

347

Product description:

Door-combined step for mounting under the vehicle floor

Vehicle type: Opel Movano (-2022) / Renault Master / Nissan NV400

New item no:

101816
101817

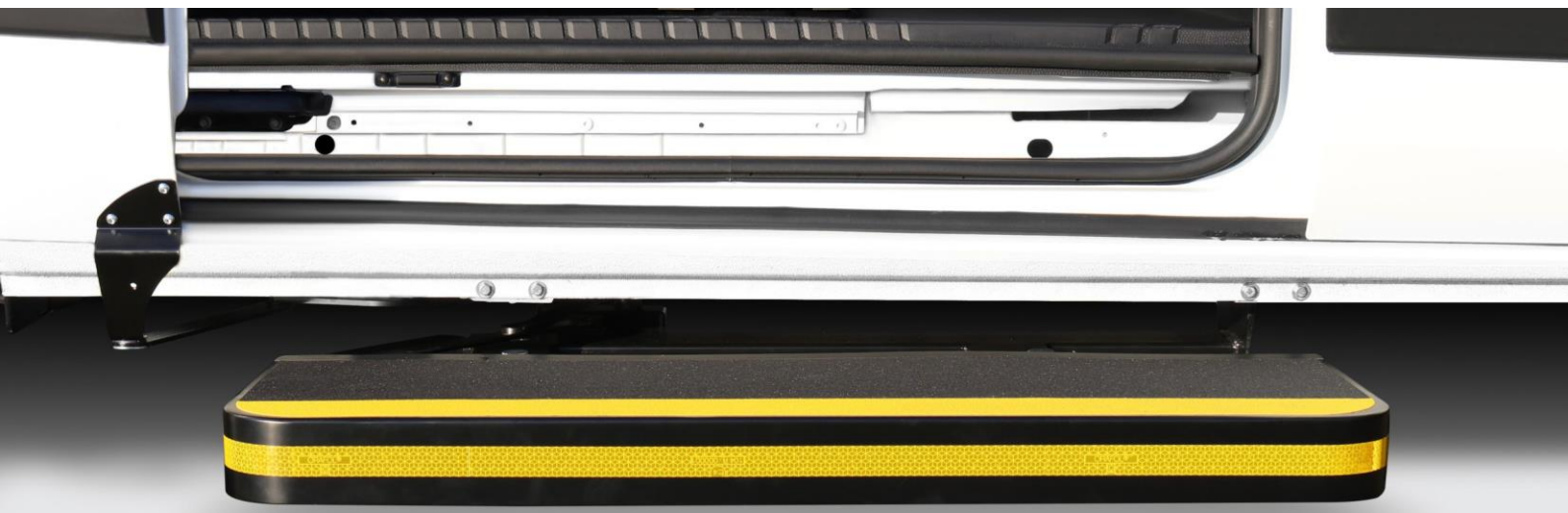
Old item no:
X3-1000M19.1
X3-1200M19.1

Type: X3

Model year: 2019-

Drive: Front, rear & all-wheel drive

Assembly instructions



Wheelbase:
L2 & L3 & L4



Assembly time:
approx. 2 h



Load capacity:
350 kg

Technical data:

Product description: door-combined step for mounting under the vehicle floor Legislation: The product

fulfils the conditions of Directive 98/37/EC ("Machinery Directive").



Steps



Protection



Ramps



Safety



Roof rack

FOREWORD

Dear Reader,

These operating instructions provide all the information required for safe operation of the combined door step. The combined door step has been designed and built in accordance with the current state of the art and the recognised technical safety regulations. Nevertheless, hazards to persons or property may occur because not all danger points can be avoided if the functionality is to be maintained. However, you can prevent accidents due to these dangers by observing these operating instructions.

These operating instructions only apply to the step specified on the cover sheet and in the footers. Please compare this information with the information on the type plate. After working through these operating instructions for the first time, keep them in a safe place for the entire service life of the door combination step. If you sell the step, pass the operating instructions on to the next owner. All information, illustrations and dimensions in these operating instructions are non-binding. No claims of any kind can be derived from them. Reprint and reproduction of any kind, including excerpts, require the written approval of the manufacturer. Conversion or modifications of the door-combined step are only permitted with the written approval of the manufacturer.

In case of unauthorised modification, any liability of the manufacturer as well as the warranty are void. Only use original spare parts and accessories approved by the manufacturer. Otherwise, the design properties of the combined door step, its functionality or safety may be impaired. The use of other parts therefore cancels the liability for the resulting consequences.

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1. SECURITY

1.1 HAZARD WARNINGS

During installation, operation and maintenance of the combined door step, there are various risks of injury and damage to property. Therefore, please read these instructions carefully before installation and operation.

Operating instructions. In addition to the safety instructions in this manual, observe the statutory regulations, in particular the safety and accident prevention regulations.

1.2 use in accordance with regulations

The door-combined step is used to make it easier for people to get in and out of a vehicle.

1.3 RESTRICTIONS

The step has been designed to be functional and reliable. The product has been designed to be as simple and reliable as possible. Consideration has been given to the possibility of the step being installed under a vehicle operating in extreme environmental conditions.

1.4 SAFETY REGULATIONS

These safety instructions must always be kept with the step. The operator's attention must be drawn to them before operating the step. Read these safety instructions carefully and observe them. The step is designed as an extra step for entering the vehicle. The weight of the passenger must not exceed the maximum load.

1. Before operating the step, the vehicle must be stationary. Make sure that the handbrake is applied or the parking brake is engaged.
2. Regularly check the step for external damage and tight fit.
3. Before operating the step, make sure that there is no person or obstacle near the step. Make sure that there is no person or obstacle outside the vehicle in the direction of movement of the step.
4. It is recommended that the step be operated only by the driver or another qualified operator.
5. The driver or operator must have an unobstructed view of the step when operating it.
6. It is recommended to step on the middle of the step.
7. The step must be kept clean and free from oil and other slippery substances.
8. If you have any doubts about a passenger's safety when stepping on the step, help them.
9. Never use the step for any purpose other than that described here.
10. If you have any questions about the safe operation of the step, please contact the responsible persons directly.
11. Never overload the step
12. Always operate the step until it is fully retracted or extended.
13. Repair and maintenance work must only be carried out by qualified and trained personnel.
14. Only use original spare parts if parts of the stage have to be replaced.
15. If the anti-slip profile of the step becomes slippery due to wear, the step must be replaced.
16. Report to the step supplier any sources of danger that you notice in relation to the step or in its operation.
17. Before each journey, check that the step is retracted.
18. When extending and retracting the step, no persons may be on it.

2. TREAD

2.1 DESCRIPTION

The step is automatically extended when the side door is opened. This is achieved by a mechanical connection between the step and the sliding door. During the journey, it is retracted under the vehicle and protects the mechanism from external influences. The step has a non-slip surface. To increase safety, it is provided with rounded outer edges.

2.2 CONSTRUCTION

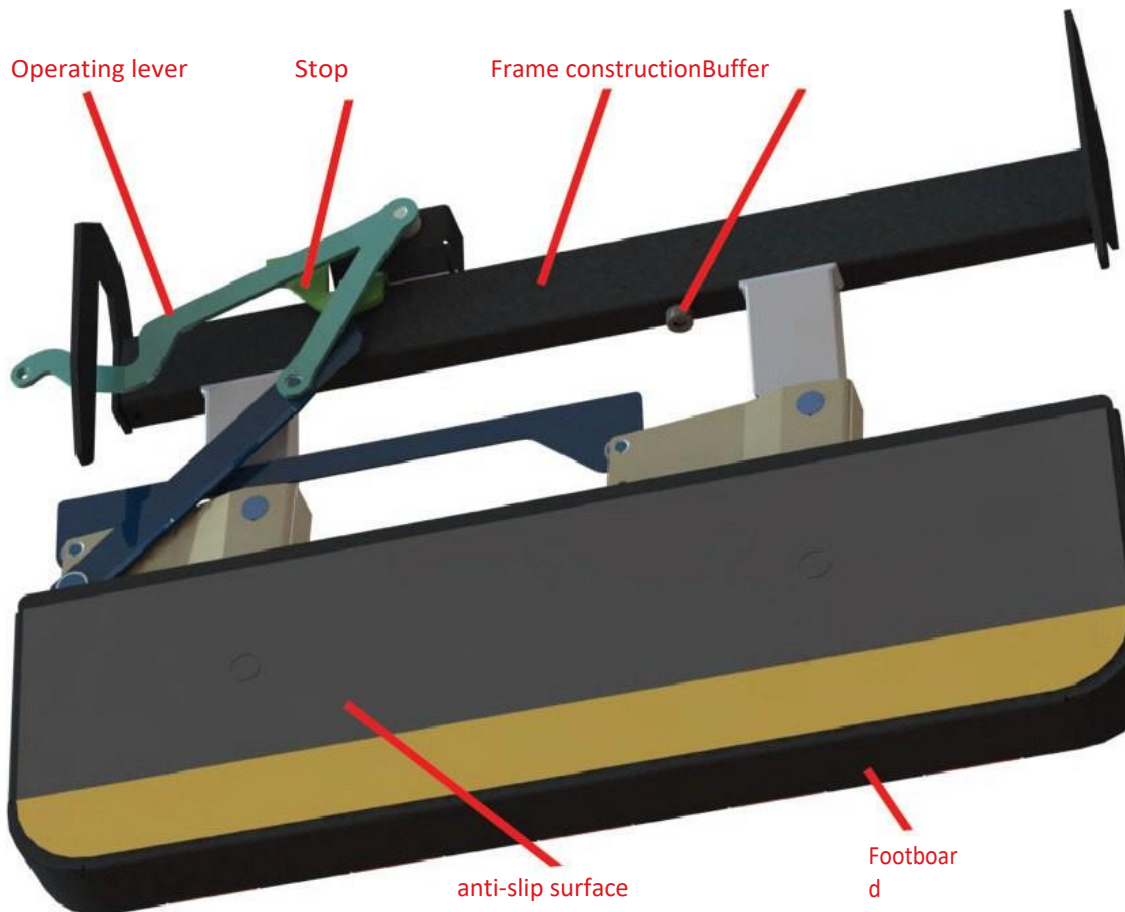


FIGURE 1: STRUCTURE OF THE TREAD

2.3. VEHICLE-SPECIFIC MOUNTING KIT

2.3.1 DESCRIPTION

For each step, you receive a vehicle-specific installation set that is optimally matched to the respective vehicle.

This set consists of one door mounting set and one assembly set.

- Mounting kit = fastening of the step to the vehicle floor
- Door mounting = connection of the operating lever of the step to the sliding door of the vehicle

2.3.2 OVERVIEW MOUNTING SET FOM8000AD.1

- Article: FOM8001AD.1
- Vehicle type: Opel Movano & Renault Master & Nissan NV400 *front/rear-wheel drive as of 2019*



FIGURE 2: DOOR MOUNTING KIT (WI-11-00120)



FIGURE 3: ASSEMBLY KIT (WI-11-00119)

2.3. VEHICLE-SPECIFIC MOUNTING KIT

2.3.3 OVERVIEW DOOR MOUNTING KIT (160-00-004AD.1)

Pos	Article	Description	Number of pieces
1	MCM 25 03	Clip bearing	2
2	ISO 7380-M6x12-10.9 vz	Oval head screw with ISK	2
3	ISO 7380-M6x16-10.9 vz	Oval head screw with ISK	1
4	DIN 985-M6 vz	Hexagon nut self s.	5
5	DIN 912-M6X6-8.8 VZ	Cheese head screw with ISK	1
6	DIN 7991-M6X20-10.9 VZ	Countersunk screw with ISK	2
7	DIN 125-A6.4-ST vz	Disc	3
8	2950 0170	Centring piece	2
9	WI-20-13084	Mounting plate	1
10	WI-16-01152	Connecting rod	1
11	NLDF6	Locking plate	1
12	DIN 912-M6X8-8.8	Cylinder plate with ISK	1

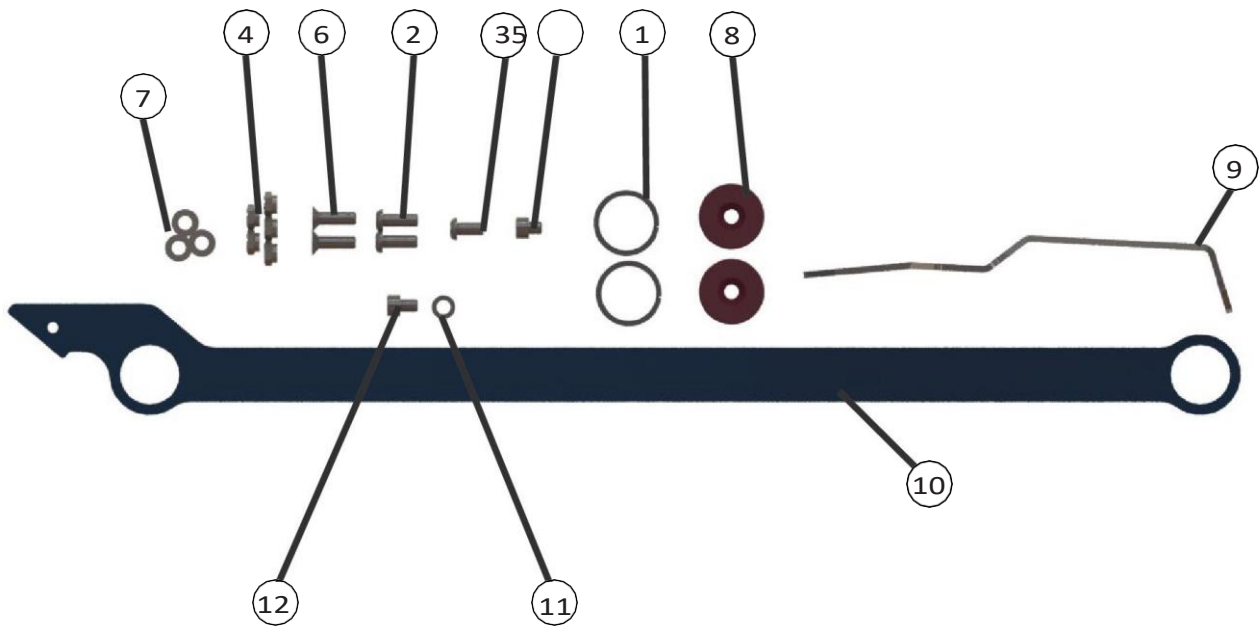
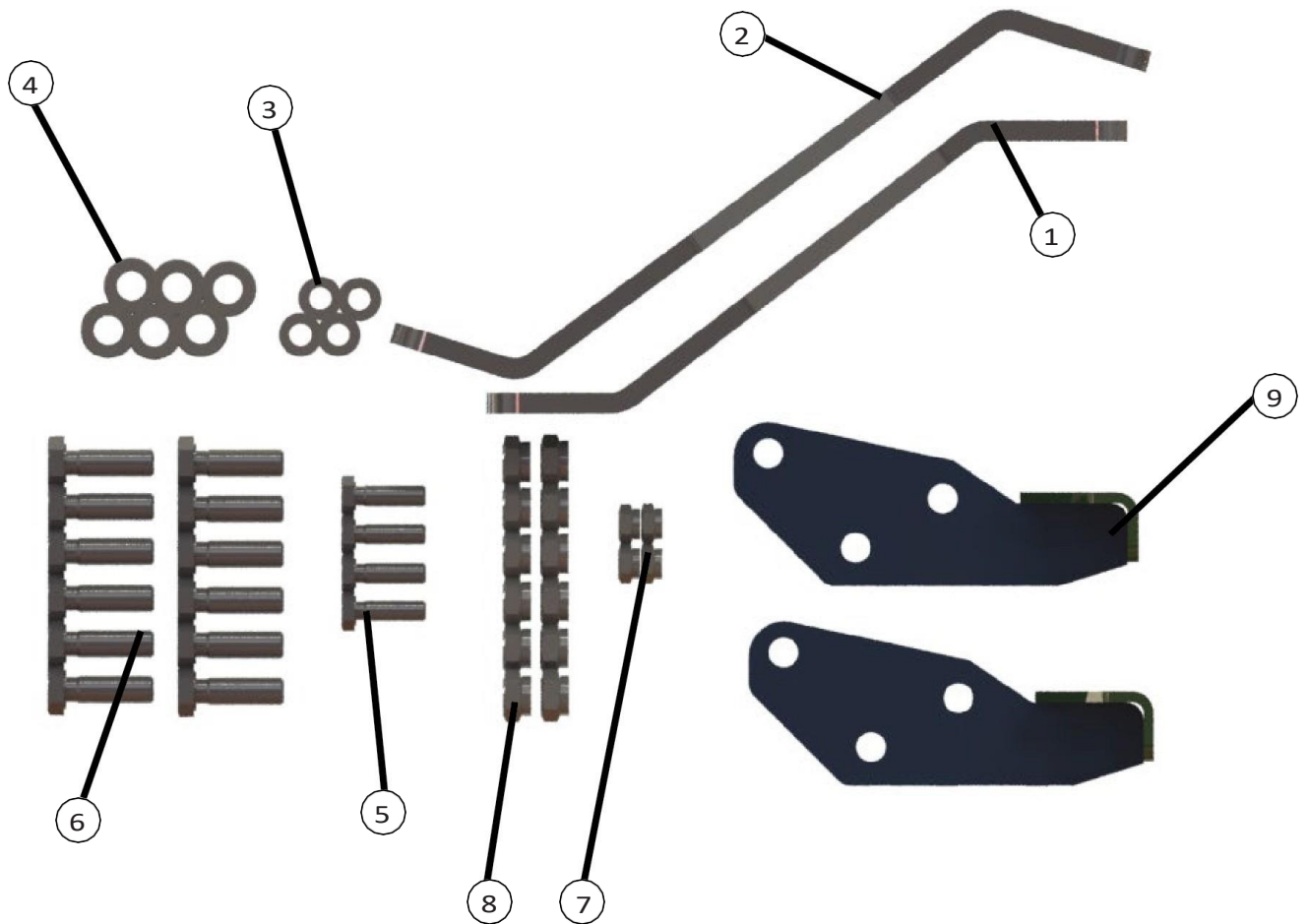


FIGURE 4: DOOR MOUNTING KIT

2.3. VEHICLE-SPECIFIC MOUNTING KIT

2.3.4 OVERVIEW ASSEMBLY KIT (160-12-402AD.1)

Pos	Article	Description	Number of pieces
1	WI-11-00118	Retaining plate	2
2	WI-11-00117	Retaining plate	2
3	DIN 125-A6.4-ST vz	Disc	4
4	DIN 125-A8.4-ST vz	Disc	6
5	DIN 933-M6x20-8.8 vz	Hexagon head screw	4
6	DIN 933-M8x25-8.8 vz	Hexagon head screw	12
7	DIN 985-M6 vz	Mother self-s.	4
8	DIN 985-M8 vz	Mother self-s.	12
9	111-58251-42	Mounting bracket	2



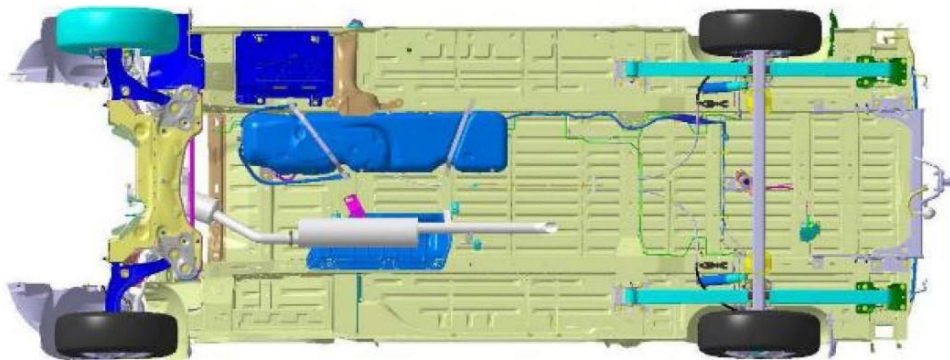
3. ASSEMBLY

3.1 Important notes before assembly

A distinction must be made between different exhaust systems for the vehicle type. For the version **Rear-wheel drive with Euro 6 and SCR**, the exhaust system must be adapted for fitting.

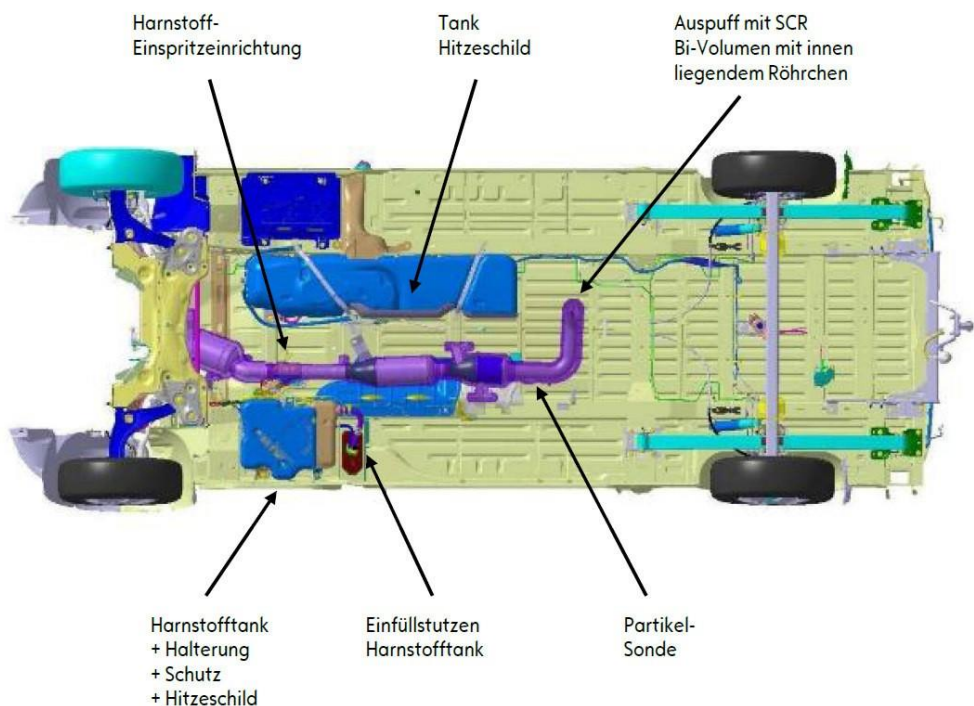
Einbaulage der Abgasanlage unter dem Fahrzeug je nach Modell

Ausführung Frontantrieb mit Euro 5 (ohne SCR)



Mounting possible without adjustments

Ausführung Frontantrieb mit Euro 6 und SCR (Harnstofftank)

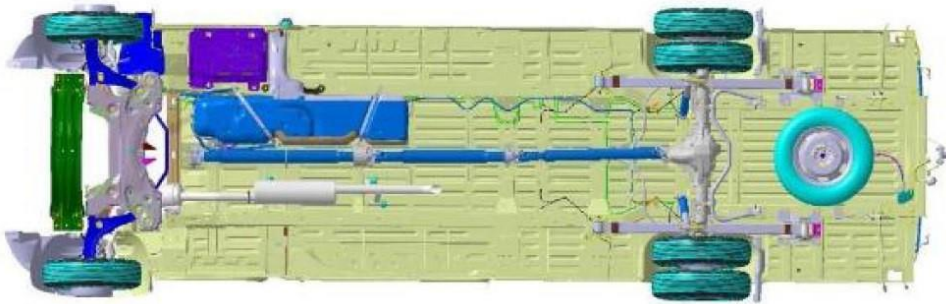


Mounting possible without adjustments

3. ASSEMBLY

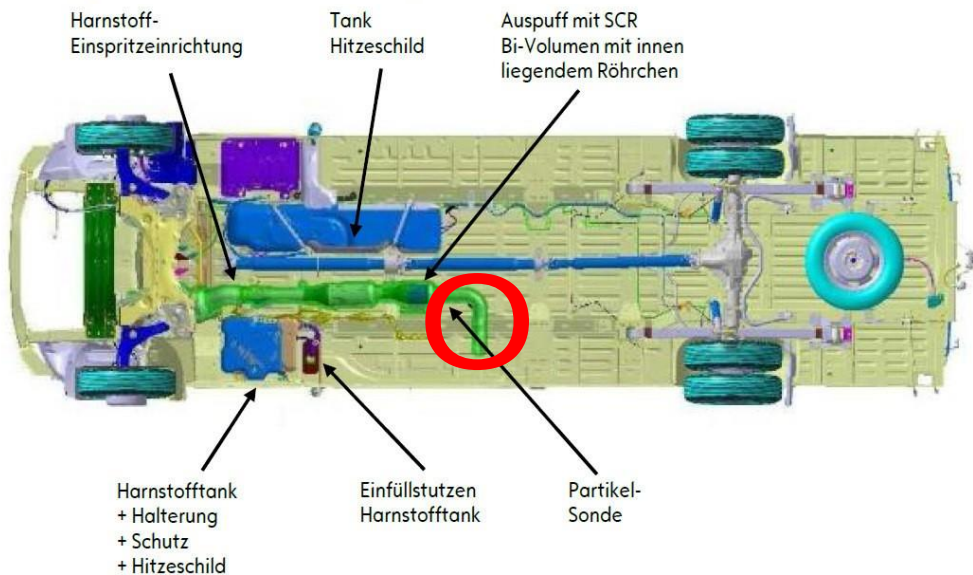
3. ASSEMBLY

Ausführung Heckantrieb mit Euro 5 (ohne SCR)



Mounting possible without adjustments

Ausführung Heckantrieb mit Euro 6 und SCR (Harnstofftank)



Mounting not possible without adjustments

With the rear-wheel drive Euro 6 version and SCR, it must be ensured that hot exhaust gases from the exhaust system do not damage the step (scorching or fire hazard). Suitable measures must be taken by the conversion engineer. For example, the exhaust can be shortened and diverted. Alphadynamik offers optional customised exhaust trims. It must be ensured at all times that no water gets into the NOX sensor of the exhaust system by shortening the exhaust pipe.



To prevent the exhaust gases from hitting the step, the end piece is shortened as shown in the photo. The new exhaust tailpipe, art. no.: 100646, is opened completely, put on, twisted a little to the side and screwed on. It is not subject to registration.



3. ASSEMBLY

3.2 MOUNTING ON BODY

Mounting the combined door step to the vehicle body using the supplied mounting kit

1. pre-assembly tread

The step is pre-assembled according to the diagram using assembly kit WI-11-00119 (see chapter 2.3.4).

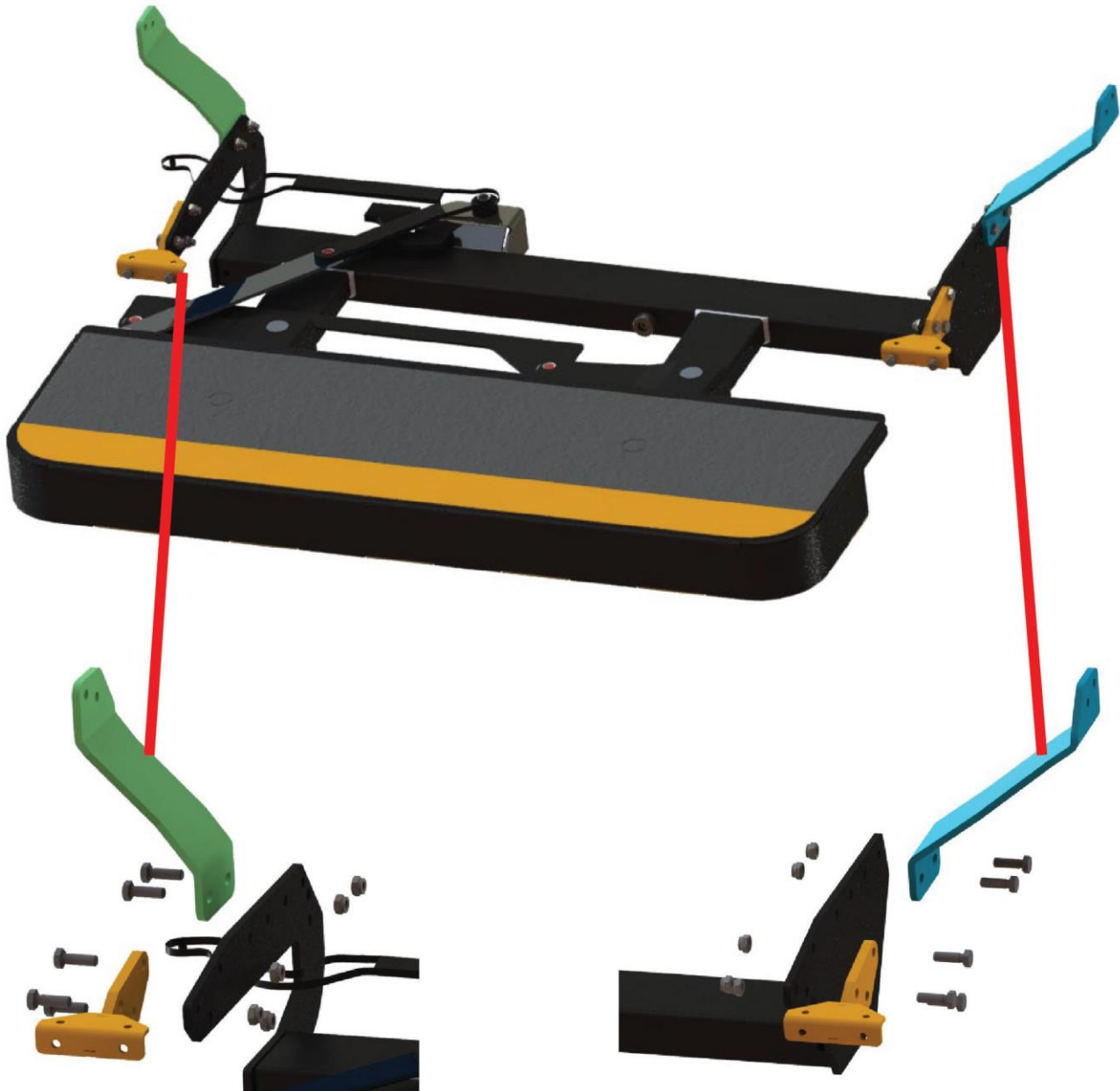


FIGURE 5: MOUNTING KIT ON X3 STAGE "EXPLOSION".

3. ASSEMBLY

The step can then be mounted on the body. For this purpose, the step must be secured against unintentional tipping / falling!

3.2 Mounting on front-wheel drive body

Overview body

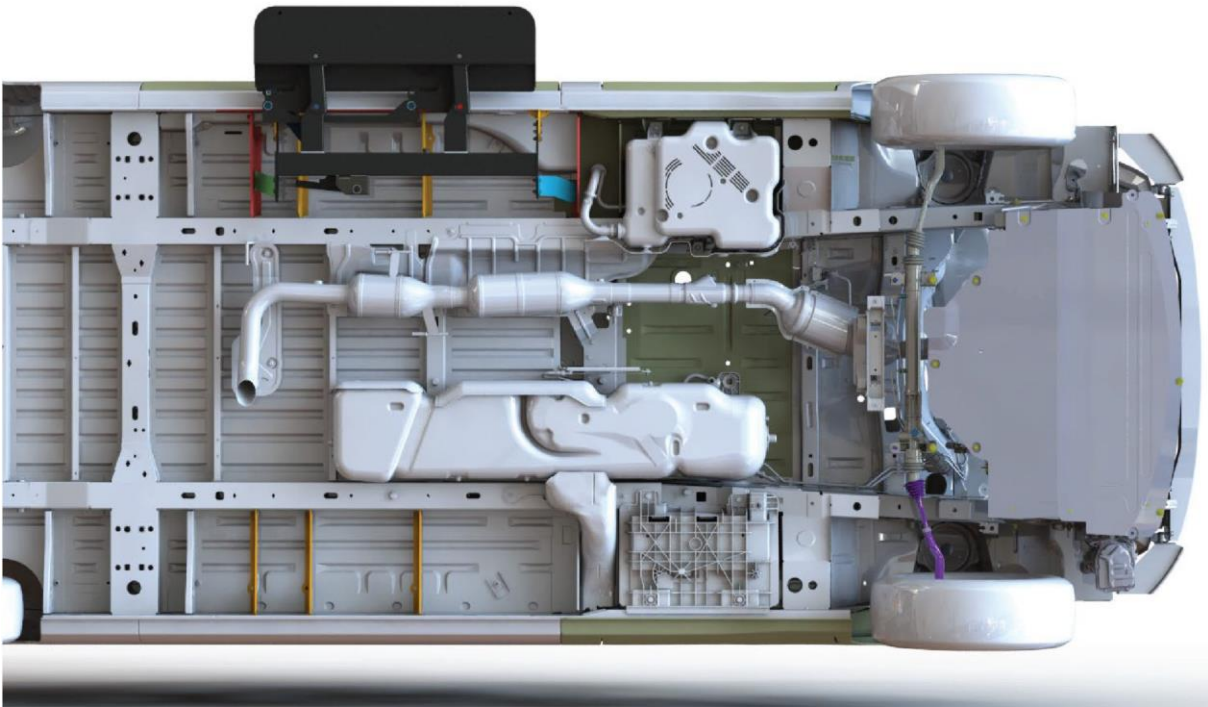


FIGURE 6: OVERVIEW OF THE BODY

Align the step under the vehicle and secure it against accidental tipping or falling! The step must be aligned parallel to the vehicle.

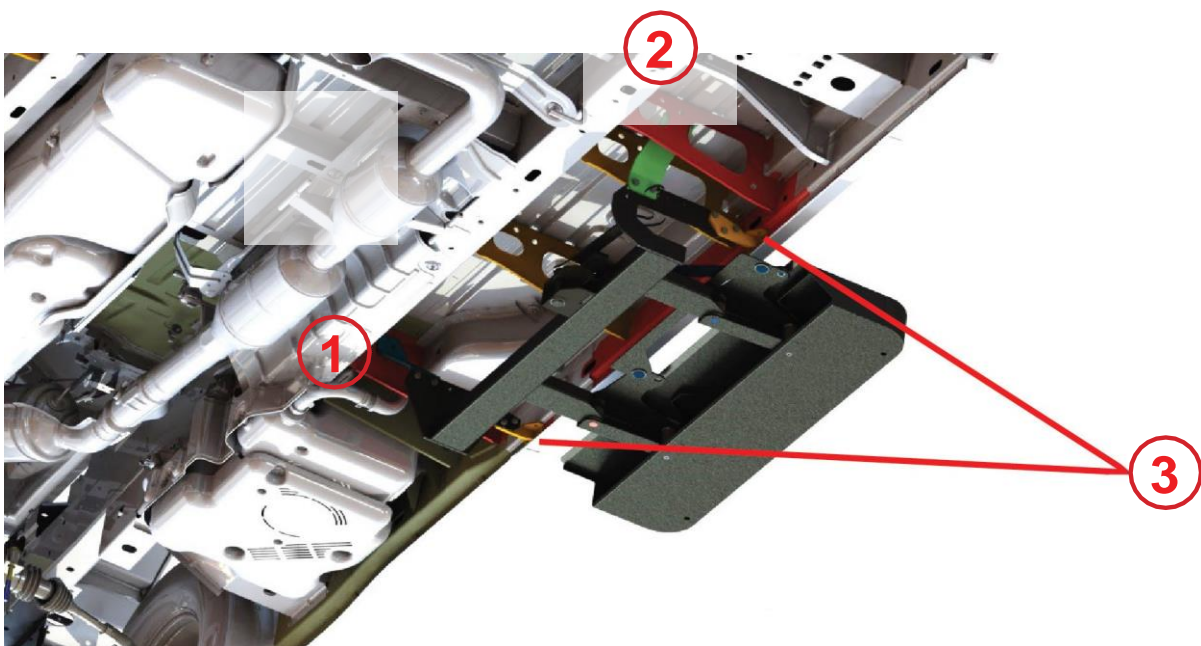
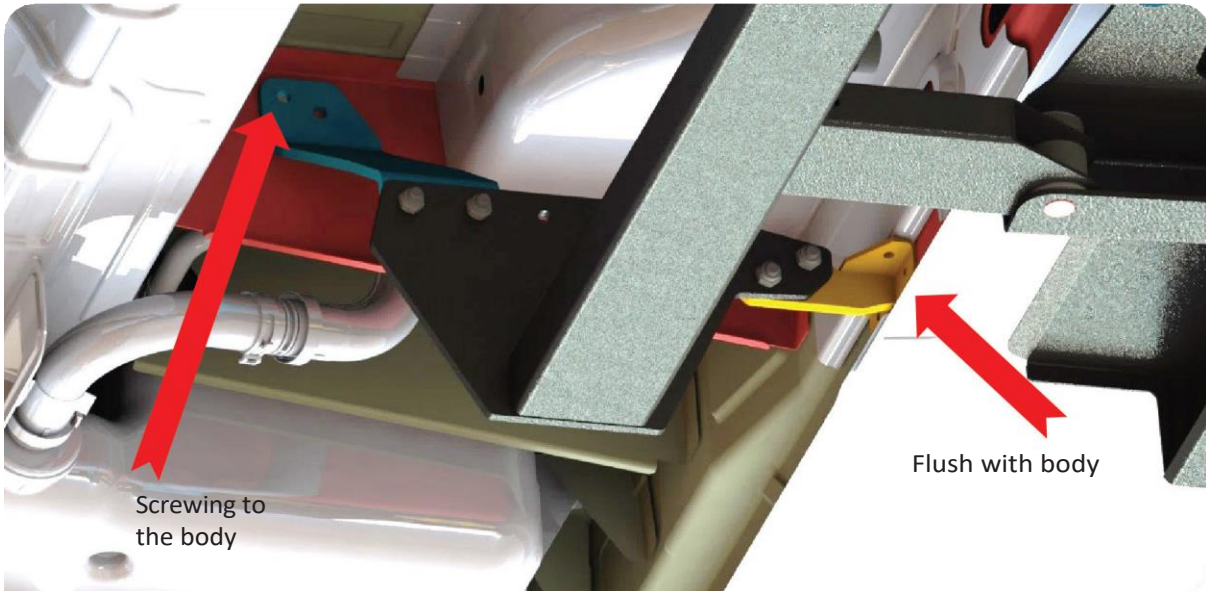


FIGURE 7: X3 STAGE ALIGNMENT

3. ASSEMBLY

1 Details of position 1 (rear left holder)

The front brackets should be aligned flush with the sill. The rear bracket should be aligned flush with the vehicle carrier and the existing holes should be on top of each other.

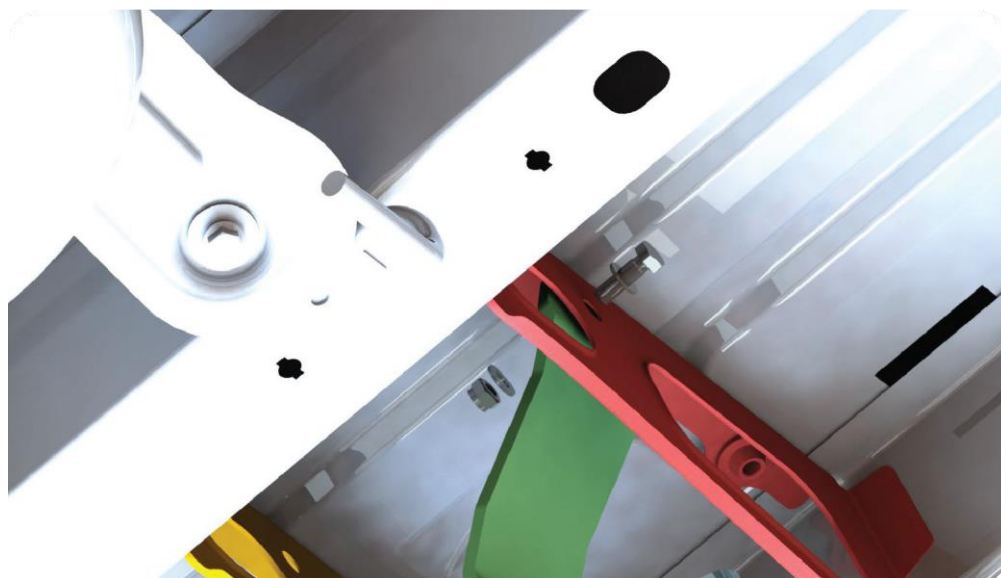
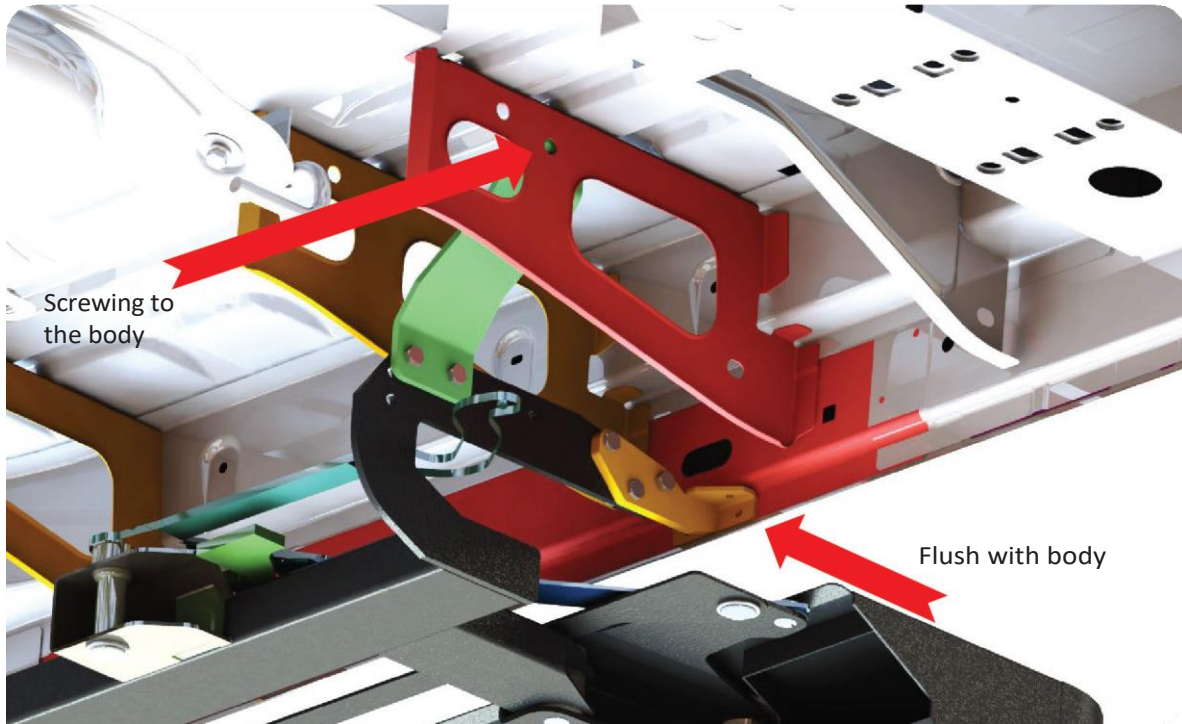


1x M8x25 bolt
2x 8.4 washer
1x nut M8

3. ASSEMBLY

② Details position 2 (holder rear right)

The front brackets should be aligned flush with the sill. The rear bracket should be aligned flush with the vehicle carrier and the existing holes should be on top of each other.

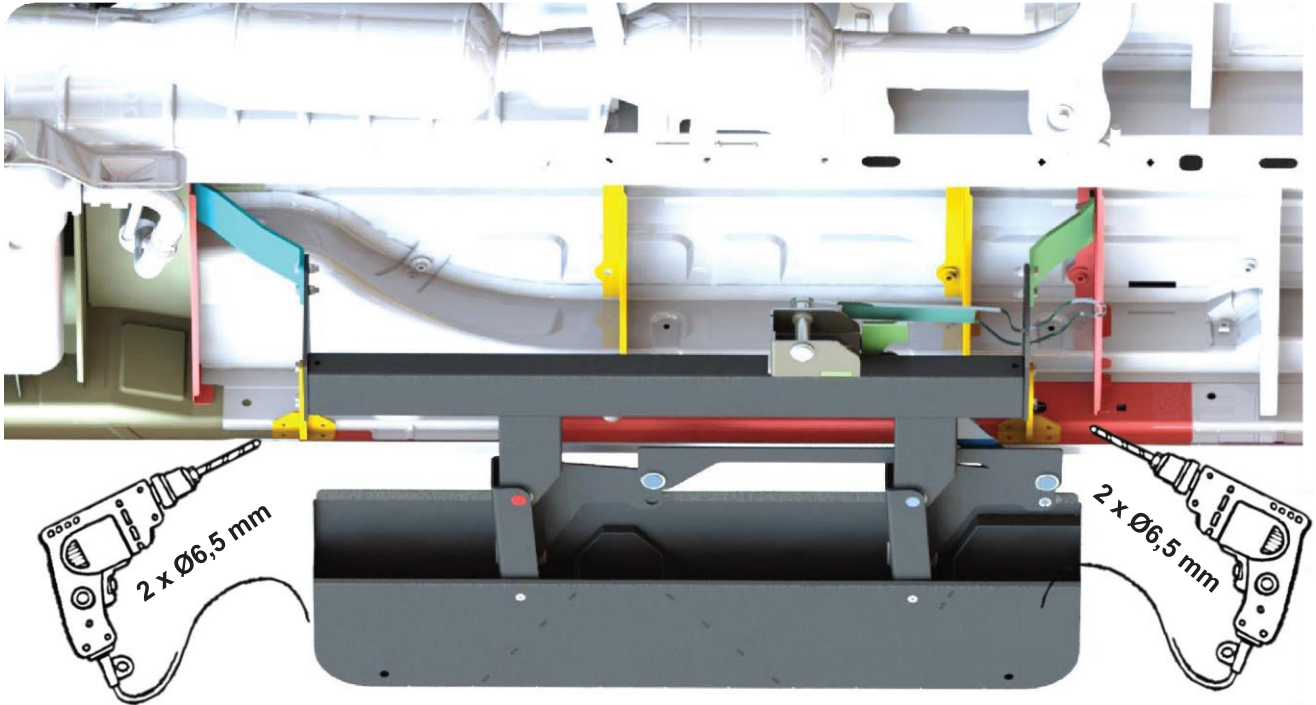


1x M8x25 bolt
2x 8.4 washer
1x nut M8

3. ASSEMBLY

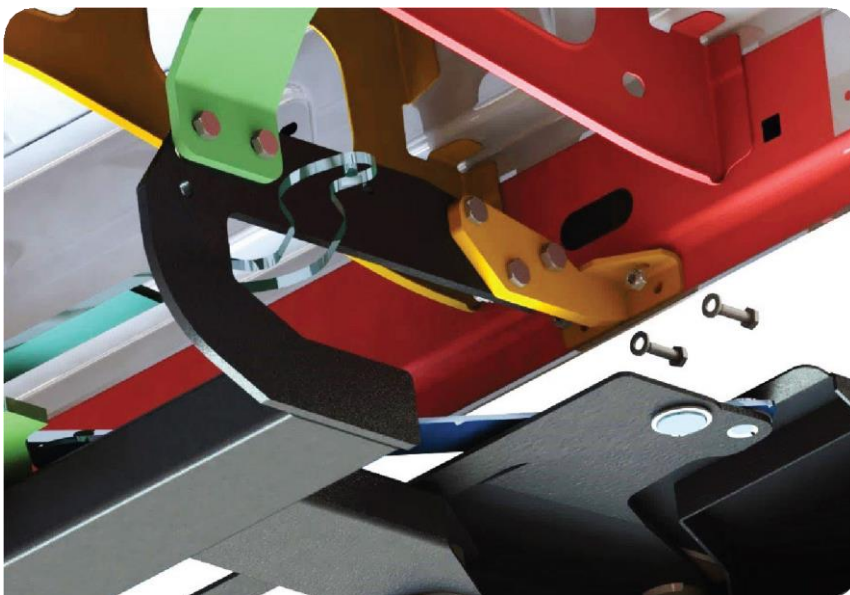
3 Details position 3 (front bracket)

To attach the front mounting brackets, mark the position of the holes on the sill and drill through with a $\text{\O}6.5\text{ mm}$ drill. Drill $2 \times \text{\O}6.5\text{ mm}$ holes on each mounting bracket.



Please note to reseal drilled holes with suitable means!

Then screw the mounting brackets to the sill.



4x screw M6x25

4x washer 8.4

4x nut M8

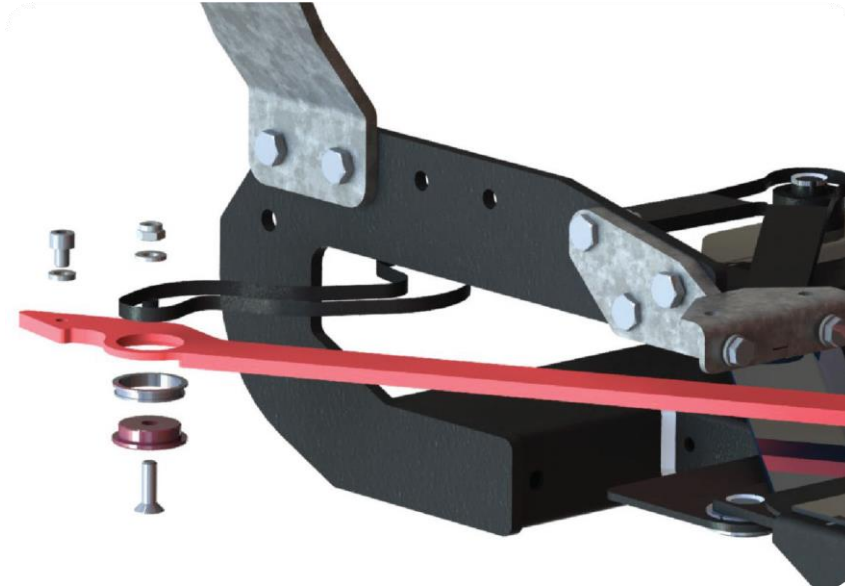
3.2

3. ASSEMBLY

3.3 MOUNTING ON SLIDING DOOR

Mount the door-combined step on the sliding door of the vehicle using the door mounting kit supplied (see chapter 2.3.3. "Overview of door mounting kit").

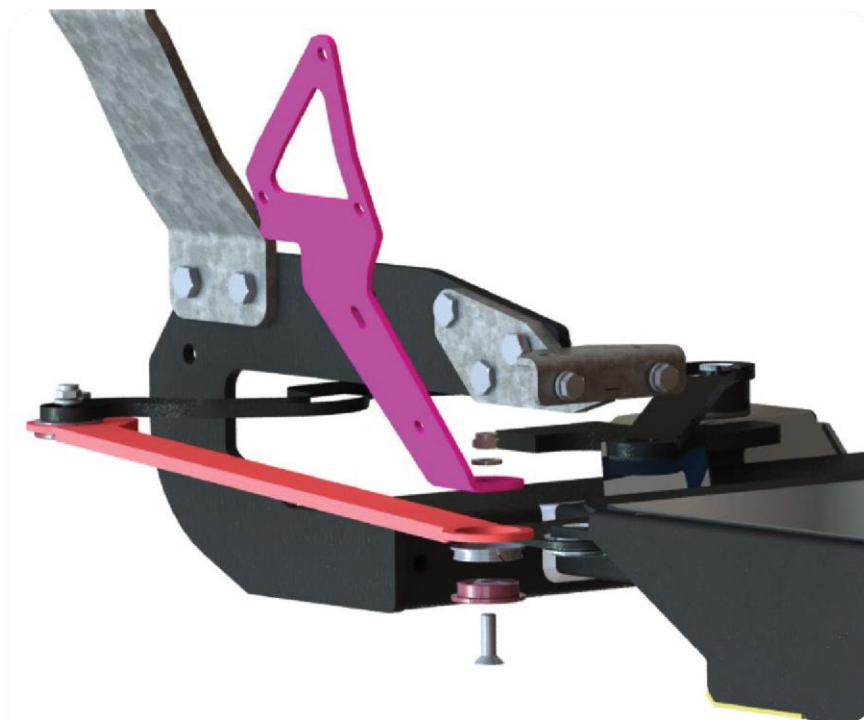
1. Assembly of connecting rod to actuating lever



- 1x locking plate M8
- 1x ISK screw M6x6

- 1x ISK countersunk screw M6x20
- 1x washer 6.4
- 1x nut M6
- 1x clip-on plain bearing 1x
- centring piece

2. Mounting the door connection plate on the connecting rod.



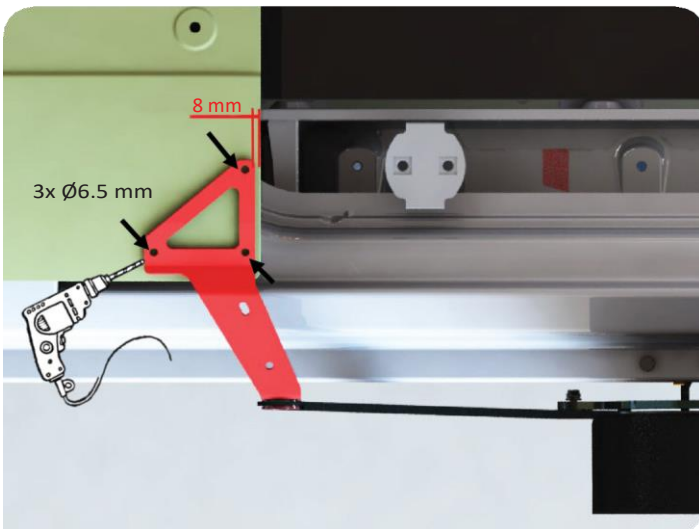
- 1x ISK countersunk screw M6x20
- 1x washer 6.4
- 1x nut M6
- 1x clip-on plain bearing
- 1x centring piece

Please ensure that the lever is mounted parallel to the vehicle. Edge pressure on the bearing should be avoided!

3. Mounting the door connection plate on the sliding door

Align the door connection plate with the door and mark the drill holes on the sliding door. Make sure that the connecting arm is parallel and does not collide with other parts.

3. ASSEMBLY

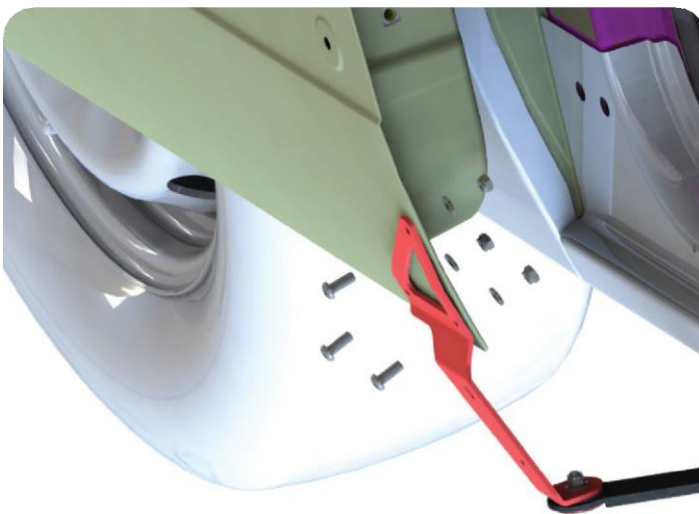


Distance door edge->sheet edge is approx. 8 mm.

Then drill 3 x Ø6.5 mm at the marked points.

Please note to reseal drilled holes with suitable means!

In the last step the door connection plate is screwed to the sliding door /see 2.3.3.



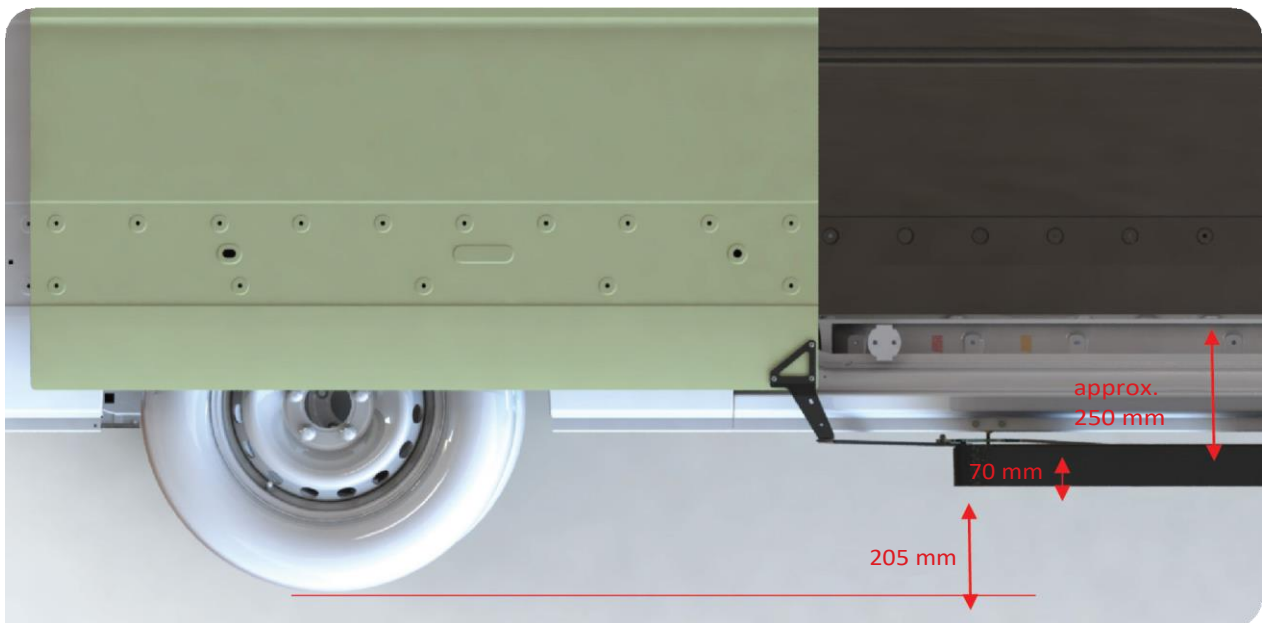
- 2x pan-head screw M6x16
- 1x pan-head screw M6x12
- 3x washer 6.4
- 3x nut M6

The installation should then be checked and the function tested.

3. ASSEMBLY



3.4 DIMENSIONS



4. USE OF THE TREAD

The tread should be tested after installation. Follow the instructions below to do this:

1. Visual inspection

Check that all screws are in the intended places and tightened.

2. Function

Extend and retract the step several times. Check whether there are any unusual noises or irregular movements.

3. If you have any concerns, please contact our customer service. Contact details can be found in the last chapter.

5. CARE

If the step functions poorly or no longer due to dirt or frost, all hinges must be cleaned or defrosted. The moving parts are in maintenance-free plain bearings. Do NOT grease components.

The step must be cleaned as part of the vehicle's normal cleaning cycle. This depends on the use of the vehicle and the degree of soiling due to operation.

Normal, mild cleaning agents should be used, just as for cleaning the other parts of the vehicle. The use of high-pressure cleaners is not recommended. Do not use aggressive solvents. These could damage the paint and glue used in the manufacture of the step.

6. DISPOSAL

Only have the disposal of the door-combined step carried out by qualified specialists after the period of use. The manufacturer accepts no liability for damage caused by improper disposal.

7. CUSTOMER SERVICE

The customer service of Alphadynamik GmbH & Co KG is at your disposal for ordering spare parts, for maintenance and repair work and for problems and questions.

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