

MASTER

additional vehicle user manual



Welcome aboard your vehicle

This additional user manual provides information on **tipper, platform and dropside (aluminium) versions**.

The information provided in this document **cancels** and/or **replaces** and/or **complements** the information provided in the basic user manual.

To help you, you will find the following symbols:

→ anywhere in the manual indicates a transfer to a page.



anywhere in the manual indicates a hazard, danger or a safety recommendation.

The description of the models given in this manual is based on the technical specifications at the time of writing. **The manual covers all items of equipment (both standard and optional) available for these models, but whether or not these are fitted to the vehicle depends on the version, the options selected and the country where the vehicle is sold.** **This document may also contain information about items of equipment to be introduced later in the model year.** **The diagrams in the user manual are provided as examples.**

Enjoy driving your new vehicle.

Translated from French. Copying or translation, in part or in full, is forbidden unless prior written permission has been obtained from the car manufacturer.

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INTRODUCTION

This additional user manual contains information, instructions and everything required to understand and operate the tipper and platform versions produced by JPM.

These instructions are not a complete description of the parts of the vehicle, nor a detailed explanation of its functioning. This manual contains all the information required for comprehending the safe use and correct maintenance of the flatbed and platform. Their correct functioning and operational life depend on following the instructions in this manual and carrying out careful and prudent maintenance.

This manual is an essential part of the tipper or platform equipment and must always be kept in the vehicle, including when relocated or resold.

The manual must be kept in a good condition in the vehicle and must be available to all personnel who use the flatbed or platform during the life of the vehicle.

If this manual is lost or damaged, contact an approved dealer.

Only the manufacturer's technicians or JPM partner technicians have the necessary knowledge of the tipper and platform, the equipment and

the experience to carry out any work required.

The tipping body and the platform are designed for professional use, the user must possess a valid driving licence for the vehicle and the required qualifications, he must also be able to read and understand the instructions in this manual.

The user must use the vehicle and its accessories in compliance with the highway code, the standards for accident prevention, and the conditions for use and the characteristics of the flatbed or platform. The planned use concerns only the transport of goods and materials and bulk goods (sand, earth, stones...).



We do not advise you to carry out any repairs, intervention or modification not shown in this manual.



This detailed manual contains the instructions for the use and maintenance that are the basis for the safe operation of the tilting body. It is absolutely forbidden to use the flatbed without having read and understood the instructions for use. Observe the danger warnings in this manual. They indicate a potentially dangerous situation.



Your equipment can be dangerous if not used in the conditions intended by the manufacturer. Use collective and/or personal protective equipment adapted to the situation (traffic cones, gloves, goggles, hearing protection, etc.)

INTRODUCTION

1



Do not climb onto the flatbed using the cycle guards, which are situated on both sides of the platform. **Risk of falling or serious injury.**

DESCRIPTION

Flatbed and platform versions

It consists of a chassis (also called sub-chassis or false chassis), attached to the chassis of the vehicle, on which the flatbed and the platform are assembled with the side boards open, thus permitting material to be unloaded to the right, to the left and/or to the rear.

Flatbed version only

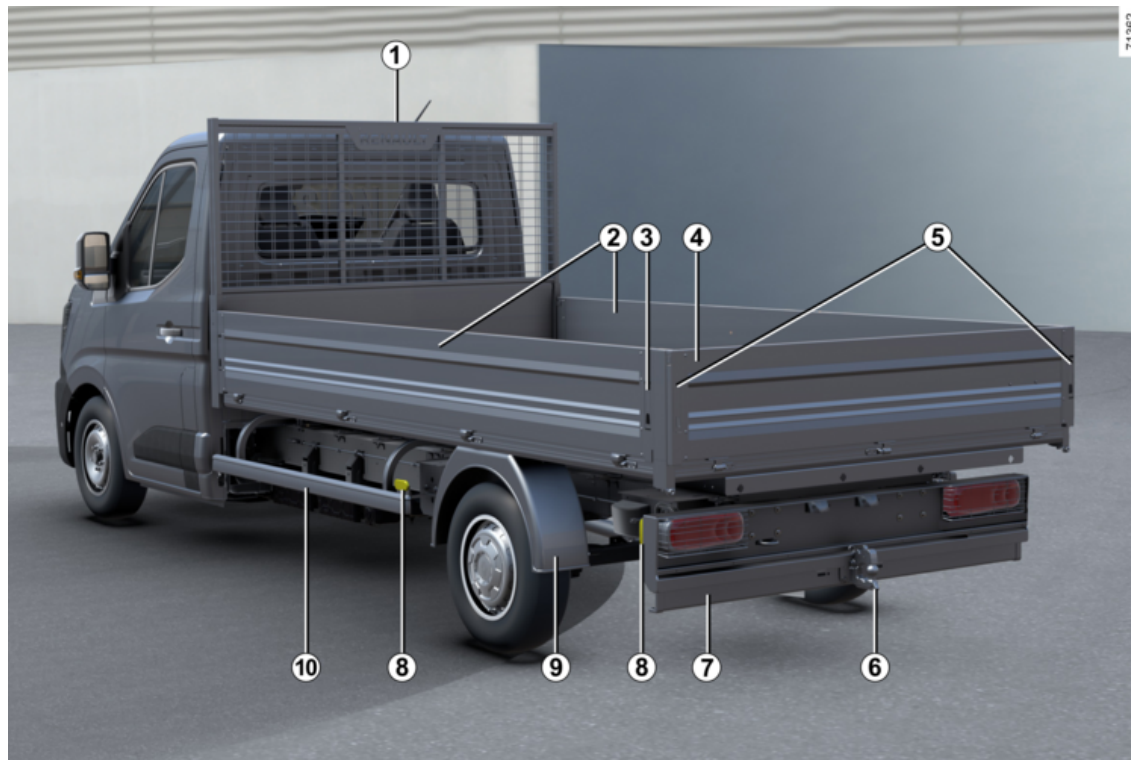
The tipper version bears the "CE" mark and is considered to be a "machine" according to EC Directive 2006/42/EC (article 1, letter a, point 3) and according to the tipper description in the "CE" Declaration of Conformity.

The identification plate located on the left-hand side of the sub-chassis 7 confirms the vehicle "CE" marking.

The lifting mechanism consisting of a hydraulic cylinder controlled by a single operator is located in the interior of the chassis.

DESCRIPTION

1 Platform version



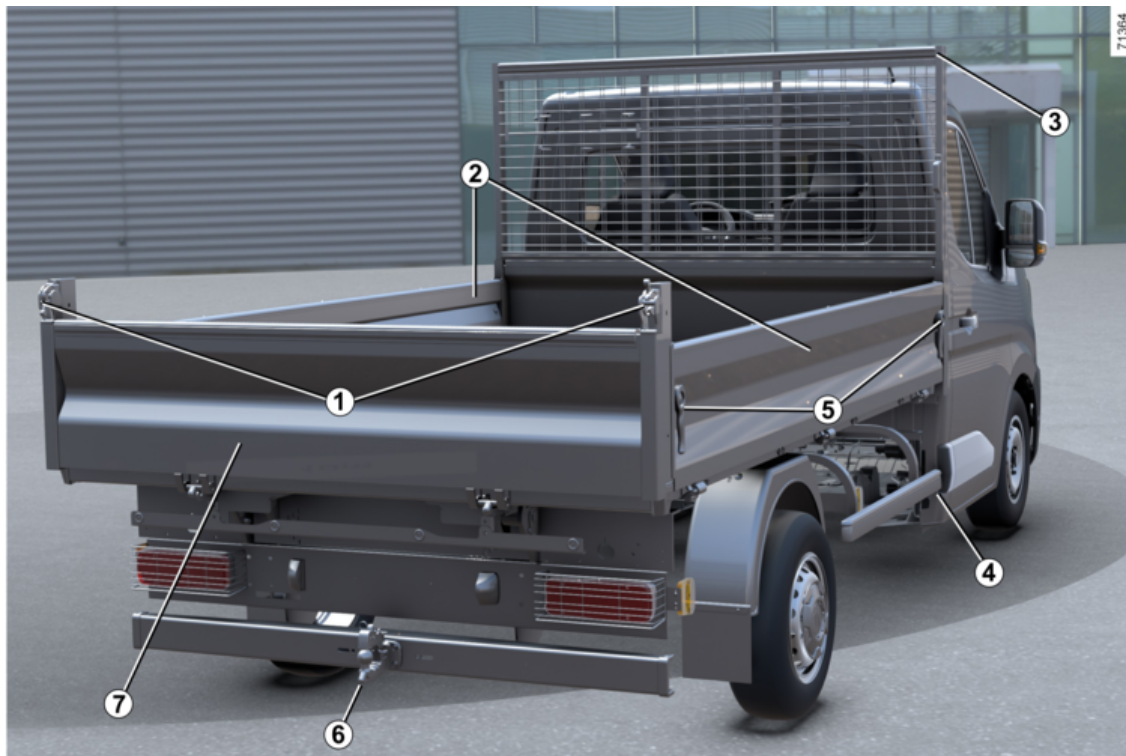
DESCRIPTION

According to version:

- 1.** Ladder holder
- 2.** Side dropsides.
- 3.** Side dropside lever.
- 4.** Rear dropside.
- 5.** Rear dropside levers.
- 6.** Towing ball.
- 7.** Towing bar.
- 8.** Side lights.
- 9.** Retaining wing.
- 10.** Side guards assembly.

DESCRIPTION

1 Single-direction flatbed version



DESCRIPTION

1. Rear dropside unlocking levers.
2. Side dropside handles.
3. Ladder holder
4. Side guards assembly.
5. Side dropside handles.
6. Towing ball.
7. Rear dropside.

DESCRIPTION

1 Tri-directional tipper version



DESCRIPTION

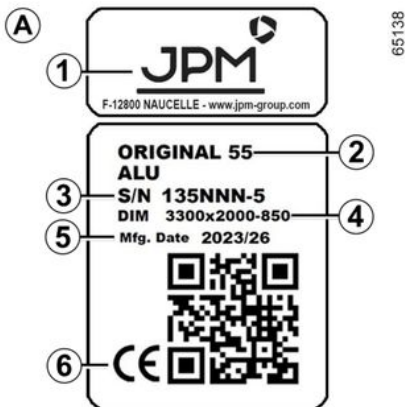
Depending on the vehicle:

- 1.** Rear dropside unlocking levers.
- 2.** Ladder holder
- 3.** Side dropside.
- 4.** Side dropside handles.
- 5.** Locking sphere bearings.
- 6.** Side guards assembly.
- 7.** Retaining wing.
- 8.** Rear dropside handles.
- 9.** Locking clamps.
- 10.** Towing ball.
- 11.** Rear dropside.

IDENTIFICATION

1

Tipper and platform identification plate



The tipper has an identification plate (as shown in example **A**) showing the following information:

1. Manufacturer name
2. Bodywork model
3. Serial number
4. Bodywork dimensions
5. Manufacturing batch
6. "CE" mark

The information shown on the plate must be quoted when requesting a replacement part and/or for action by the after-sales service.

The platform version is supplied as standard with:

- the additional user manual containing information on its operation and maintenance.

The tipper is supplied as standard with:

- the additional user manual containing information on its operation and maintenance;
- the "CE" Declaration of Conformity.

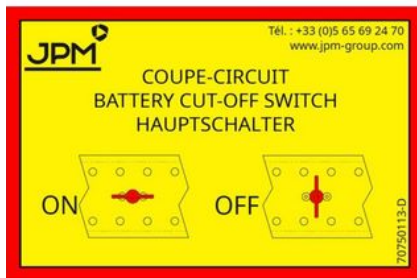
ADDITIONAL EQUIPMENT, DEPENDING ON THE VEHICLE:

- protection for rear lights;
- toolbox;
- clearance lights and side lights;
- toolbox;
- rear towbar and anti-blocking;
- foot panel;
- compartment on back of cab.

IDENTIFICATION

1

9



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9 This label indicates that the circuit breaker must be opened after you have finished using the tipper and before driving.

10



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10 This label indicates that when the equipment is in the tipping position, you must never stand between the chassis and the tipper without correctly positioning safety strut, with the tipper unloaded → **26**.

11



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11 Identification plate

12



65087

12 This label indicates that the load distribution in the luggage compart-

IDENTIFICATION

ment (supplied as an option) must be uniform and must not exceed 35 kg per shelf.



IMPORTANT

Do not operate the tipping body without first having read and understood the user manual.



DANGER

Only operate the tipping body on a flat stable surface. Move animals and persons away from the working area. Non-appropriate use of the tipping body is forbidden.



DANGER

When the tipping body is raised it is absolutely forbidden to lean under the flatbed.



IMPORTANT

During maintenance work, always ensure that the safety bar is in place.



The tipping body has warning labels drawing attention to operating risks that could involve a danger for the safety and health of personnel. The labels must be visible in all circumstances in the locations initially provided.

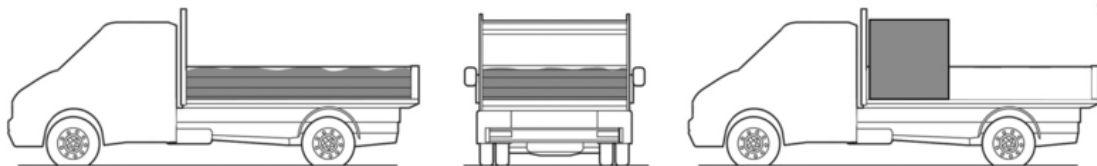
SAFE OPERATION

1

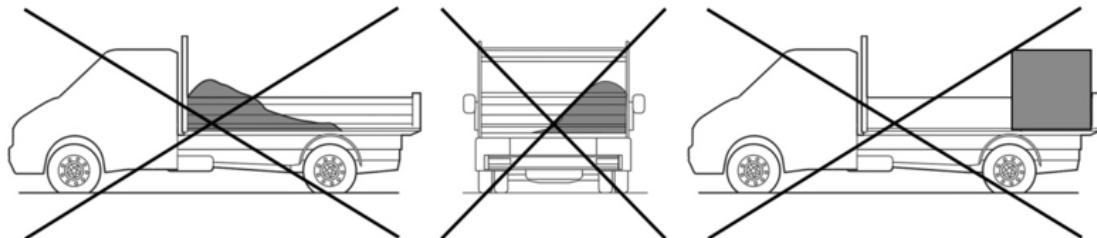


If the vehicle is parked on the hard shoulder with the rear dropside open, the rear lights may be obscured. You should make other road users aware of your vehicle by using a warning triangle or other equipment specified by the road traffic regulations in the relevant country.

A



B



SAFE OPERATION

Loading instructions

A. Correct arrangement of the load.

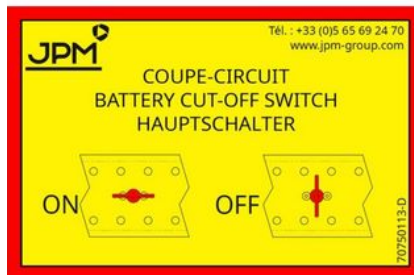
B. Incorrect arrangement of the load.

- Observe standards for the prevention of accidents at work.
- The material must be loaded onto the flatbed or platform at a minimum height.
- Load heavy or hard objects carefully onto the floor of the flatbed or the platform without dropping them from a height.
- Ensure that the load is correctly distributed on the flatbed or the platform and cannot, in any circumstances, endanger traffic due to the load falling off.
- Overloading the vehicle is strictly forbidden.
- Once loading is finished, ensure the side dropsides and tailboard are correctly locked.
- Carefully observe warnings relating to the use of the flatbed.
- Do not exceed the permitted load shown on the registration document.
- Check for correct locking of the dropsides during loading.

Flatbed version



2



During loading and before driving, check that the battery isolation

lever **1** is in the "OFF" position as shown on label **2**.

Platform version

The maximum load on a surface of 80 x 80 mm is 230 kg.

The maximum load on a surface of 50 x 50 mm is 80 kg.



It is forbidden to drive with the rear dropside open. Observe local regulations.

Electric versions



SAFE OPERATION

1

Do not attach any lashing system (e.g. strap, rope, tensioner, etc.) to the side beams **2**.

Unloading instructions

Be careful when opening the side boards. The load on the flatbed could press against the side board in a dangerous fashion.

Do not carry out tipper or platform unloading operations while the dropsides are locked on the unloading side.



The dropside is heavy. When opening do not let it fall heavily, but hold it whilst lowering.

Special features of the flatbed version

Avoid any movement of the tipping body in strong winds.

If the flatbed raises irregularly, stop the operation, lower the flatbed immediately and call an Authorised Dealer.

Be careful when unloading materials (mud etc.) that could stick to the floor of the flatbed. In this case, it is necessary to take all necessary pre-

cautions for unloading in order to avoid any dangerous situation.

It is absolutely forbidden to remove or alter the safety devices, stay, etc.

Check the correct operation of raising and lowering without leaving the control area, so that you can intervene immediately if required.



Before raising the tipper, ensure there is sufficient clearance to avoid contact with external elements (e.g. power lines, ceilings, beams, etc.).



If the rear side board is open the rear lights may be obscured. You should make other road users aware of your vehicle by using a warning triangle or other equipment specified by the road traffic regulations of the country you are driving in.

LOWERING, RAISING THE FLATBED



To avoid all risk of injury, ensure that nobody is in the proximity of the moving parts.

When lowering/raising the flatbed, ensure that nothing interferes with the moving parts.

Before raising or lowering the tipper, insert the rods into their housings.

1

Fitting the locking rods for the tri-tipper



Never lock the tipping flatbed on two diagonally opposite points.

Use only original pins.

Risk of damage to the flatbed and chassis.



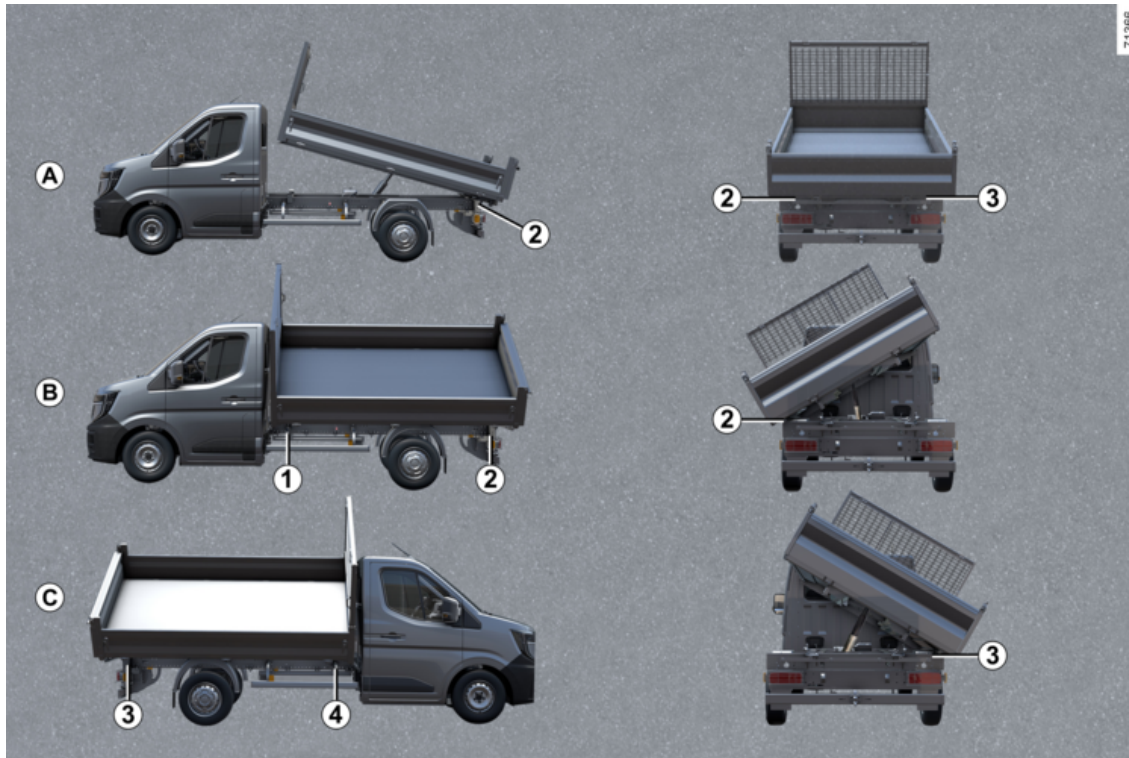
To avoid all risk of injury, ensure that nobody is in the proximity of the moving parts.

When lowering/raising the flatbed, ensure that nothing interferes with the moving parts.

LOWERING, RAISING THE FLATBED

1

Diagram of tri-directional tipper locking rods



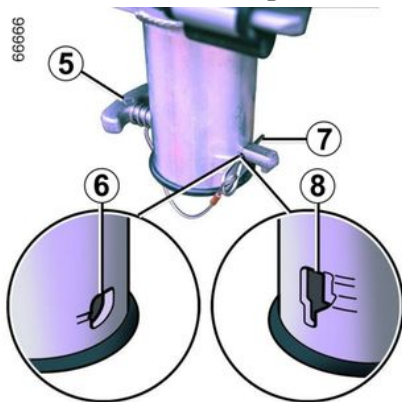
LOWERING, RAISING THE FLATBED

Fitting

Tri-directional tipper tilting direction

To change the tri-directional tipper tilting direction, fit the spheres:

- **2** and **3** to tilt to the rear **A**;
- **1** and **2** to tilt to the left **B**;
- **3** and **4** to tilt to the right **C**.



Fit the locking rod for spheres 1 and 3

To fit a rod on the corresponding yoke:

- position the rod **5** opposite the inlet hole on the corresponding yoke **6**,

with the foolproofing device facing downwards;

- insert the rod all the way in;
- fit the pin **7**;
- release the rod and check that it is held securely by the pin **7**.

Fit the locking rod for spheres 2 and 4

To fit a rod on the corresponding yoke:

- position the rod **5** opposite the inlet hole on the corresponding yoke **8**, with the foolproofing device facing downwards;
- insert the rod all the way in;
- fit the pin **7**;
- release the rod and check that it is held securely by the pin **7**.

Tilting the flatbed



Precautions to take during flatbed raising or lowering operations

When raising or lowering the flatbed, the gear lever must be in neutral and the handbrake applied. Raise the flatbed only on flat, stable and horizontal ground. Do not stand beneath the raised and non-supported flatbed.




When the tipper lowering manoeuvre is complete, return the battery isolation lever **10**

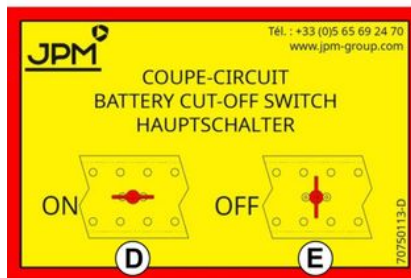
to position **E** (OFF). Do not use the control unit in the flatbed movement area. To avoid all risk of injury, ensure that nobody is in the proximity of the moving parts.

LOWERING, RAISING THE FLATBED

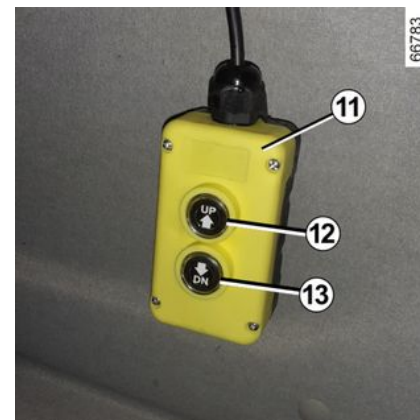
1

 An audible warning sounds continuously while the tri-directional tipper is being raised or lowered.

 **Do not drive with the flatbed raised.**



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With the vehicle stationary, engine running, apply the handbrake.
Move the battery isolation lever **10** to position **D** (ON).
Remove the remote control **11** from its housing.

To lift the flatbed

Press button **12**.

To lower the flatbed

Press button **13**.

LOADING, UNLOADING



Do not climb onto the flatbed using the cycle guards, which are situated on both sides of the platform. **Risk of falling or serious injury.**



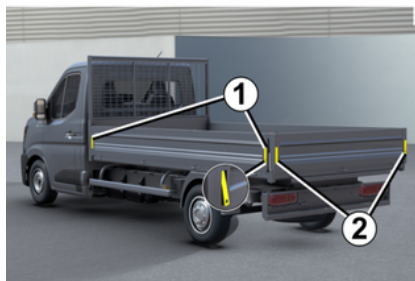
Always position the heaviest items directly on the floor. Use the anchorage points on the floor, if these are fitted to the vehicle. Loading must be done in such a way that no objects are hurled around while the vehicle is being driven.



The dropside is heavy. When opening do not let it fall heavily, but hold it whilst lowering.

Loading

Loading the platform



To tilt the dropsides, raise lever **1** or **2** located on each side of the dropside.

Loading the tipper

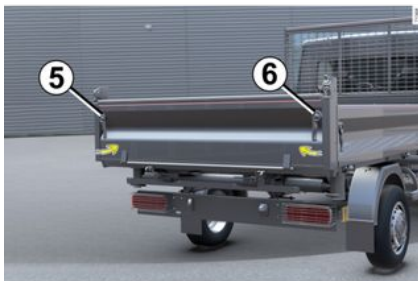


To tilt the side dropsides, pull levers **3** and **4** and position them horizontally.

Close the levers of the dropsides to avoid contact with the bumper or side guards when fully opening downward.

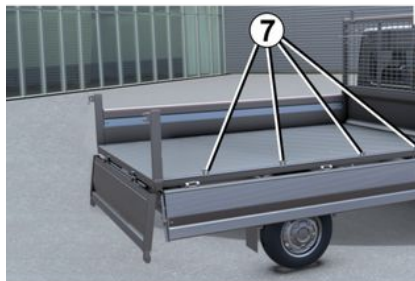
LOADING, UNLOADING

1



To tilt the rear dropside of the tri-tipper version, position levers **5** and **6** horizontally.

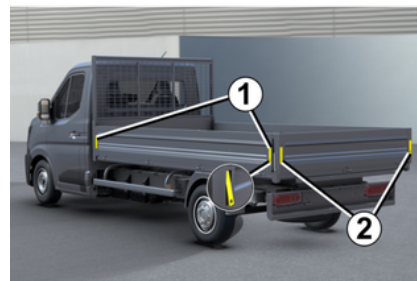
Lashing rings 7



Depending on the vehicle, the lashing rings **7** can be used to retain transported objects.

Unloading

Unloading the platform



To tilt the dropsides, raise lever **1** or **2** located on each side of the dropside.

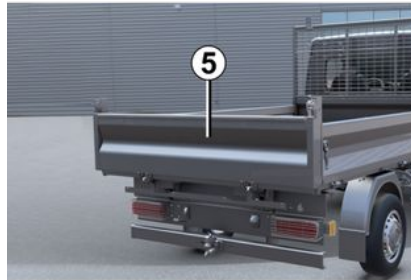
LOADING, UNLOADING

Unloading the tipper to the side



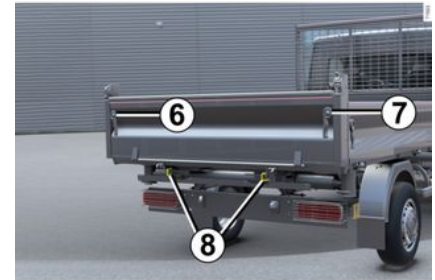
To tilt the side dropsides, position levers **3** and **4** horizontally. Close the levers of the dropsides to avoid contact with the bumper or side guards when fully opening downward.

Unloading to the rear on the single-direction tipper version



The rear dropside **5** is opened automatically when unloading by tilting to the rear.

Unloading to the rear on the tri-directional tipper version



To tilt the rear dropside of the tri-tipper version, position levers **6** and **7** horizontally.

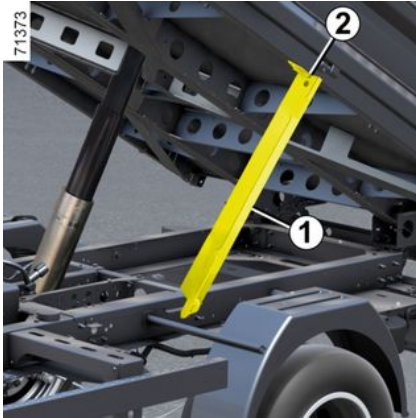
To unload by tilting to the rear:

- disengage the locking clamps **8**;
- ensure that the locking rods are positioned correctly before tilting the tipper → **19**;
- check that levers **6** and **7** are locked.

Opening of the tailboard takes place automatically.

STAY

1



It is essential that you prop up the tipper before carrying out any operations underneath. It should be **raised towards the rear and empty**. Do not remain beneath the flatbed if it is raised and unsupported. The safety stay should be positioned without leaning underneath the flatbed. To do this, raise the stay **1** to the full extent of its support **2**. Gently lower the flatbed until it makes full contact with the strut.

TRANSPORTING OBJECTS



Permissible nose weight, maximum permissible towing weight while braked and unbraked → 36. Choice and fitting of towing equipment

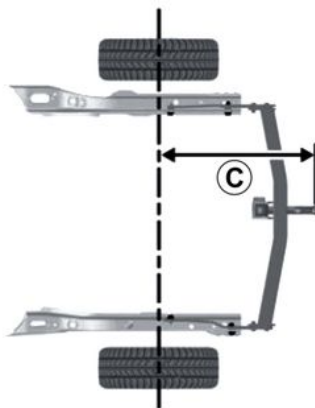
Towbar (cross member and hitch) not originally fitted to the vehicle: the entire towbar and mountings must not exceed

30 kg.

Any towing device must not obstruct any lighting component or the number plate when not in use.

In all cases, you must comply with the regulations of the particular country you are in. Mechanical towing devices (ball, hook, etc.) which can be removed without tools or which are retractable must be removed or repositioned when they are not in use. For fitting and conditions of use, refer to the equipment fitting instructions.

Please keep these instructions with the rest of the vehicle documentation.



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Dimension C (maximum)

Short chassis **C = 1,277 mm.**

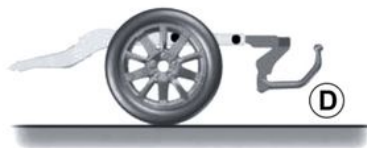
Long chassis **C = 1,873 mm.**

TRANSPORTING OBJECTS

1

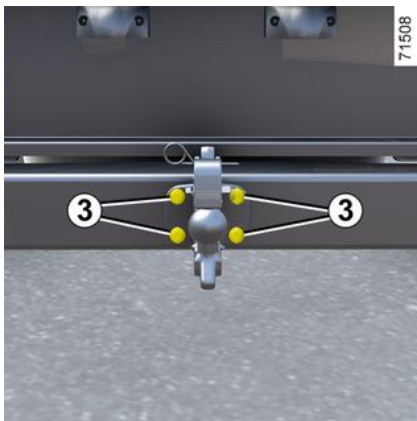
Towing

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Position the ball within the range of height **D** which must be **between 350 et 420 mm**, with the vehicle laden. Tighten the bolts **3** to **110 N.m. (Newton metres)**.

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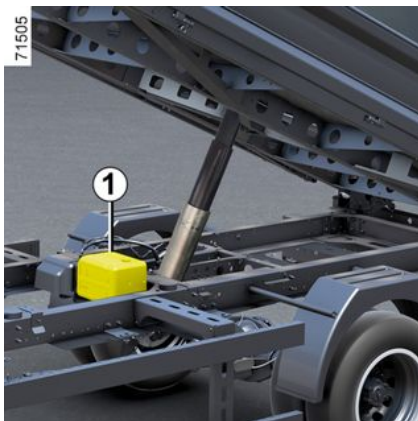
Fitting the towing ball

OIL LEVEL, MAINTENANCE PERIOD



Only use the recommended oil and lubricant types.

Oil level



Before operation or after an extended period of inactivity, check the hydraulic oil level in the tank **1**, using the graduated gauge, and refill if necessary.

As a guideline, we recommend using ISO H46 grade biodegradable hydraulic oil, a grade equivalent to that of mineral oil in accordance with VDMA 24568. It is very important to

choose an oil with a nominal viscosity prescribed for the ambient working temperature.

The oil level check is carried out with the tipper raised, according to the safety instructions with the safety stay engaged → 26.

Note: the oil reservoir level check **1** is carried out with the tipper raised to maximum height. The oil level must be slightly above the "**MIN**" level. If the level needs to be adjusted, consult your authorised dealer.



It is absolutely forbidden to use vegetable oils or additives containing substances different to the product used. Do not mix any different products.

Maintenance period

Check that the tipper operates correctly: any parts that are out of order or damaged must always be replaced before the vehicle is used.

Depending on the vehicle, check that the audible warning works correctly. If the audible warning is out of order, do not use the tipper raising/

lowering control and contact an approved dealer.

Check the condition of the oil hoses. If they are worn or broken, replace them with new, original parts.

Every six months

For the tri-tipper version, grease the hinges of the tipping cylinder located underneath the tipper using a pump provided for this purpose.



Do not use the high pressure washer on the back of the cab. Risk of water infiltration (through air extractors).

OIL LEVEL, MAINTENANCE PERIOD

1

Monthly maintenance table

Carry out these operations monthly.

Hydraulic system maintenance
Check the oil level in the reservoir in the maximum rear tipping position (with the strut fully extended, the oil level should be above the " MIN " mark). If necessary, top up with mineral oil: use ISO H46 biodegradable grade oil or a grade equivalent to that of mineral oil in accordance with VDMA 24568.
Check for signs of hydraulic leakage.
Check the cleanliness of the hydraulic oil (the presence of water or impurities may impair the proper functioning of the tipper).
Mechanical maintenance
Check the condition of the sphere locking rods (tri-tipper version).
Grease the hinged strut.
Check the condition of the mountings and the frame/chassis tightening points.
Grease the hinges of the rear posts.
Check that the rear posts are properly tightened.
Check the tightening of the strut mountings and rods.
Check the rear door closure mounting.
Check the working condition of the circuit breaker.

OIL LEVEL, MAINTENANCE PERIOD



During greasing operations, the tipping platform **must** be secured by the safety stay and the tipper must not be loaded.

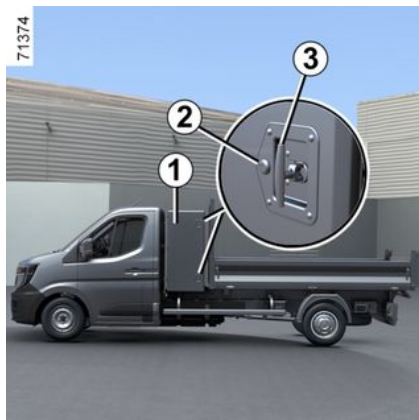
EXTERIOR SENSORS, LIGHTS AND STORAGE COMPARTMENTS

1



Do not climb onto the flatbed using the cycle guards, which are situated on both sides of the platform. Risk of falling or serious injury.

Storage compartment



To open one of the doors **1**, unlock all of the locks **2** using the key, then turn the two handles **3** of the door to be opened.

Note: check that the load distribution in the luggage compartment is

even and does not exceed 35 kg per shelf.

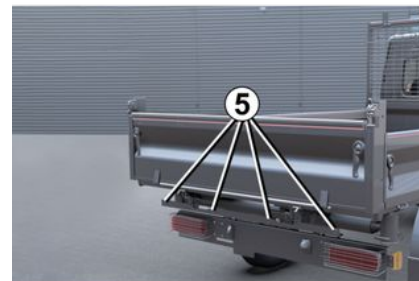
Side lights **4**

(depending on the vehicle)



They light up simultaneously when the side lights are activated.

Ultrasonic rear radars **5**



Ensure that the radar zone **5** is not obstructed (by stickers, mud, snow, etc.), impacted or modified (including paintwork, etc.).

In the event of damage (impact, etc.), to a radar or to one of the supports. Consult an approved Dealer.

OPERATING FAULTS

The following advice will enable you to carry out quick, temporary repairs. For safety reasons, and if the problem persists, you should always contact an approved dealer as soon as possible.

1

	POSSIBLE CAUSES	ACTION REQUIRED
The tipper does not rise at all.	Circuit breaker position open.	Close the circuit breaker.
	Tailgate safety lock, bracket engaged.	Unlock the safety lever of the tailgate, bracket (if fitted).
	Fuse problem.	Check the battery fuse (250 A).
	Electrical connection fault.	Consult an approved dealer.
	Remote control circuit problem.	
	Tri-tipper end of travel sensor problem.	
	Relay problem.	
	Hydraulic assembly problem.	
	Hydraulic assembly free-flow problem.	
Overloading.	Check and reduce the load.	
The tipper rises slightly then stops.	Lack of oil.	Check the oil level and add oil.
	Lack of battery power.	Recharge the battery or start the vehicle.
	Blocked strut problem.	Consult an approved dealer.
	Hydraulic assembly power problem.	
The tipper does not lower.	Circuit breaker open.	Close the circuit breaker.
	Assembly free-flow problem.	Consult an approved dealer.

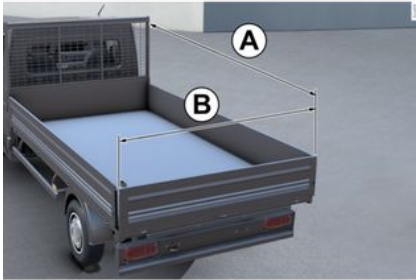
OPERATING FAULTS

1

	POSSIBLE CAUSES	ACTION REQUIRED
	Solenoid valve problem.	
	Strut problem.	
	Remote control circuit problem.	
	Electrical connection fault.	
The tipper descends on its own.	Blocked solenoid valve problem.	Consult an approved dealer.
	Remote control circuit problem.	
	Hydraulic leak.	
The tipper descends very slowly.	Empty tipper too light.	Guide the descent of the tipper or put weight on the ladder holder.
	Hydraulic oil polluted and used.	Consult an approved dealer.
	Hydraulic flow rate too low in the tri-tipper limiter.	
The hydraulic assembly does not stop.	Stuck relay problem.	Open the circuit breaker. If the hydraulic assembly does not restart, consult an approved dealer.
	Remote control circuit problem.	
The oil comes out of the reservoir in the lowered position.	Excess oil.	Reduce the oil level to an adequate level.
The rear door does not lock.	The hook is mechanically offset.	Consult an approved dealer.
The tipper is not sufficiently raised when tipping to the side.	End of travel misadjusted.	Consult an approved dealer.
Tri-tipper rods bent.	Excessive tipping to the side.	Consult an approved dealer.

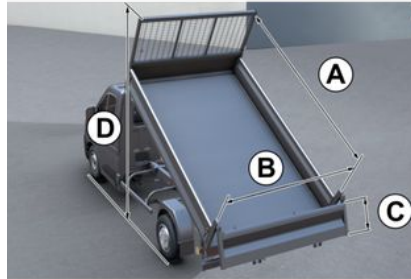
DIMENSIONS (IN METRES)

Platform version



Platform versions			
A	3,350	3,850	4,550
B	2,080		

Flatbed version



Flatbed version	
A	3,380
B	2,099
C	0,450
D	4,120

WEIGHTS (IN KG)

1

The weights indicated are for a basic vehicle without options: they vary depending on your vehicle's equipment. Consult your approved Dealer.

Maximum Permissible All-up Weight (MMAC) Gross Train Weight (MTR)	Weights are indicated on the manufacturer's plate (refer to chapter 6 "Vehicle identification plate" in the vehicle user manual)		
Braked trailer weight* (MRF)	found by calculating: MTR - MMAC		
Unbraked trailer weight*	750		
Permissible nose weight*	Versions with MRF of less than 2.5 tonnes	Versions with MRF of between 2.5 and 3 tonnes	Versions with MRF of between 3 and 3.5 tonnes
	100	120	140
Maximum permissible load on roof	Prohibited		

*Towing weight (towing a caravan, boat, etc.)


Towing is prohibited when the MTR - MMAC calculation is equal to zero, or when the MTR is equal to zero (or is not listed) on the identification plate.

- It is important to respect local towing regulations in force, specifically those set out in the Highway Code. Contact an approved Dealer for any modifications to towing equipment.
- The engine output and climbing capability are reduced with altitude. We recommend that the maximum load be reduced by 10% at an altitude of 1,000 metres and by an additional 10% for each 1,000 metres thereafter.

DECLARATION OF CONFORMITY

65086

A

FR - DÉCLARATION DE CONFORMITÉ DE - KONFORMITÄTSERKLÄRUNG GB - DECLARATION OF CONFORMITY ES - DECLARACION DE CONFORMIDAD NL - CONFORMITEITSVERKLARING		
Fabricant Hersteller Manufacturer Fábrica Fabrikant	 MODEL: ALU DROPSIDE TYPE: VULCAN S5 SERIAL NUMBER: 140541-1 DIMENSIONS: 3800x2000-850 MANUFACTURING YEAR: 2023/30 	Centre de montage Montagezentrum Mounting center Centro de montaje Montagecentrum Nom signature : Date : Cachet :
Date : le 16/10/2023 Cachet : 	MARQUE / MODELLE N° VIN :	

The Declaration of Conformity is provided with the vehicle.

The document **A** shows an example of a Declaration of Conformity to EU Directive 2006/45/EC. Only the original document supplied with the vehicle (duly signed and documented) is valid.



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