements not included).



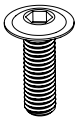
Step 2

Set the Moon Box IO in the target place so that the mounting holes coincide with the previously installed crossbars (**3**) and mark the places of the holes. The upper mounting holes are to be drilled in the Moon Frame (**3**) crossbars. The lower mounting holes are to be drilled in the original body reinforcement.



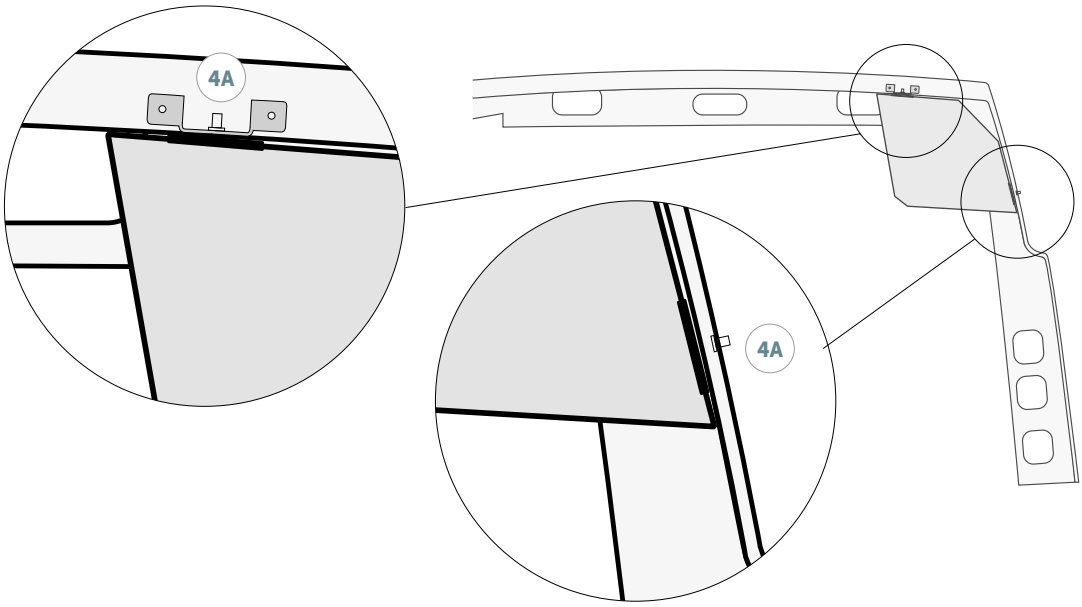
Step 3

4A – Rivet nut M6 **x4**



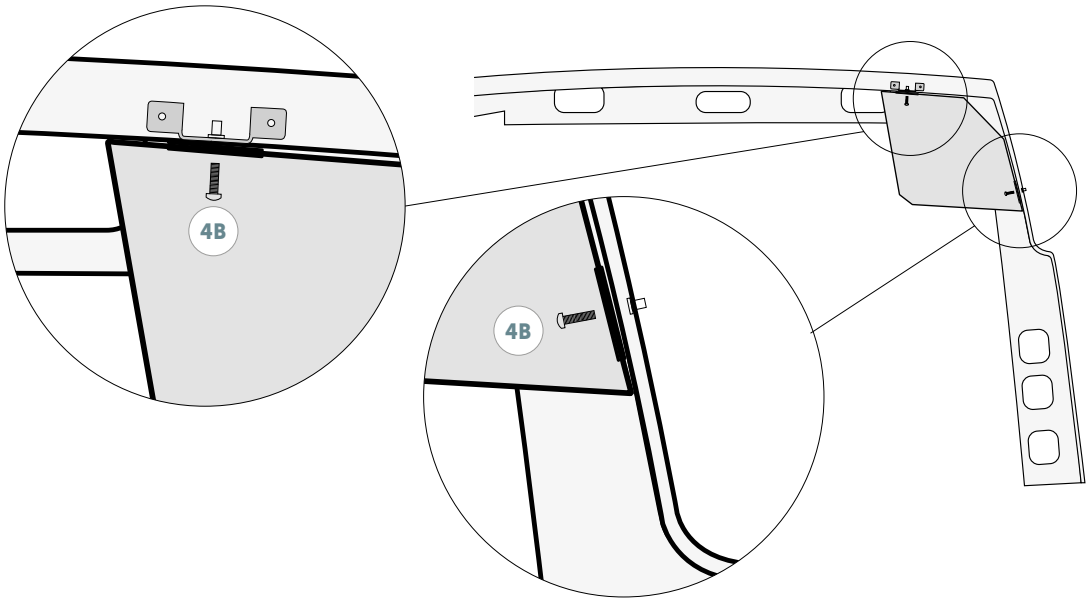
4B – Bolt M6 **x4**

Rivet the rivet nut into the drilled holes **4A**



Step 4

Apply the Moon Box IO to the car body in accordance with the drilled holes, screw the element to the structure with M6x40 **4B** screws through the mounting holes in the Moon Box IO

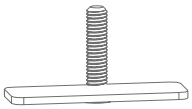


II. MOON**FRAME** + Airline + MOON**BOX IO**

Set of mounting elements for Airline board.

1A – Moon Fix
4x

1B – Moon Fix
4x

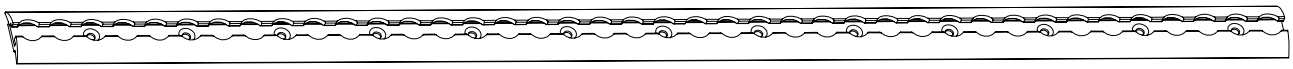


1C – Moon Fix
4x

Moon Fix – is a set of mounting screws used in the Moon Box IO installation system.

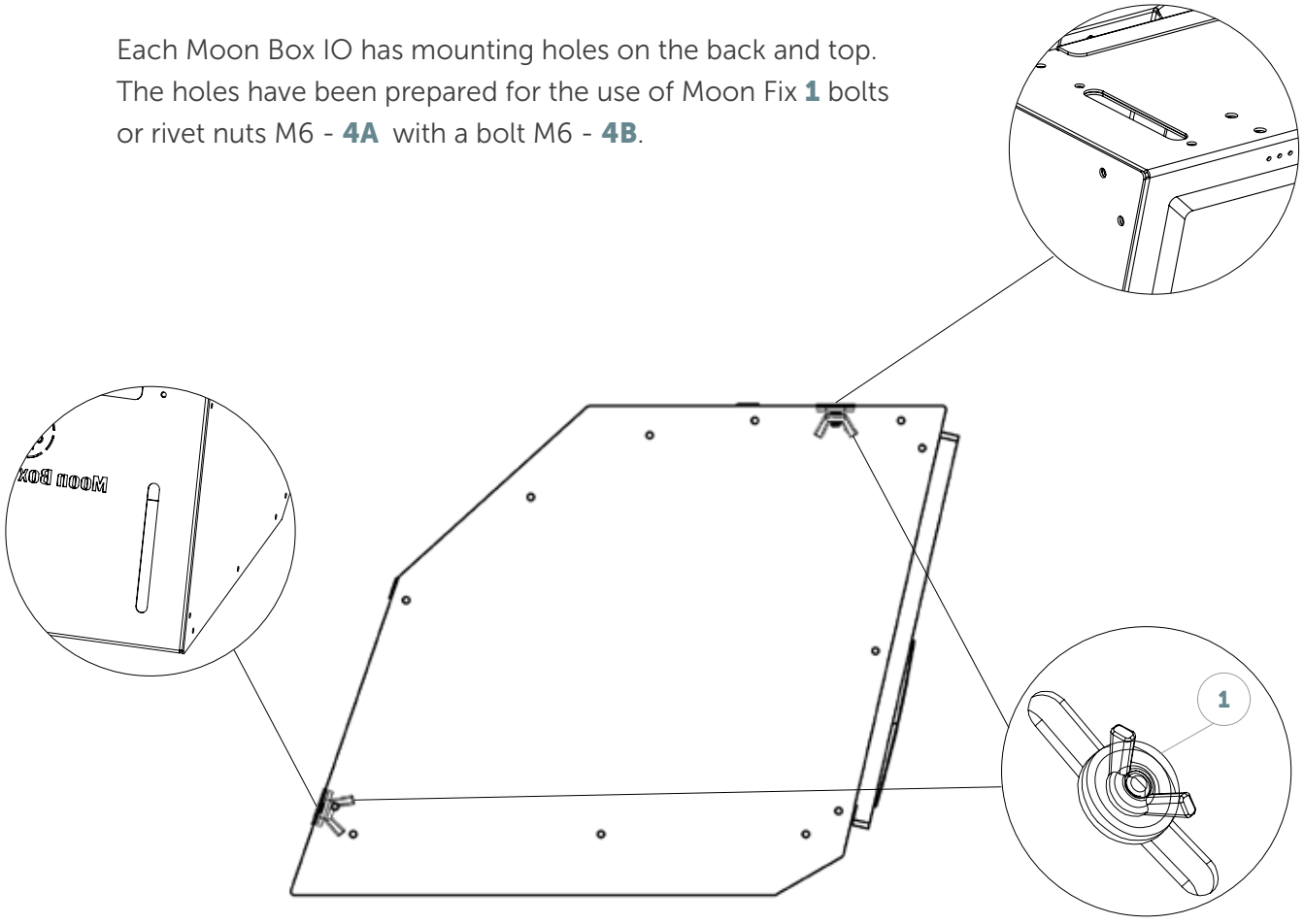
Moon Fix fits all versions of Moon Box IO.

In set you will find 4 bolts (mounting bolts M6x40, are equipped with a steel element inserted into the Airline board) **1C**, 4 wing nuts M6 **1A** i 4 round washers **1B** (M6/140HVwhite galvanized).



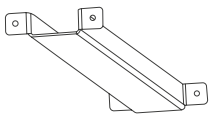
2 – Airline board (It is not included in the set) **2x**

Each Moon Box IO has mounting holes on the back and top. The holes have been prepared for the use of Moon Fix **1** bolts or rivet nuts M6 - **4A** with a bolt M6 - **4B**.

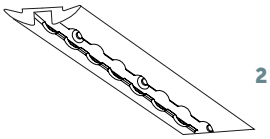


Moon Box IO cross-section - side view.

Step 1

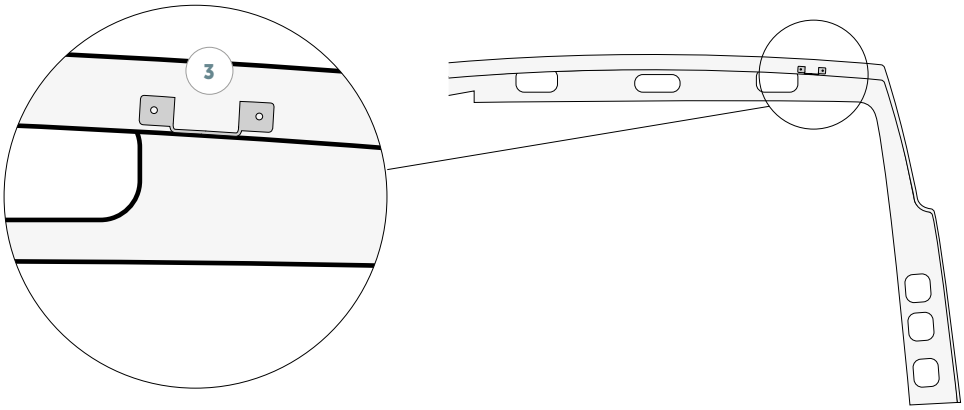


3 – Moon Frame

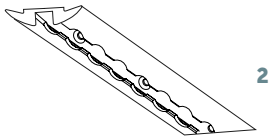


2 – Airline

Mount the Moon Frame reinforcement bars (**3**), to the vehicle's body, to which the Airline board (**2**) will be attached in subsequent steps. Install the ceiling and wall covering. Finishing elements, reinforcing crossbars and Airline strips are not included in the set.

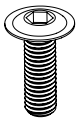


Step 2



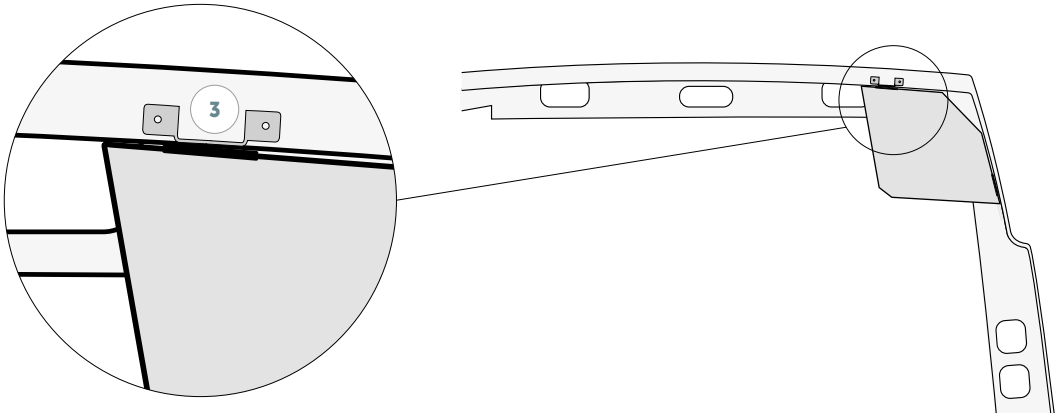
2 – Airline

4A – Rivet nut M6 **x4**



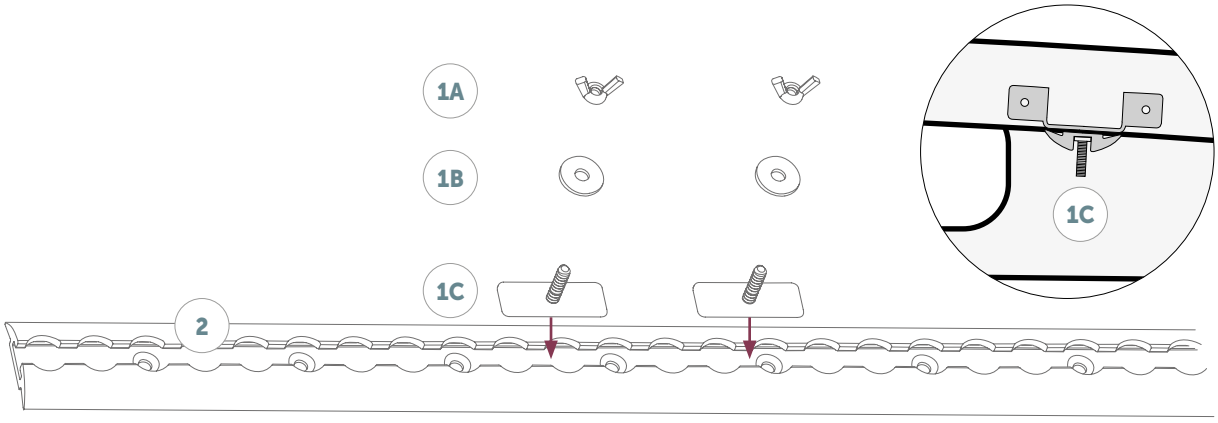
4B – Bolt M6 **x4**

Set the Moon Box IO in the target place so that the mounting holes coincide with the previously installed crossbars (**3**) and mark the places of the holes. The upper mounting holes are to be drilled in the Moon Frame (**3**) crossbars. The lower mounting holes are to be drilled in the original body reinforcement.



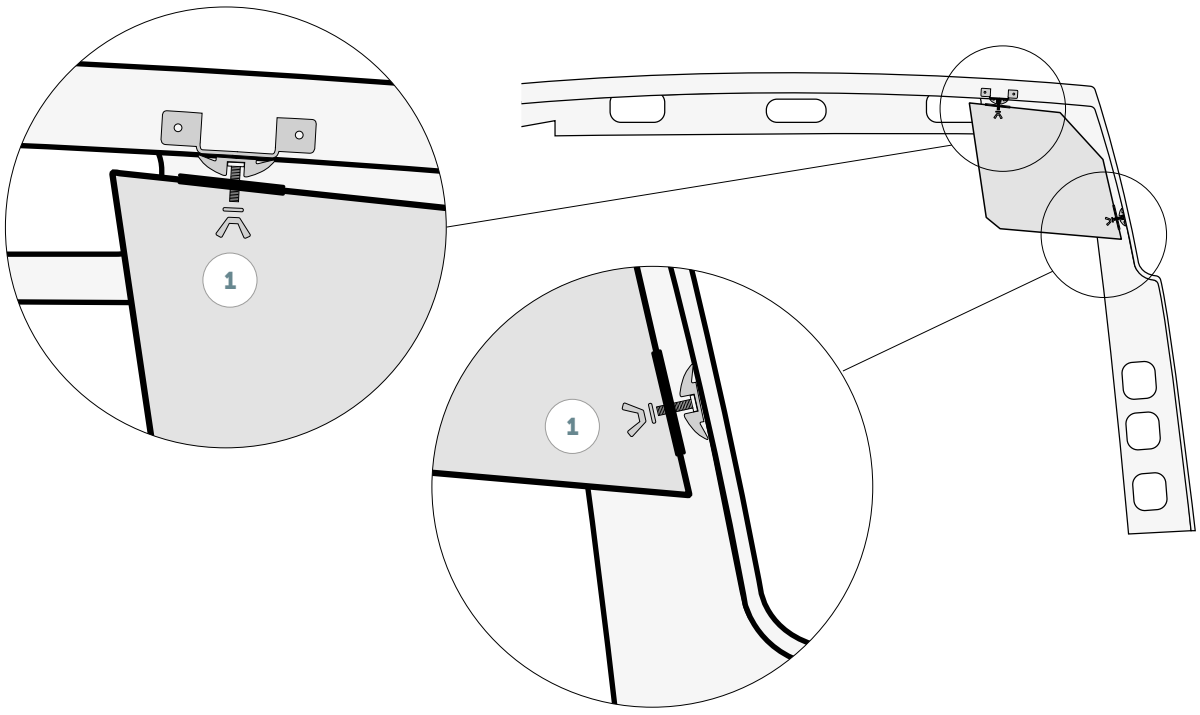
Step 3

Screw the Airline boards to the previously installed reinforcing bars. The connection must be solid and durable Insert Moon Fix **1C** screws into the mounted Airline board **(2)**. The number of prepared screws must correspond to the number of mounting holes in the planned Moon Box IO installation.



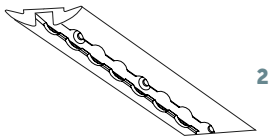
Step 4

Attach the Moon Box IO to the Airline boards **2** by inserting the Moon Fix **1C** bolts through the mounting holes and tightening the wing nuts **1A** and washers **1B** from the inside of the Moon Box IO.



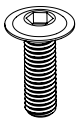
III. Airline + MOONBOX IO

Step 1



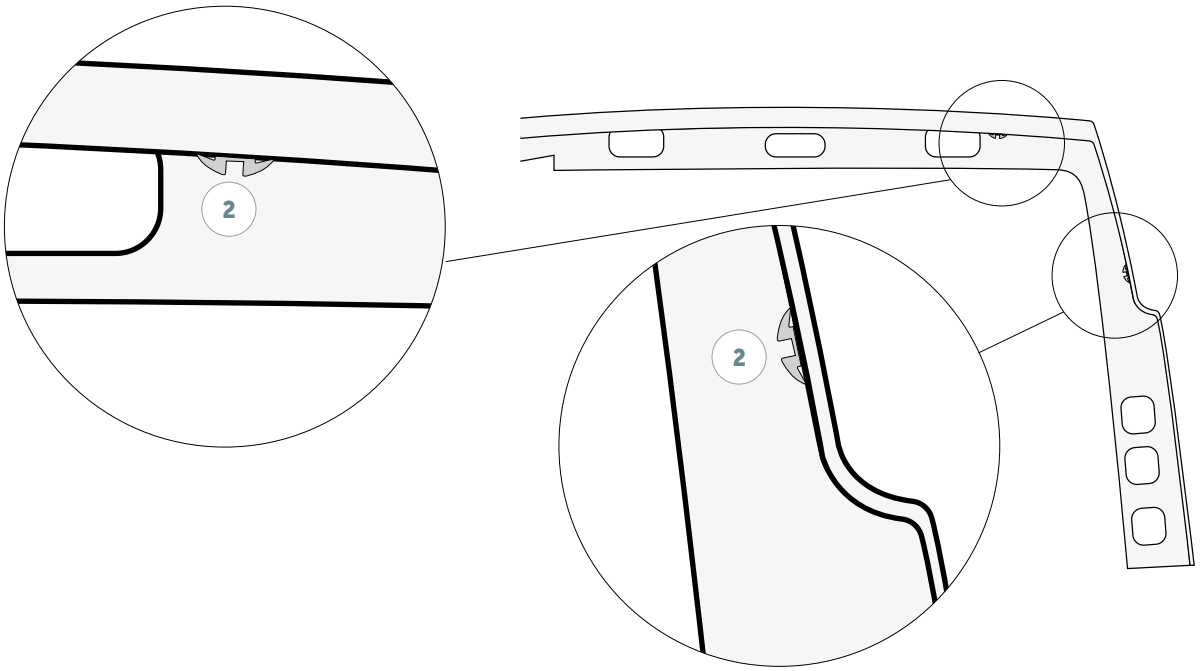
2 – Airline

4A – Rivet nut M6 **x4**



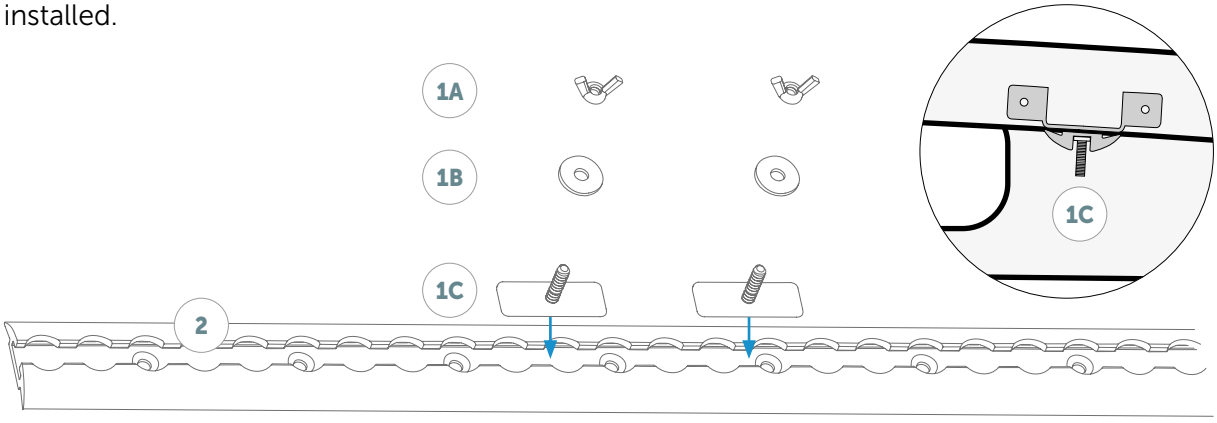
4B – Bolt M6 **x4**

Fasten Airline **2** to the car body with M6 rivet nuts **4A** and M6 countersunk bolts **4B**.



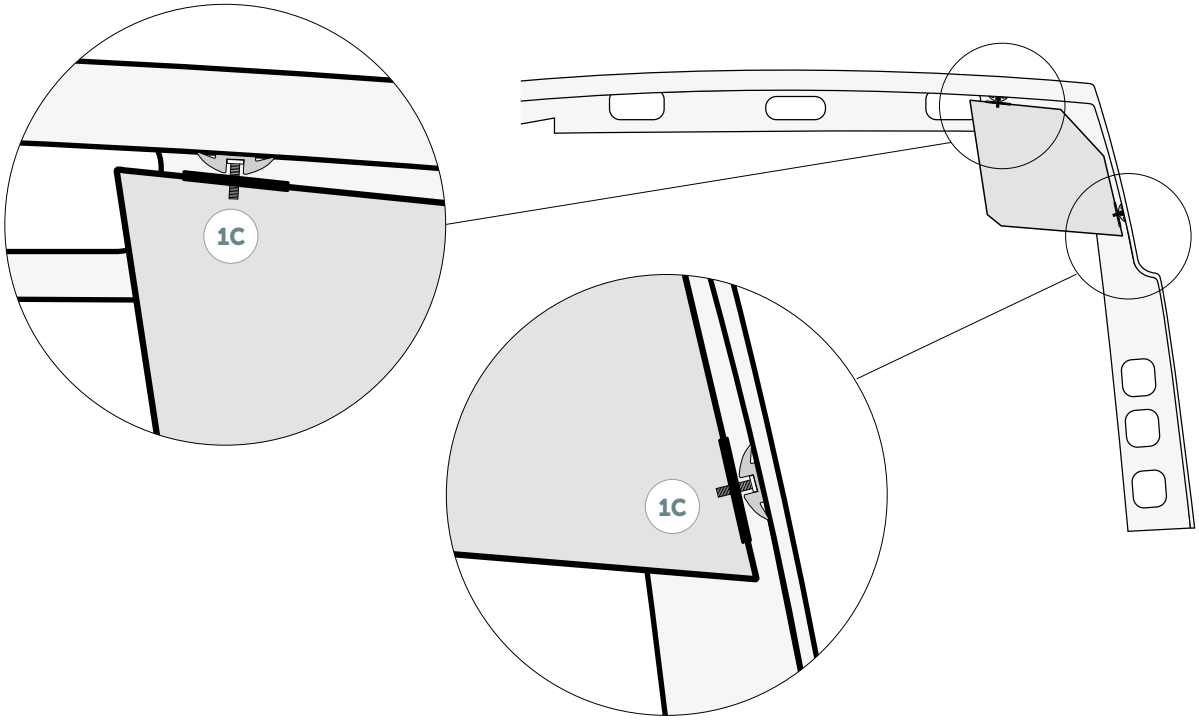
Step 2

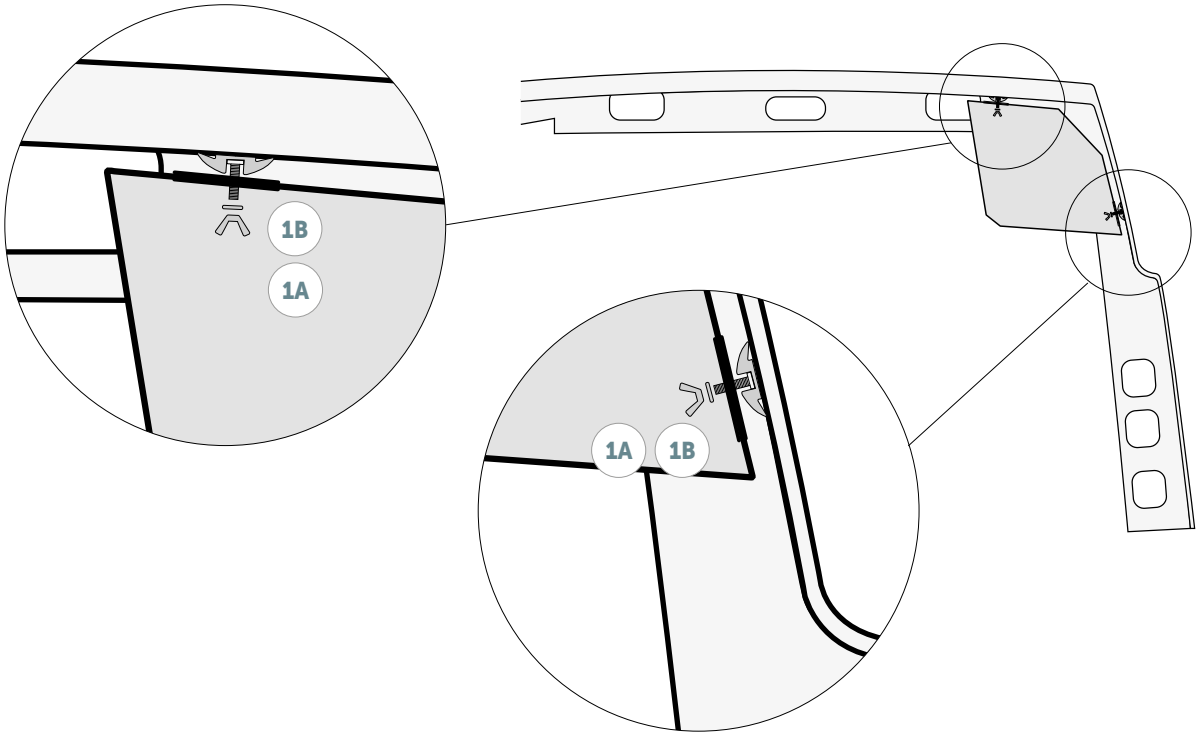
Insert the Moon Fix **1C** screws into the installed Airline boards **2**. The number of prepared bolts must correspond to the number of mounting holes in the Moon Box IO planned to be installed.



Step 3

Attach the Moon Box IO to the Airline boards **2** by inserting the Moon Fix **1C** bolts through the mounting holes and tightening the wing nuts **1A** and washers **1B** from the inside of the Moon Box IO.





Information **regarding use**

Cleaning

Clean aluminum surfaces with a soft cloth and mild detergent. For oak veneer parts, use specialized wood furniture cleaners. Avoid abrasive materials and harsh chemicals. Keep ventilation points clear of debris.
Wipe dry after cleaning to prevent water spots.

Composition

Aircraft-grade aluminum construction, HPL fronts, professional-grade hardware

Tranport and storage

The products are packed in cardboard outer packaging.
During transport, they should be placed horizontally or vertically.
Must be transported in the original packaging.

Disposal of the packaging

The packaging is made of recyclable cardboard, so it should not be thrown away, but stored in alandfill in waste paper bins or special containers for cardboard packaging.

Precautions

Please read and understand all installation instructions before mounting the Moon Box IO.

After installation, verify the security of mounting by applying moderate force to test the attachment.

While aluminum construction is UV-resistant, prolonged direct sunlight exposure may affect the natural oak veneer finish.

Keep away from open flames and heat sources.

Follow maximum load capacity guidelines specific to your model.

Use proper tools for installation and package opening to avoid damage.

While the aluminum construction is moisture-resistant, avoid exposing wood elements to excessive moisture.

Periodically check mounting points and hardware for proper tightness.

The exact specifications, dimensions, capacity, and load-bearing capacity, with distinctions for different versions, are detailed in the Moon Box IO Product Sheet, available for download on the www.vandermoon.com website.

SEE HERE

www.vandermoon.com

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