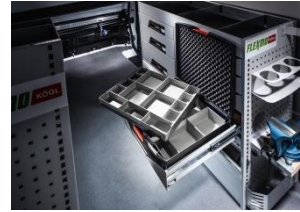


# ASSEMBLY INSTRUCTION FLEXMO™ VAN EQUIPMENT

**FLEXMO™**



## Professional Service-Car-Systems

Lighter. Flexible. Efficiently.

## **Introduction – Original assembly instruction**

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## 1. Introduction

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This manual describes the correct installation of the FLEXMO modules and the FLEXMO floor plates in your vehicle.

Before fitting out a van with FLEXMO it is important that the information in this manual has been read in full and understood.

Depending on your order and your vehicle, not all points of this manual are applicable.

Check before installation if you have received the goods completely.

If you have damaged or missing parts, so please contact directly your FLEXMO contact person.

We recommend the installation of the FLEXMO modules on a FLEXMO van floor.



**A van equipment is approved by the legislator as a load. Therefore shall be provided between passenger's cell and loading space a appropriate safety grid as a personal security.**



**Read this manual, take notice and keep it any time available for later looking-up.**

## 2. Overview assembly material and tools

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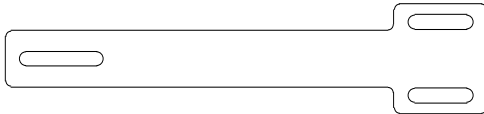
With your FLEXMO modules you receive the necessary mounting material.

### Mounting kit wall



Mounting bracket length 180 mm

1 Piece



Mounting bracket length 220 mm

1 Piece

A:	Screw M6x16 mit head lock	12 Pieces
B:	Flat washer Ø 30	4 Pieces
C:	M6 with protection flange	4 Pieces
D:	M6 car body spreading nut	8 Pieces

Hand assembly tool consists of 1 Piece

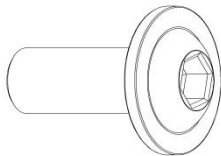
E:	Nut M8 SW 13
F:	Flat washer Ø 11
G:	Screw M6x35 SW10

**Mounting kit floor**

H: Quick drive-in nut M6 8 Pieces



I: Srew M6x16 with head lock 8 Pieces

**Required tools**

- Adhesive tape
- Mark pencil
- Combination spanner SW 10 and SW 13
- Drilling machine and drill Ø 10
- Wrench SK 4
- Torque key to 10 Nm

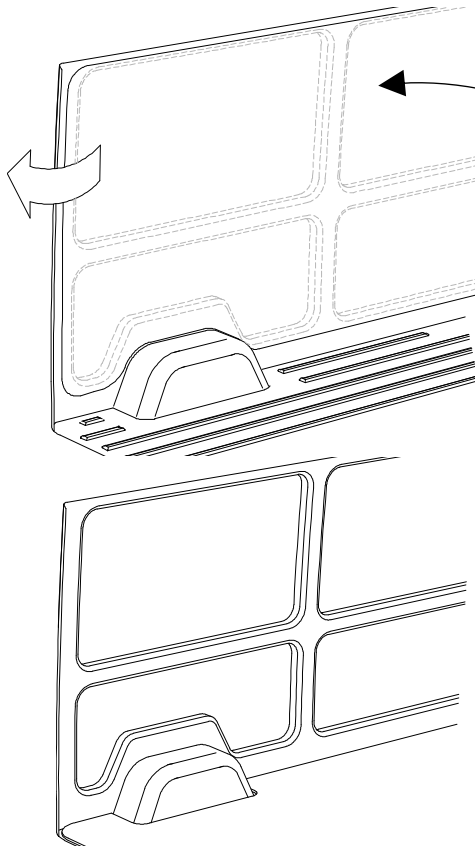
### **3. Assembly of the equipment**

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#### **Overview of the single steps:**

- 3.1 Remove wall covering (partly necessary)
- 3.2 Place the floor in the van
- 3.3 Position modules in the van
- 3.4 Determine the mounting point in car body
- 3.5 Determine the mounting point in the floor
- 3.6 Take out units and flooring of the van
- 3.7 Position the screw at the car body
- 3.8 Position the screw at the floor
- 3.9 Final assembly of the floor
- 3.10 Assembly panels (partly necessary)
- 3.11 Assembly modules on the floor
- 3.12 Assembly modules on the car body
- 3.13 Final assembly

### 3.1 Removal the the panel (partly necessary)



Should the panel be across the carrying structure you have to remove it to define the position to screw of the mounting bracket.

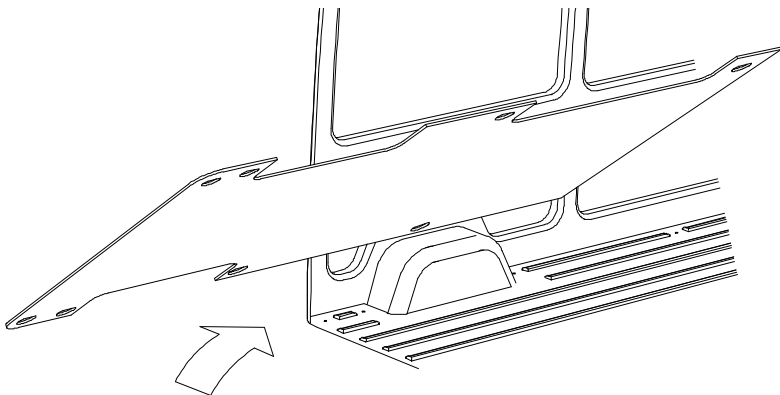
Now you can define position of the mounting bracket in the supporting structure

### **3.2 Mounting panel floors in the van**

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Put the panel loosely in the van.

According to vehicle the floor is composed from one or several parts.



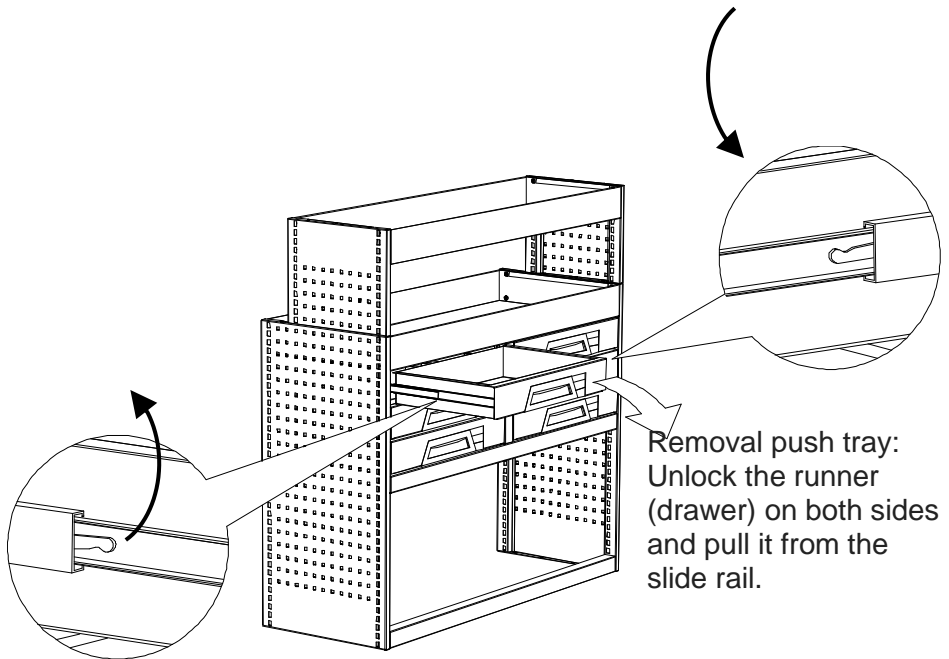


### 3.3 Mounting modules in the van

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Remove first all loose parts from the module as for example case and box.

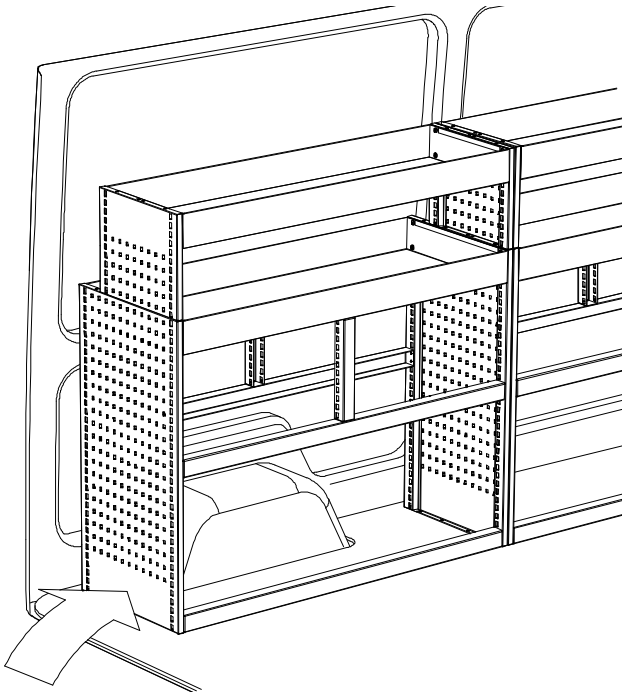
To simplify the work, you can also remove the drawers from the modules.



Put now the modules to the desired position in the vehicle.



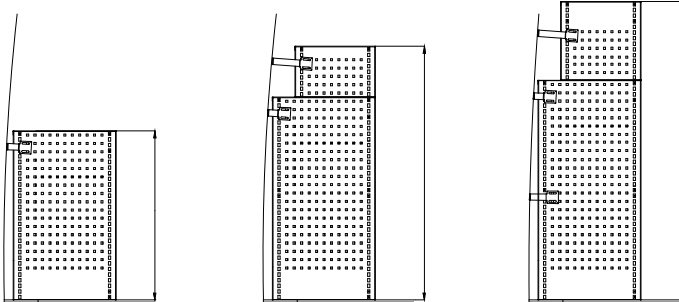
With the positioning of the modules to the side panels you probably have to consider the pre-removed lining panels.



## 3.4 Definition mounting points on the car body



**Number of mounting points:**



Height till 1000 mm	Height from 1001-1500mm	Height over 1500 mm
1 Wall bracket per side	2 Wall bracket per side	3 Wall bracket per side
<ul style="list-style-type: none"> <li>• Mount always the upper wall bracket so high as possible. Evenly spread the remaining wall bracket.</li> <li>• With 2 modules in-line the sequently side panels are to be screwerd together with each other and to use unique a mounting variation like shown on top.</li> </ul>		



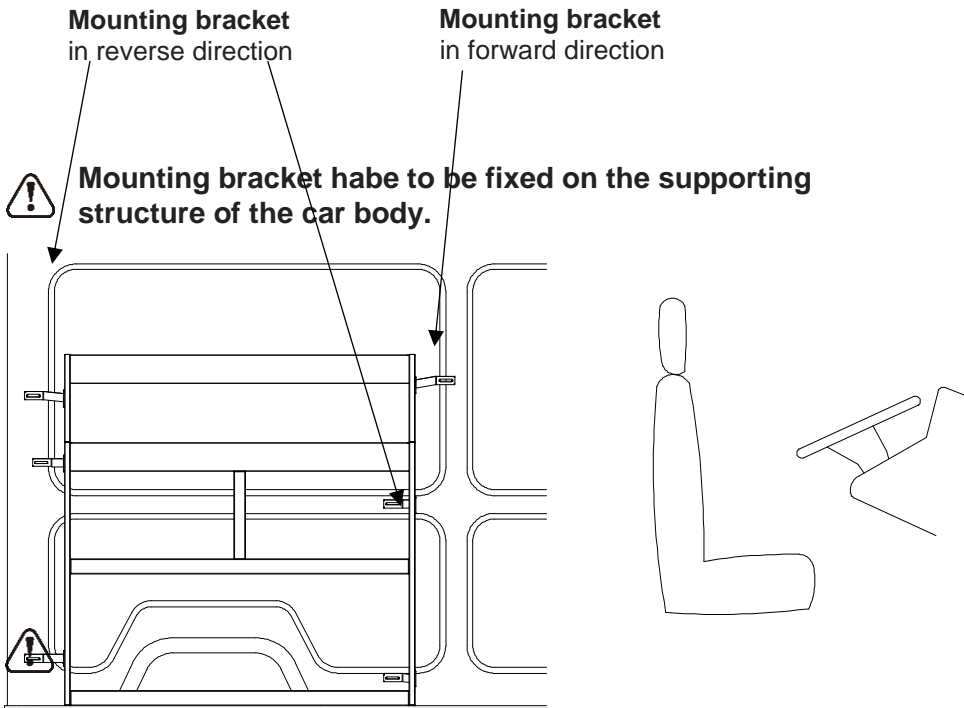
**Avoid direct contact of the modules with the side panels of the car body to avoid driving noises.**

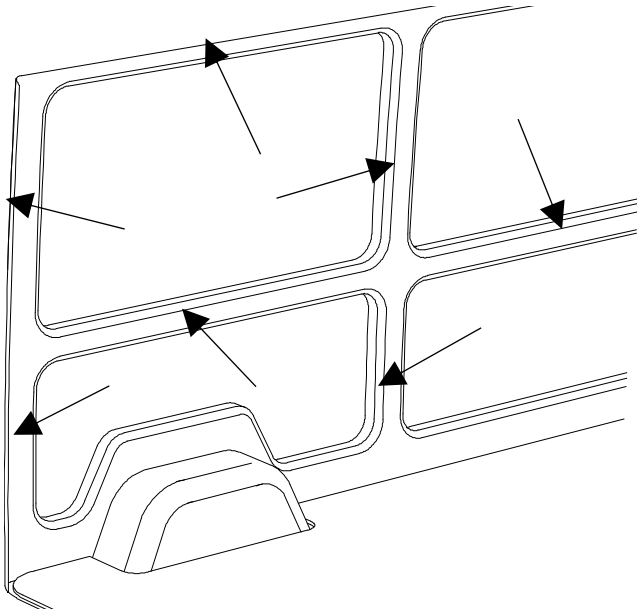


Position the modul in such way, that in case of need other accessories components, like bench vice, holder of gas bottle or tool holder can be mounted.



Normally the mounting bracket are arranged in the reverse direction to take up braking powers.  
At least on mounting bracket must be arranged in the forward direction.

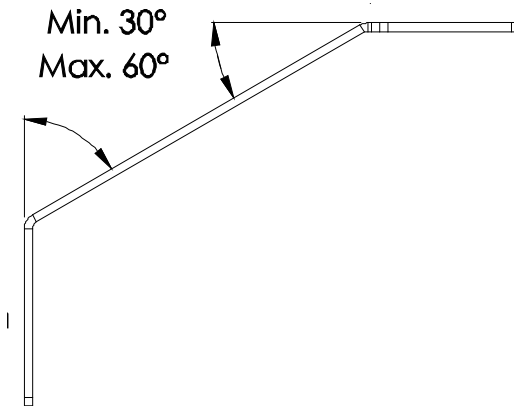






Mounting bracket have to be adapted according position of the module and the supporting structure!

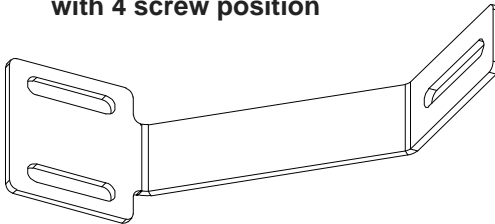
 **Use a bench vice with rounded aluminium-bracket to bend the mounting bracket.**

Avoid frequent postbending because it can lead to cracking and therefore break of the mounting bracket!



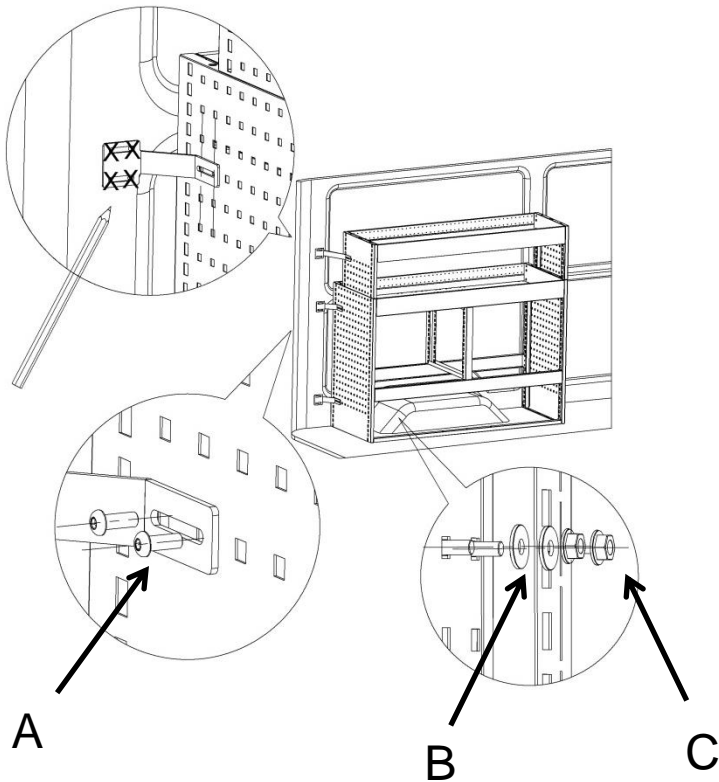
 **Fix this side of the car body with 4 screw position**

 **Fix this side on the module with 2 screw position**



Fix the bent mounting bracket sturdy on the module. Mark all required mounting points to the car body

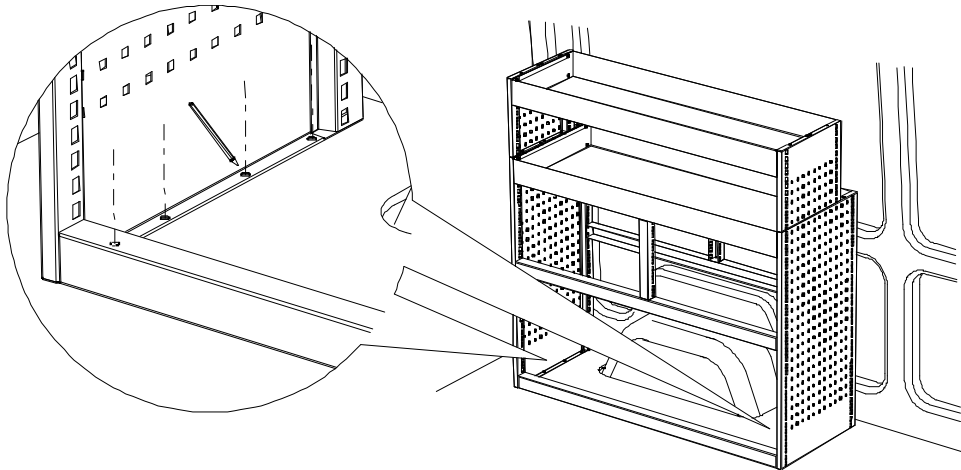
- ☞ Recommendation: Stick before an adhesive tape on the car body to mark better the drilling points!



### 3.5 Determine mounting points on floor

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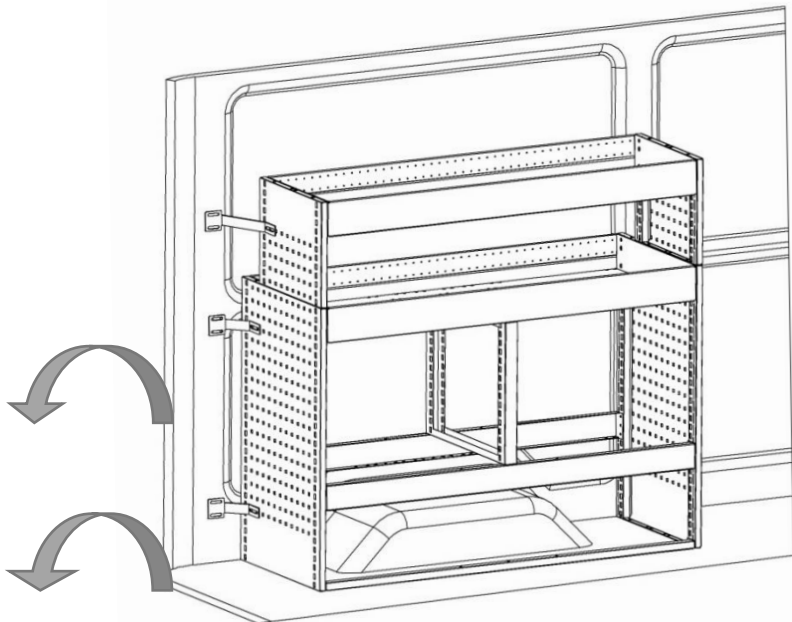
Mark all mounting points of the module side panels on the floor.  
Every side panel will be fixed with minimum 4 screws on the floor.





### 3.6 Remove module and floor from the van

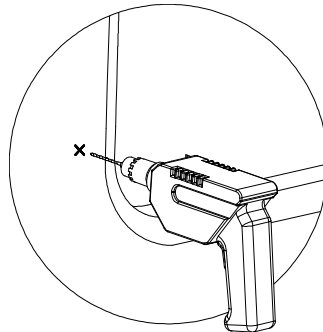
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## 3.7 Screw position on the car body

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Drill now on the car body the marked points with  $\varnothing 10$  and clean this afterwards.



**Be aware to avoid damage to cables or pipes!**



**Do not drill too deep to avoid damage to the car body!  
If necessary, use depth limitation**



**After drilling, remove all metal swarf**



**Protect the car body points according to the manufacturer's instruction from corrosion!**

## Fitting spread nut on car body


Insert the expanding nut D into the drill hole.  
Turn screw G with washer F and nut E into the spread nut D.  
Keep hold nut E with an open-end spanner and turn in screw G as long as spread nut D is tight.



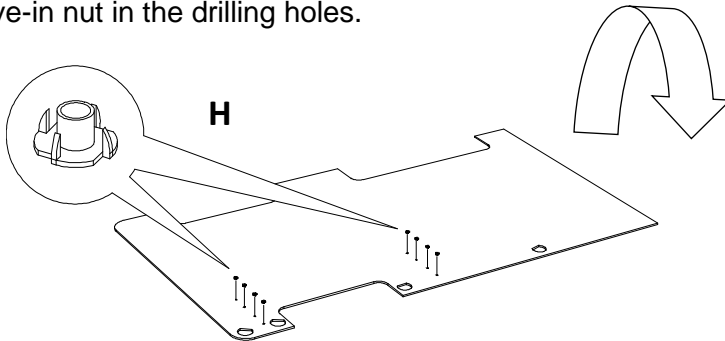
**The spread nut must be fixed directly on the car body.**

### 3.8 Screw points on floor

Drill through the marked points with  $\varnothing$  10 in the floor.

 **It is important that the holes are drilled exactly straight and in the correct position.**

Turn the floor and insert on the back side the delivered M6 thread drive-in nut in the drilling holes.

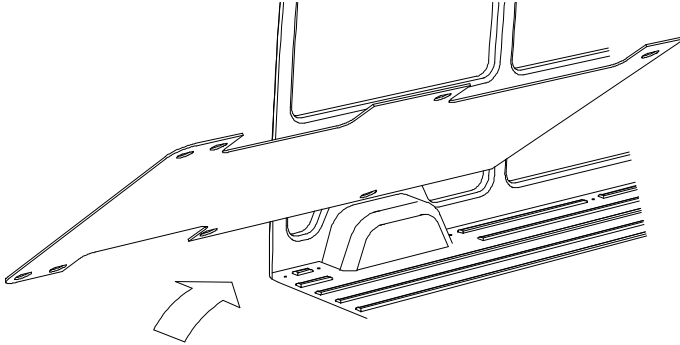


 **Only use the supplied thread drive-in nut.**

### 3.9 Final assembly floor

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Position the floor in the van again.



The mounting is carried out on available screw or lashing lug!  
See for this at chapter 4.

### 3.10 Mounting Lining Panels

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Remove any lining panels supplied by van manufacturer, so they can be reinstalled. If necessary, these must leave open at the mounting points place.



**Lining Panel must not be fixed between mounting bracket and car body.**

### 3.11 Mounting modules on floor

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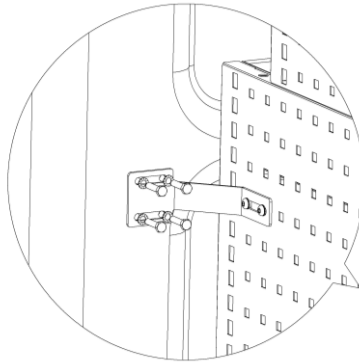
Position the modules in the van. Place the modules in the desired Position above the floor. Fix the unit with screws H handtight into the floor.

## 3.12 Mounting modules to car body

Screw the mounting bracket not fully tighten witch screws A.



**Fasten all screws and nuts using a torque wrench 7-9 Nm.**



## 3.13 Final assembly

Now you can put back drawers, suitcase and the like in the modul.

**Your FLEXMO™ - Vehicle equipment is now  
fit for service!**



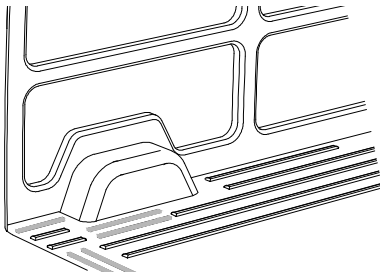
**Check regularly all screws for tightness. At least every  
5000 km or after an emergency braking!**

#### **4. FLEXMO floor**

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Please observe the supplied manufacturer's installations.

1. Lift the lashing rings on the floor and remove them.  
All other components which are screwed to the floor or rather through the floor screwed must be removed.
2. Depending on the type of vehicles the nail strips are included in the standard delivery.  
These laths prevent sagging of the floor where the van floor can not provide support.



3. Position the panel floor on the van floor.  
We recommend to cant the base plate in the van.  
Depending on vehicle type the floor is consisting of one or several pieces
4. An Adhesive kit or lash trays mounting set is optionally available.

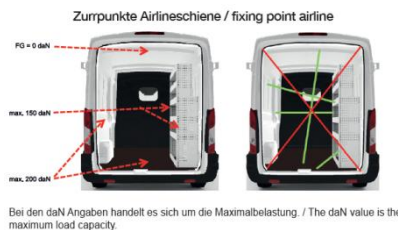
## 5. Loading information of the parts

This label is attached to your FLEXMO in-vehicle equipment.

Belastungsangaben Loading Information		FLEXMO™
Produkt Product	Artikelnummer Part number	Flächenbelastung Surface load
Fachboden / storage shelf	108/107	< L 1050 = 35 kg
Ablagewanne / shelf	104	> L 1200 = 30 kg
Langgutwanne / long shelf	180	
Boden / rack	102	
Koffer / case	130	= 20 kg
Kofferschublade/ case-drawer	111	
Koffer klein / case small	230	= 12 kg
Kofferaufnahmen / case shelf (Koffer klein / case small)	223	= 30 kg
Schubladen / drawer	112/113 114/115	< H 150 = 45 kg > H 200 = 80 kg
Unterflurschubladen / Underfloordrawer	218/217	= 140kg
Auftrag / order		
Datum / date		
Gewicht / weight		
Beachten Sie die max. zulässige Zuladung des Moduls / Fahrzeugs! Das Modul ist nach Montageanleitung aufzubauen und zu installieren. Observe the maximum load of the module / vehicle! The module must be installed according to the assembly instructions.		
FLEXMO™ Professional Service-Car-Systems <a href="http://www.flexmo.de">www.flexmo.de</a>		

08-19

Regularly check all screw points for tightness. At least every 5,000 km or after extraordinary load, e.g. after an emergency stop!





## 6. Spare parts and accessories

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Spare parts and accessories are available at your local dealer or from [www.flexmo.de](http://www.flexmo.de)

### Original FLEXMO™ accessories

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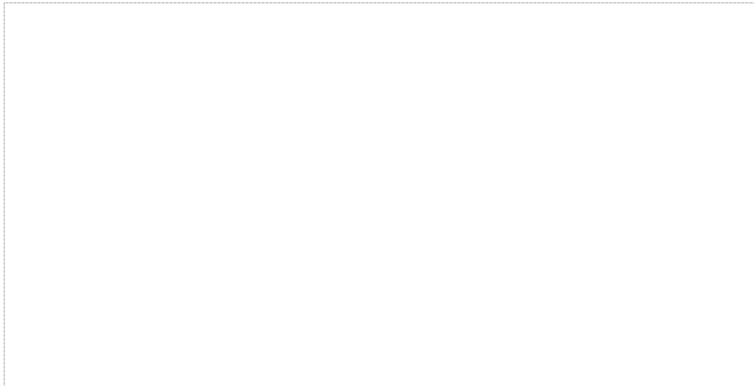
**Notes**

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