

Livestock trailer

# Operating Instructions

Part 2 - HTV



en



7900 series

[humbaur.com](http://humbaur.com)

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Please enter the name of your dealer.

## Notes on use / target group



### PART 2 - Original - "Livestock trailer" Operating Instruction Manual

This "livestock trailer" operating instruction manual Part 2 is intended for you as the user of a ready-to-use trailer. It provides detailed instructions for handling livestock trailers.

It contains all the relevant details on safe operation, care / cleaning, maintenance / servicing, troubleshooting and decommissioning / disposal.

This specific operating instruction manual (Part 2) for your trailer is provided on the enclosed CD. You can also download it from **www.humbaur.com in the section: Download - Operating Instructions.**

### PART 1 - "Trailers up to 3.5 to General Points"

For all other general information on trailers up to 3.5 to, see the operating instruction manual, "Trailers up to 3.5 to (General Points - Part 1)".

- Together, PART 1 and PART 2 form the complete documentation for your trailer, which you, as the user, should have at your disposal.



Read these operating instruction manuals carefully and completely before using your trailer for the first time and observe all of the instructions, safety information and warnings. Comply with the steps for handling.

- Non-observance of any of the documentation can cause injuries to you and to other persons and can cause material damage.
- Non-observance may invalidate your guarantee entitlement.
- Keep these operating instruction manuals in a safe place for the entire service life of your trailer.
- We advise you store the operating instruction manuals in the driver's cab and to keep them on hand in case you need to consult them.
- They should be passed on to the new user / owner if you rent out or sell your trailer.





Furthermore, as a road user, you are obliged to observe all national regulations for driving a vehicle and trailer and to comply with your obligations as the owner of a commercial vehicle.

- This includes carrying out regular maintenance and care tasks and periodically subjecting your trailer to a full technical inspection.
- Observe any special stipulations that are specific to your country.

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# 1 Identification

- ▶  Put a cross next to the type of trailer you have acquired.
- ▶  Read the general operating instruction manual for trailers up to 3.5 to (PART 1).

**Product name: Livestock trailer**

**7900 Series:** \_\_\_\_\_

## Tandem-axle trailer, wood, slanting front

Type 1: HTV 163114 HS  
Type 2: HTV 203015 HS  
Type 3: HTV 203217 HS

## Tandem-axle trailer, aluminium, straight front

Type 1: HTV 243016 AG

## Tandem-axle trailer, aluminium, slanting front

Type 1: HTV 203217 AS

# 1.1 Declaration of Conformity



Humbaur GmbH hereby confirms that all relevant EU directives for the registration and safe use of trailers of the 7900 series livestock trailers with accessories have been complied with.

You can request a detailed EU declaration of conformity from us separately.

# 2 Product description

The livestock trailers have brakes and reverse automatic as standard. They have a parking brake for uncoupled operation.

- 
- The trailers were specially designed for transporting animals.
- 

Gas pressure dampers on the tailgate allow easy opening and closing.

The livestock trailer is fitted with a tarpaulin with a frame.

- 

The trailer has a 13-pin plug as standard and also has reversing and fog lights.

- 

The folding tailgate / front flap ensures simple loading / unloading of your livestock. The tailgate is optionally available as a revolving door.



Example: Designs



Front view



Rear view

## 2.1 Components

1. Overrun hitch with hand brake lever, brake linkage, spring accumulator mechanism
2. Handle
3. Tarpaulin
4. Ball coupling
5. Jockey wheel
6. V drawbar
7. Access door
8. Rotary lever lock
9. Front tail light / white reflector or front position lamp
10. Mud guards (with spray guards)
11. Wheel (tyre)
12. Wheel chock
13. Rear support
14. Tail light combined with triangular reflector, indicator, brake light, rear fog light, reversing light
15. Gas strut
16. Tailgate
17. Support surface
18. Elastic cord fastener, round button
19. Staple



Accessories / extensions are separately explained in the partial description below or in the operating instruction manual "Trailers up to 3.5 to General Points - Part 1".

## 2.2 Tandem-axle trailer, wood, slanting front

- Access door on left in the direction of travel
- Handle for manoeuvring
- Two tie-rings

### 2.2.1 HTV 163114 HS



### 2.2.2 HTV 203015 HS



### 2.2.3 HTV 203217 HS



## 2.3 Tandem-axle trailer, aluminium, straight front

### 2.3.1 HTV 243016 AG

- Access door on right in the direction of travel
- Handle for manoeuvring
- Three tie-rings
- Fully automatic jockey wheel



## 2.4 Tandem-axle trailer, aluminium, slanting front

### 2.4.1 HTV 203217 AS

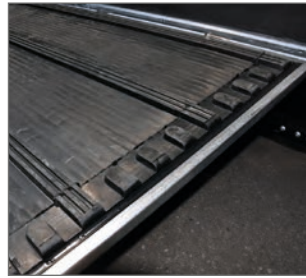
- Access door on left in the direction of travel
- Handle for manoeuvring
- Two tie-rings



## 2.5 Optional accessories



Rear door rotating-swivelling



Tailgate with rubber step



Breast/breech bar



Tie-rings



Spare wheel holder front



Granulate mat



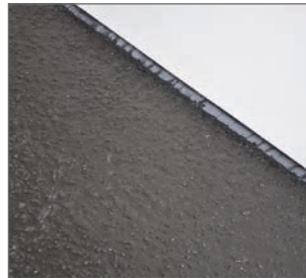
Flow gate on both sides



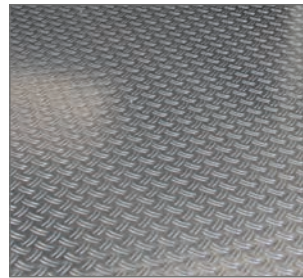
Transverse separator grid



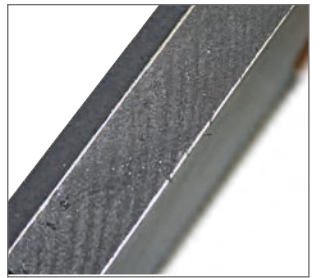
Rubber bed



Floating screen floor



Floor with aluminium tread plate



AluBiComp floor



Access door



Front exit



Number plate holder two-line



one-line



Ventilation flap



Ventilation slide



Interior light



7/13 pin adapter

### 3 Intended use

- Transport of livestock e.g. sheep, beef cattle, milk cows, calves, etc.

### 4 Foreseeable misuse

- Non-observance of the safety instructions in the operating instruction manual "Trailers up to 3.5 to" (Part 1).
- Transport of persons.
- Transport of small animals (e.g. pigs, chickens) - see animal transport ordinance.
- Driving with insufficient load securing.
- Driving with unlocked flaps / doors.
- Driving with breast and breech bar not inserted or not secured.
- Driving without separator grid attached.
- Irregular cleaning of the cargo bed / internal space.
- Exceeding the drawbar load and trailer load.
- Transport of other loads - without load securing.

### 5 General Safety Instructions



Observe the other general safety recommendations in the operating instruction manual, "Trailers up to 3.5 to General Points - Part 1".



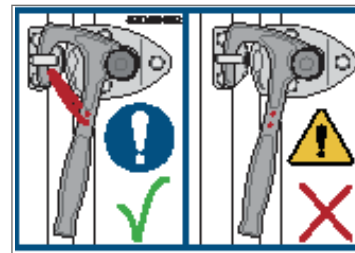
#### WARNING



#### Unsecured rotary lever locks!

The tailgate or front flap might unintentionally burst open while driving - accident risk!

- ▶ Check that all rotary lever locks are secured with locking springs before driving off.



#### WARNING

#### Unsecured load!

The load can be flung out while driving.  
The trailer may start to lurch - accident risk!

- ▶ Check that the load is secured at tie-down points and / or that it is loaded in a positive-locking manner.
- ▶ Have the necessary tie-down points retrofitted in a specialist workshop as required.



#### CAUTION





#### Folding tailgate / front flap!

The tailgate and front flap may fold down in an uncontrolled manner after unlocking - risk of being hit!

People's feet may be crushed.

- ▶ Stand to the side of the tailgate or front flap when unlocking it.
- ▶ Hold the tailgate or front flap with one hand at one side.
- ▶ Allow the tailgate or front flap to drop down when the gas struts are defective.  
- Never try to catch it.

- ▶  Keep your feet away from the area around the tailgate or front flap.


- ▶  Keep people away from the hazard zone during lowering.

- ▶ Use  ,  .



## 6 Loading and Unloading

### 6.1 Load distribution

-  Position your livestock or load as centrally as possible on the cargo bed.

Ensure that the minimum drawbar load is not exceeded and that no negative drawbar load occurs.

| ! VORSICHT  | ! CAUTION   |
|---|---|
| <p>Überschreitung der zul. Stützlast!<br/>Kann zu Unfällen führen-Schleudergefahr.</p> <p>► Min. 4 % der Anhängerlast einhalten,<br/>mehr als 25 kg nicht notwendig.</p> <p>► Zul. Stützlast des Zugfahrzeugs beachten!</p> | <p>Exceeding the permissible vertical load! Can lead to accidents-risk of skidding.</p> <p>► Min. 4 % of the trailer load to comply,<br/>more than 25 kg are not necessary.</p> <p>► Perm. Note vertical load of the vehicle!</p> |

### 6.2 Load securing

#### 6.2.1 Breast & breech bars (optional)

Functional explanation


- The breast and breech bars are used to stabilise and hold your livestock.

#### ! WARNING

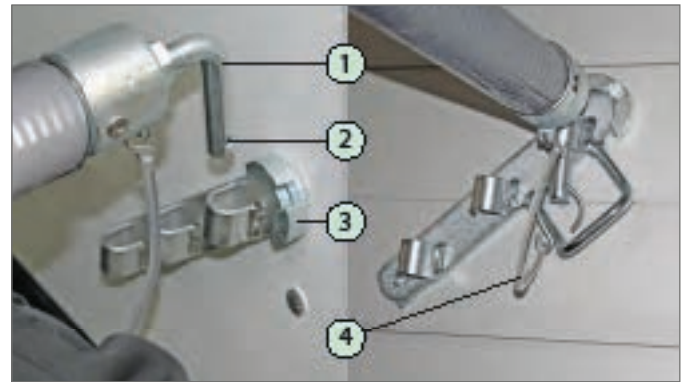
##### Unsecured breast / breech bars!

The animal may fall during the drive or get frightened by bars sliding around - lurching / accident risk!

- Check that the breast and breech bars are attached and secured before driving off.

-  The breast and breech bar holder can be set to 3 height levels.

#### Hook in the breast and breech bar

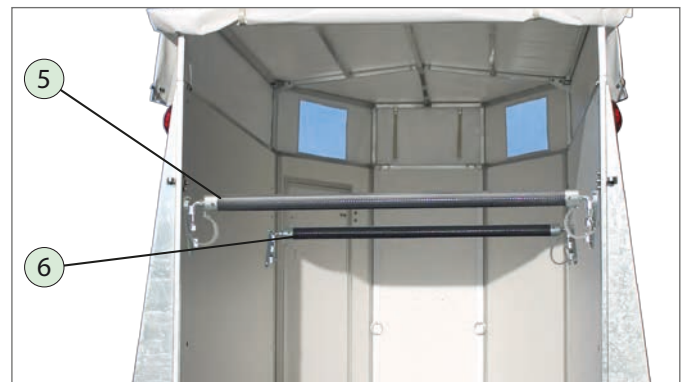


#### Hooking in the breast and breech bar (end-to-end)

- Locking
- Drilled hole (locking mechanism)
- Hook-in rail (on the side wall)
- Safety hook

- Hang the locking mechanism into the hook-in rail.
- Hang the safety hook into the hole of the locking mechanism.

The breast and breech bar is secured.



#### Breast and breech bar in driving position

- Breech bar, secured
- Breast bar, secured

#### 6.2.2 Tie-rings (optional)

Functional explanation

- The tie-ring allows your livestock to be tied down.



#### Tie-down option

- Tie-ring

## 6.2.3 Separator grid, transverse (optional)

Functional explanation

- The separator grid allows a separate transport of animals.



Separator grid

- Separator grid
- Adjustment rail
- Adjustment lock
- Plug pins

### WARNING

#### Driving with unsecured separator grid!

Separator grid can be thrown about. Goods are unsecured and the trailer can skid - accident risk!

- Check that the separator grid is secured on both sides before driving off.

### CAUTION



#### Open separator grid!

An unlocked separator grid can swivel uncontrollably - risk of being hit!

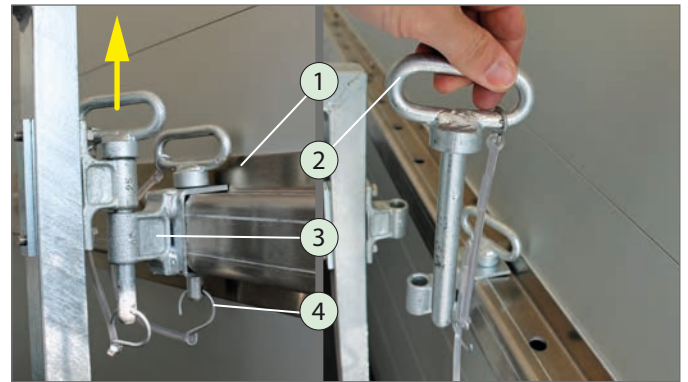
- When opening and swivelling, hold the separator grid firmly.

#### Dismantle / adjust the separator grid!

An unlocked separator grid can swivel uncontrollably - risk of being hit/ crushed!

- When opening and adjusting, hold the separator grid firmly.

## Opening the separator grid

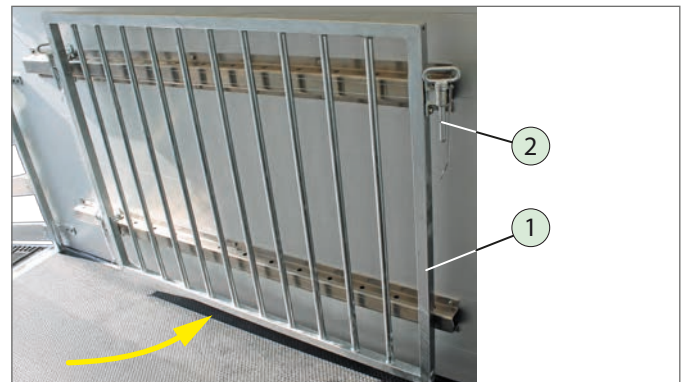


Separator grid secured

unsecured

- Adjustment rail
- Plug pins
- Adjustment lock
- Safety hook

- Release the safety hook.
- Pull the plug pins upwards.

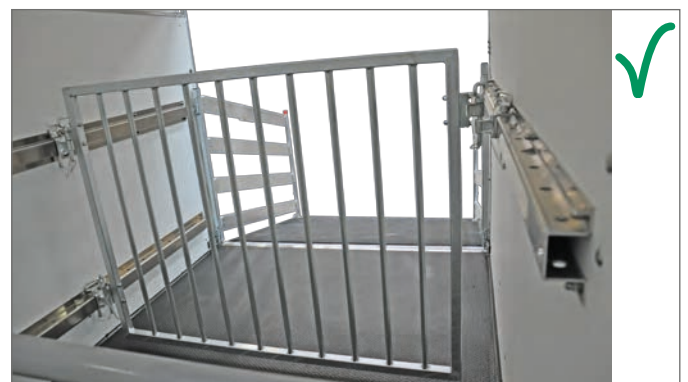


Swivelling out the separator grid

- Separator grid, parked
- Plug bolt, inserted

- Swivel the separator grid to the side.

## Closing / securing the separator grid



Separator grid secured (in driving position)

- Insert the plug pins into the adjustment lock from above.
- Secure the plug pins with the safety hook.

## Dismantling / adjusting the separator grid



### Separator grid unlocked right / left

- ▶ Release all safety hooks.
- ▶ Carefully lift up the separator grid with the plug pins.



### Dismantling the adjusting locks

- ▶ Secure the adjustment locks.
- ▶ Insert the adjustment locks in the required holes.

### Mounting / securing the separator grid

- ▶ Secure the adjustment locks with the safety hooks.
- ▶ Insert the separator grid with the plug pins into the adjustment locks.
- ▶ Secure all the plug pins with the safety hooks.

## 6.3 Loading / unloading the trailer



Make sure that the trailer is secured so that it cannot roll away.

|   |                |  |   |                |
|---|----------------|--|---|----------------|
|   | <b>WARNUNG</b> |  |   | <b>WARNUNG</b> |
| <b>Unzureichende Beleuchtung beim Be- und Entladen!<br/>Erhöhte Unfallgefahr.</b><br>▶ Sichern Sie den Anhänger mit zusätzlichen Signaleinrichtungen. |                |  | <b>Inadequate lighting during loading and unloading!<br/>Increased risk of accidents.</b><br>▶ Secure the trailer with additional signalling devices. |                |

- ▶ Make sure that road traffic safety is not impaired when loading and unloading the trailer.
- ▶ If necessary, use additional signalling devices e.g. signs, barriers.



### WARNING



#### The animal may panic!

No way of escape when access door / front flap is locked. The livestock may crush you to death / squash you.

- ▶ Ensure that the access door / front flap is unlocked and opened before guiding in the animal.



### CAUTION




#### Risk of crushing!


Fingers / hands may be crushed between the tailgate and the ground, in the locking edge area and when opening / closing the lock while unlocking and folding down / folding up the tailgate, front flap, rotating door.

- ▶ Keep your hands / fingers away from the area of the closing edges.
- ▶ Hold the flaps / revolving door at the side.


## Preparing the trailer for loading / unloading

 The trailer should not be able to slip away during the loading process.

- ▶ Place the trailer on solid ground.
- ▶ First, couple the trailer to the towing vehicle, then operate the parking brake of the towing vehicle.
- ▶ In addition, secure the trailer against rolling by using wheel chocks.

 Instructions for operating the ball head coupling are provided in the operating instruction manual "Trailers up to 3.5 t" General Points - Part 1.

## Manoeuvring options


 Manoeuvring is only permitted when the trailer is not loaded.

- ▶ Lower the jockey wheel.
- ▶ Close the tailgate / front flap as required.




Manual manoeuvring of the trailer

### 1. Handle (on the front side)

- ▶ Use the handles at the front of the trailer for manual manoeuvring.
- ▶ Pull / push the trailer in the desired direction.
- ▶ Ensure that your feet do not get under the jockey wheel.
- ▶ Use  .

## 6.3.1 Operating the tailgate

 The tarpaulin is to be opened before opening the tailgate.

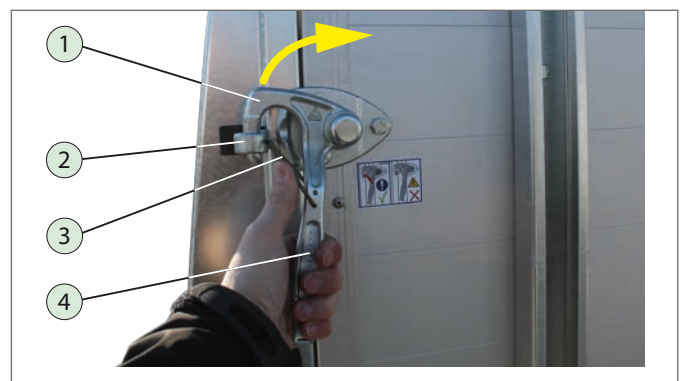


Tailgate closed

1. Tarpaulin
2. Rotary lever lock
3. Tailgate
4. Gas strut

- ▶ Position yourself on the side next to the tailgate before unlocking the rotary lever lock.

## Unlocking locks



Unlocking the rotary lever lock

1. Hook
2. Lever
3. Eyelet
4. Locking spring

- ▶ Unlock the rotary lever lock.
  - Push in the locking spring while turning the lever to the completely open position.
 The hook is released.


## Opening / tilting



Only place the tailgate onto completely level surfaces.



Lowering the tailgate

- ▶ Use  .
- ▶ Grip the upper edge of the tailgate.
- ▶ Slowly lower the tailgate.
  - If necessary, push it downwards.
  - Make sure that your hands / feet are not under the tailgate.



Lowering the tailgate

1. Tailgate
2. Rotary lever lock

- ▶ Turn the rotary lever locks towards the inside  
- **Risk of stumbling!**

## Load / move in the livestock



### WARNING



#### The animal may panic!

No way of escape when access door / front flap is locked. The livestock may crush you to death / squash you.

- ▶ Ensure that the access door / front flap is unlocked and opened before guiding in the livestock.



Access door OPEN

access door CLOSED

### NOTICE

#### Overloading the tailgate / front flap!

The tailgate or front flap may get deformed.

The maximum permissible drawbar load is exceeded.

- ▶ Avoid point loads.
  - ▶ Load the tailgate / front flap evenly.
- 
- ▶ When necessary, open the flow gate.
  - ▶ If necessary, tie the livestock to an internal eyelet.
  - ▶ Ensure a supply of fresh air.

## Closing / securing

### CAUTION



#### Risk of crushing!

Fingers / hands may be crushed in the area of the locking edges when closing the tailgate / front flap.

- ▶ Carefully close the tailgate / front flap - do not slam it.
- ▶ Keep your hands / fingers away from the area of the closing edges.



#### Closing the tailgate

- ▶ Grip the middle of the lower edge of the tailgate.
- ▶ Lift the tailgate upwards - the gas struts will help you.
- ▶ Swivel out the rotary lever locks (open position).
- ▶ Push the tailgate completely shut.



#### Securing the tailgate

- ▶ Hold the tailgate with one hand.
- ▶ Close the rotary lever locks one by one.
  - The locking springs must engage.

The tailgate is secured against unintentional opening while driving.

## 6.3.2 Using the tailgate as a revolving door

### Functional explanation




- The tailgate can additionally be designed as a rotating door.

### WARNING



#### Fold open the revolving doors!

After unlocking, the revolving door can fold open or fold down in an uncontrolled manner afterwards - risk of being hit or crushed!

- ▶ Stick to the sequence for unlocking the revolving door - see sticker.
- ▶ Never unlock both rotary lever locks.
- ▶ Hold the revolving door tight with one hand.
- ▶  Keep persons out of the swivelling range of the tailgate.
- ▶ Use  .



#### Tailgate as a revolving door

1. Lock at the bottom left
2. Rods
3. Mount (hinge) at the bottom right
4. Handle

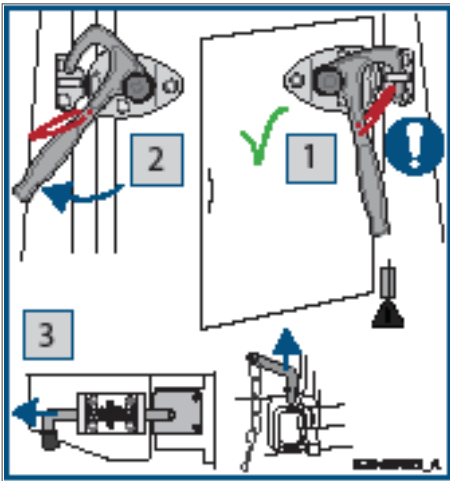


Before opening the revolving doors, roll up the tarpaulin.

## Unlocking the top locks



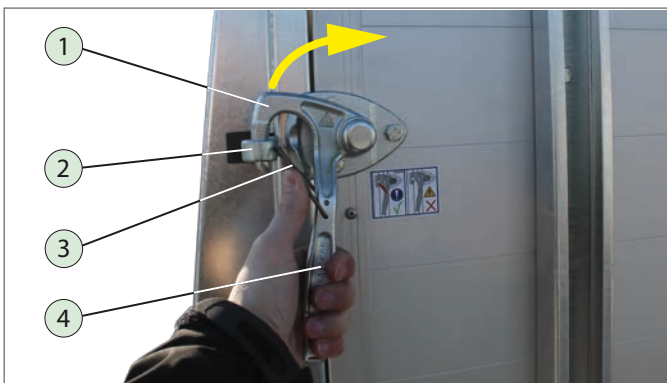
Take note of the attached sticker for operating the revolving door.



### Opening the tailgate as a revolving door



The right rotary lever lock remains closed (hinge side).



### Unlocking the rotary lever lock (LEFT)

1. Hook
2. Eyelet
3. Locking spring
4. Lever

- ▶ Unlock the left rotary lever lock.

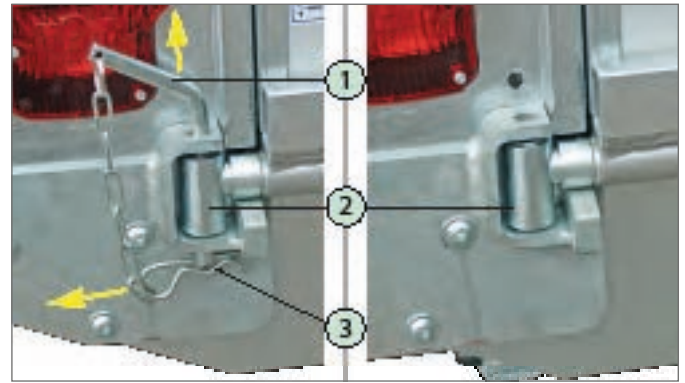


Left lock open

right lock closed

- ▶ Keep your hands / fingers out of the closing edge area  
- risk of crushing!

## Unlocking the locking mechanism at the bottom (Version 1)



### Unlocking the revolving door at the bottom

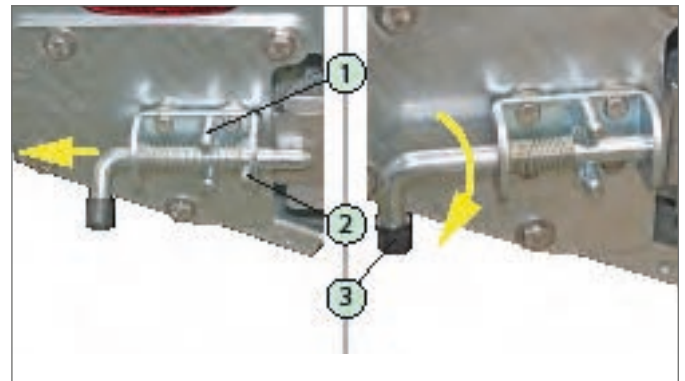
1. Plug pins
2. Revolving door lock
3. Cotter pin

- ▶ Pull the cotter pin out of the plug pin.
- ▶ Remove the plug pin from the revolving door lock.

The revolving door is now unlocked at the bottom.

- ▶ Keep the plug pin in a safe place.

## Unlocking the locking mechanism at the bottom (Version 2)



### Unlocking the revolving door at the bottom

1. Plunger pins
2. Securing pin
3. Locking bolt

- ▶ Pull the locking bolt.
- ▶ Turn the locking bolt through 90° and lock it with the plunger pins.

The revolving door is now unlocked at the bottom.

## Opening / swivelling open



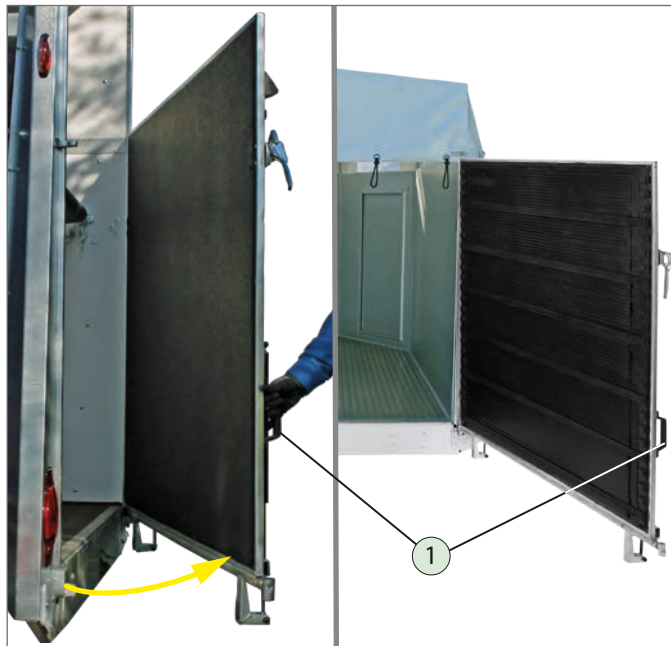
The revolving door does not have a door holder.  
The revolving door may unintentionally slam shut.

### NOTICE

#### Overextending the revolving door!

The hinges of the tailgate or the front flap / lamps at the rear support can get damaged.

- ▶ Only swivel the revolving door up to the limit stop or, if it does not have a limit stop, up to the level where no components can be damaged.



Swivelling out revolving doors

open

#### 1. Handle

- ▶ Grip the handle of the revolving door.
- ▶ Swivel open the revolving door.
- ▶ Hold the revolving door with your hand and secure it against unintentional slamming.

## Closing / securing



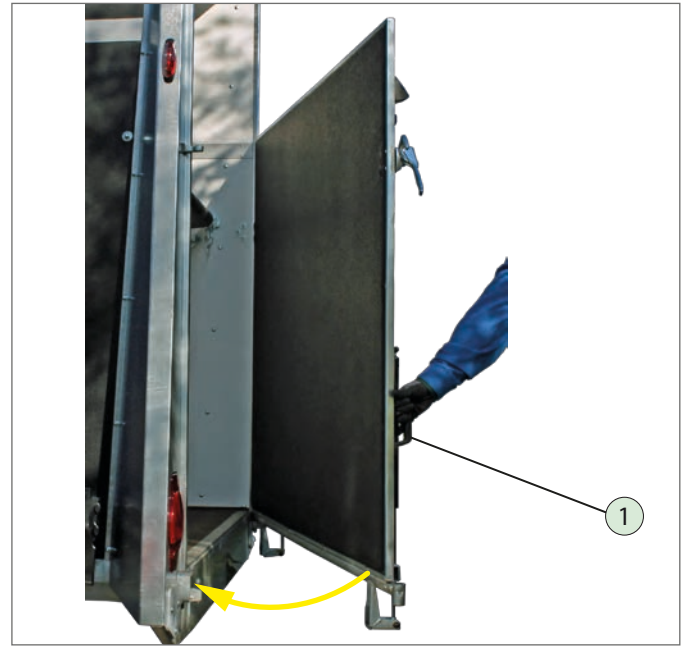
### CAUTION



#### Risk of crushing!

Fingers / hands may be crushed in the area of the locking edges when the revolving door slams shut.

- ▶ Carefully swivel the revolving door until it is closed - Do not slam it.
- ▶ Keep your hands / fingers away from the area of the closing edges.



Closing the revolving door

#### 1. Handle

- ▶ Grip the handle of the revolving door.
- ▶ Carefully swivel the revolving door until it is closed.

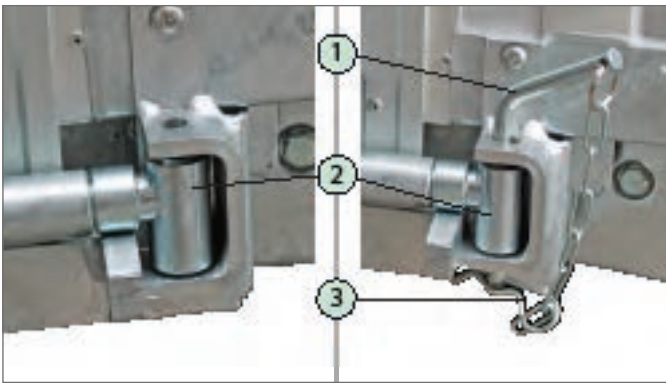


Securing the revolving door at the top

- ▶ Close the open rotary lever lock.  
- The locking spring must engage.



### Locking the lock at the bottom (Version 1)



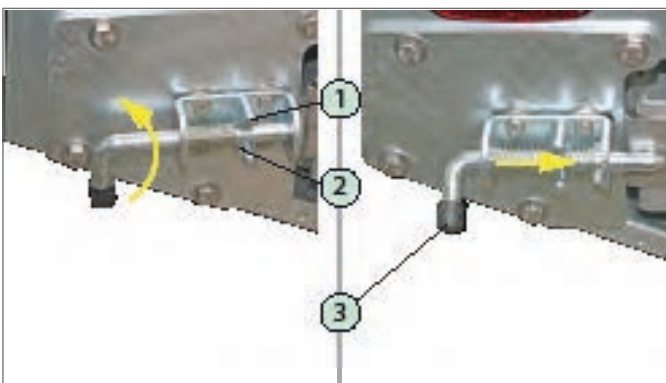
#### Securing the revolving door lock at the bottom

1. Plug pins
2. Revolving door lock
3. Cotter pin

- ▶ Put the plug pin into the revolving door lock.
- ▶ Secure the plug pin with the cotter pin.

The revolving door is now locked at the bottom.

### Locking the lock at the bottom (Version 2)



#### Securing the revolving door at the bottom

1. Plunger pins
2. Securing pin
3. Locking bolt

- ▶ Release the locking bolt and let it latch.

The revolving door is now locked at the bottom.



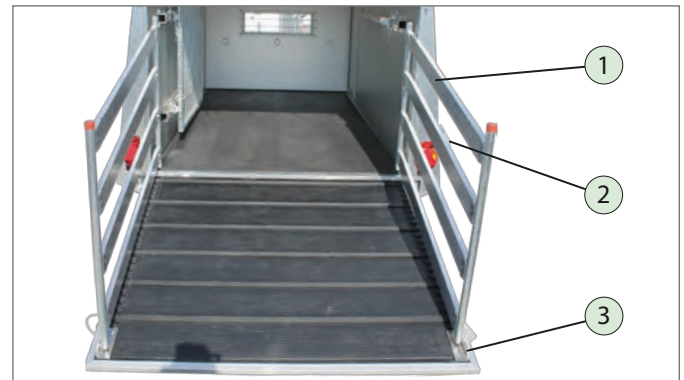
#### Revolving door locked top & bottom

The revolving door is secured against unintentional opening while driving.

### 6.3.3 Flow gate (optional)

Functional explanation

- Enables easier introduction of animals.



#### Flow gate folded out

1. Flow gate
2. Flow gate safety device
3. Flow gate holder



#### Flow gate in driving position

#### Flow gate open



#### Unlock / open flow gate!

When opening / swivelling out the flow gate, people may be hit.

- ▶ When opening and swivelling, hold the flow gate firmly.



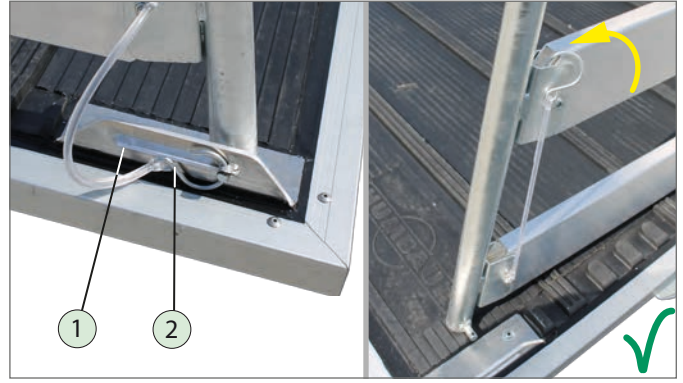
#### Opening the left flow gate

- ▶ Lift the flow gate up and swivel it out.



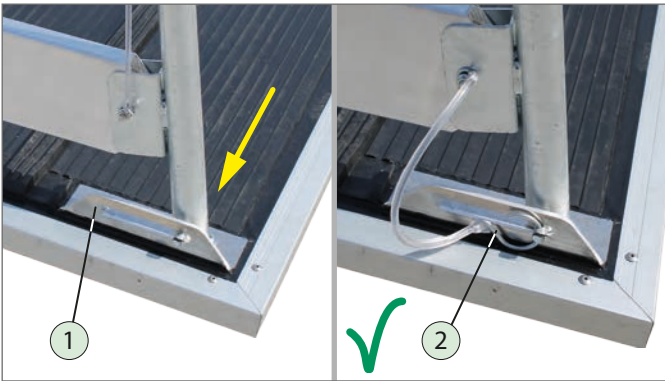
**Unfolding the right flow gate**

- ▶ Lift the flow gate up and swivel it out.



**Unlocking the flow gate**

- ▶ Remove the safety hook.
- ▶ Take the flow gate out of the holder.



**Securing the right & left flow gate**

1. Holder on tailgate
2. Safety hook

- ▶ Guide the flow gate into the holder.
- ▶ Fix it with the securing hook.



**Closing the flow gate**

- ▶ Swivel the right flow gate in.
- ▶ Swivel the left flow gate in.
- ▶ Suspend the left flow gate in the flow gate safety device.

**Closing the flow gate**

**⚠ CAUTION**



**Close flow gate!**

You may crush your hands while closing the flow gate.

- ▶ When closing the flow gate, hold it firmly by the slats.



**Flow gate secured (in driving position)**

1. Flow gate safety device

The flow gate is closed and secured against unintentional opening while driving.



**Crushing points**

### 6.3.4 Access door

Functional explanation

- The access door is intended for entering / leaving the trailer for the loading / unloading procedure.



#### WARNING

##### Unsecured access door!

The access door may unintentionally fly open during the drive - accident risk!

- ▶ Make sure that the access door is closed and secured before driving off.




#### CAUTION



##### Access door may burst open!

The access door may burst open, e.g. under load pressure when the trailer is loaded, after unlocking - risk of being hit.

- ▶ Reposition the goods in front of the tailgate / revolving door as required.
- ▶ Hold the access door with one hand at the side.
- ▶ Carefully open the access door.
- ▶  Keep people out of the swivelling range of the access doors while opening the door.



##### Entering / leaving the trailer through the access door!

You may bump your head or fall while entering / leaving the trailer through the access door.

- ▶ Be particularly careful when entering / leaving the trailer through the access door - lower your head as required.



##### Risk of crushing!

Fingers / hands may be crushed in the area of the locking edges while shutting and locking it.

- ▶ Carefully close the access door - do not slam it.
- ▶ Keep your hands / fingers away from the area of the closing edges.



Access door closed (driving position)

1. Rotary lever lock
2. Access door

#### Opening



Access door open

- ▶ Unlock both rotary lever locks.
- ▶ Completely swivel out the access doors.  
- Watch out that the access doors do not fall down unintentionally.

#### Closing

- ▶ Swivel the access door closed.
- ▶ Lock both rotary lever locks.

### 6.3.5 Front flap

Functional explanation

- A front flap is available as a front exit accessory.
- The animals may be guided out over the front flap.

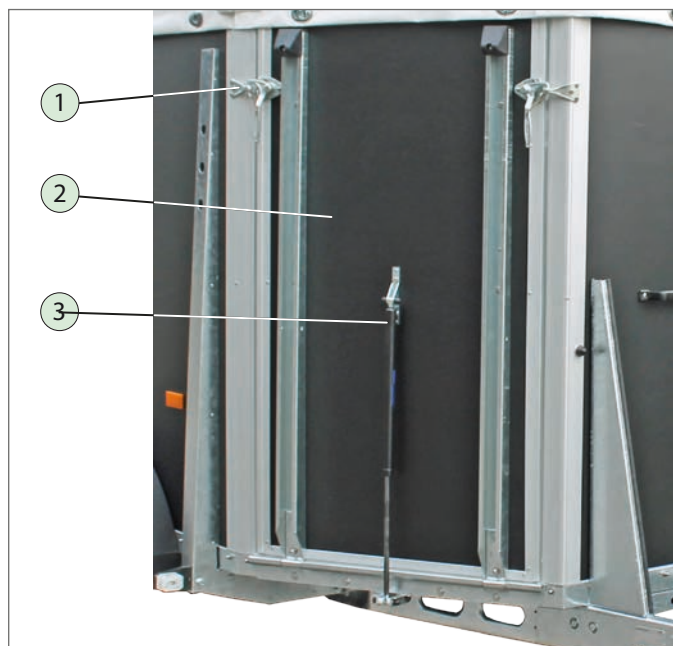


#### WARNING

##### Unsecured front flap!

The front flap may unintentionally open while driving - accident risk!

- ▶ Check that the front flap is closed and secured before driving off.



Front flap closed

1. Rotary lever lock
2. Front flap
3. Gas strut

### Lower the front flap



Operation of rotary lever locks, see section: Operate the tailgate.



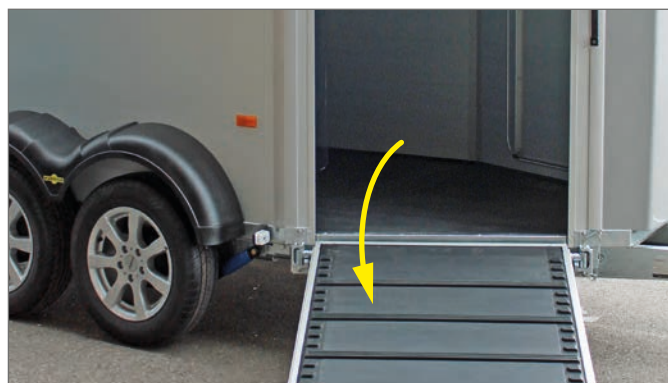
Only rest the front flap on a completely level surface.



Front flap unlocked

1. Rotary lever locks, closed

- ▶ Unlocking the rotary lever locks.



Front flap lowered

- ▶ Use  , .

- ▶ Grip the upper edge of the flap.
- ▶ Lower the flap in a controlled manner.
  - If necessary, push it downwards.
  - Make sure that your hands / feet are not under the flap.

## Closing / securing

### CAUTION



#### Risk of crushing!

Fingers / hands may be crushed in the area of the locking edges when closing the tailgate / front flap.

- ▶ Carefully close the tailgate / front flap - do not slam it.
- ▶ Keep your hands / fingers away from the area of the closing edges.



Front flap closed



Front flap closed & secured

- ▶ Close the open rotary lever lock.
  - The locking spring must engage.

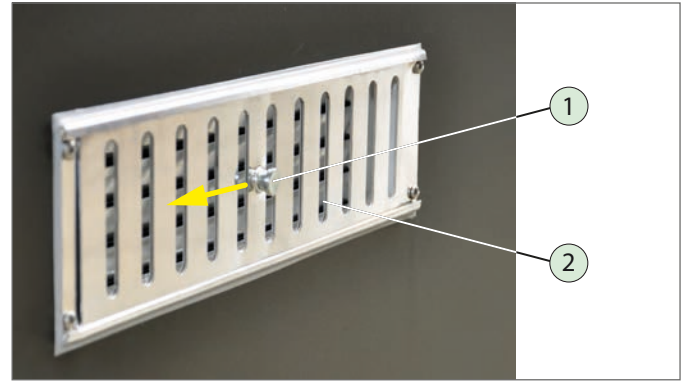
The front flap is secured against unintentional opening while driving.

## 6.4 Fresh air supply

### 6.4.1 Ventilation slide (optional)

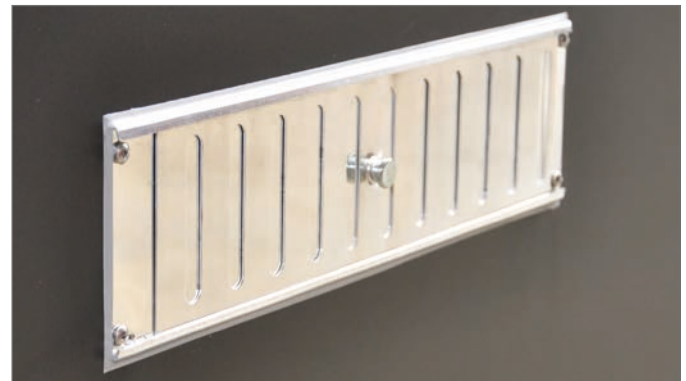
Functional explanation

- For permanent fresh air supply or continuous ventilation of the interior.
- Attached to the side wall.



Ventilation slide open

1. Button
2. Slats



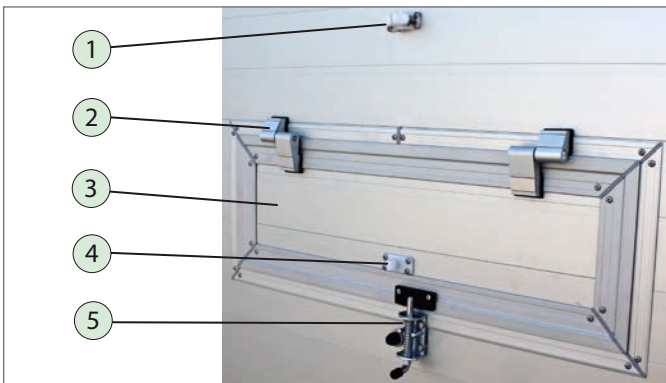
Ventilation slide closed

- ▶ Slide the button to the right / left accordingly. Ventilation slats are open or closed.

## 6.4.2 Ventilation flap (optional)

Functional explanation

- The ventilation flap serves for fresh air supply while parked (standing still) and while driving with animals.



Ventilation flap closed (external view)

1. Retainer
2. Strap
3. Flap
4. Nipple
5. Locking bolt



Bars (interior view)

### WARNING

#### Driving with ventilation flap open / unlocked!

Sections of the goods can be thrown out  
- Risk of being hit / accident.


- ▶ Make sure that the ventilation flap is closed and secured before driving off.

### CAUTION



#### Opening / closing the ventilation flap!

People can be hit in the swivel range of the ventilation flap.

- ▶  Keep persons out of the swivelling range of the ventilation flap during operation.

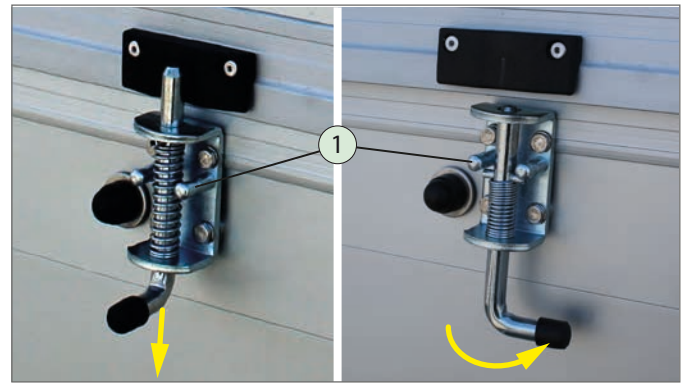


#### Unlocking the ventilation flap:

The ventilation flap can burst open from the load pressure - Risk of being hit.

- ▶ When loading, check that no load is pressing against the ventilation flap.
- ▶ Carefully unlock the ventilation flap.

## Opening



### Unlocking locking bolts

#### 1. Locking pin

- ▶ Pull down the locking bolts and turn them through 90°.
- ▶ Lock the locking bolts in the locking pins.



### Opening the ventilation flap

- ▶ Fold the ventilation flap upwards.
- ▶ Latch the nipple in the holder.



### Ventilation flap open

## Closing

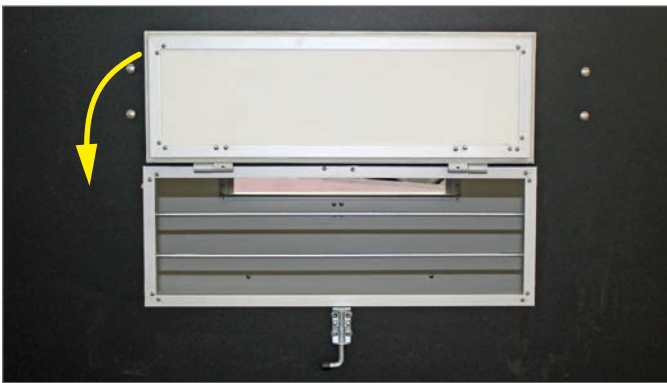
### CAUTION



#### Risk of crushing!

When closing the ventilation flap, hands / fingers can be crushed.

- ▶ Keep your hands / fingers away from the area of the closing edges.



#### Close ventilation flap

- ▶ Pull the ventilation flap until the nipple unlatches from the holder.
- ▶ Carefully fold the ventilation flap downwards.



#### Locking the locking bolts

- ▶ Turn the locking bolt through 90° and let it latch.



#### Ventilation flap closed / locked

## 6.4.3 Tarpaulin

### WARNING

#### Driving with unlocked tarpaulin

The trailer may start to lurch due to the penetrating wind - accident risk!

Load parts may be thrown out!

Tarpaulin can fly up - accident risk!

- ▶ Make sure that the tarpaulin is secured on the side with staples before driving off.

#### Driving without tarpaulin

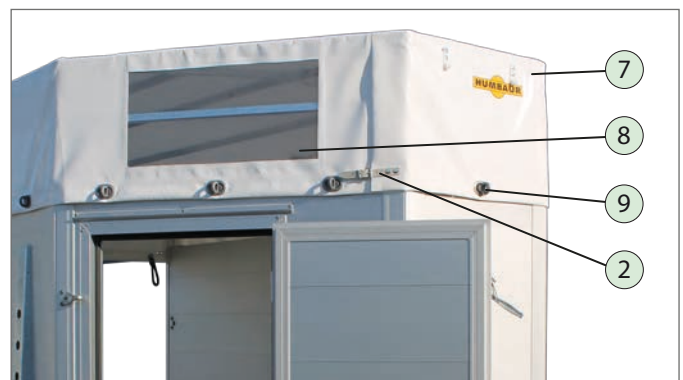
Parts of the frame chassis could jump out during the journey - accident risk!

- ▶ Ensure that the tarpaulin is mounted before driving off.



#### Tarpaulin, rear side, closed

1. Tarpaulin section, rear side
2. Buckle
3. Elastic cord fastener
4. Round button
5. Tailgate
6. Rotary lever lock



#### Tarpaulin, front side

7. Tarpaulin section, rear side
8. Light opening
9. Staple

## Opening the tarpaulin



Open buckles

- ▶ Open the buckles



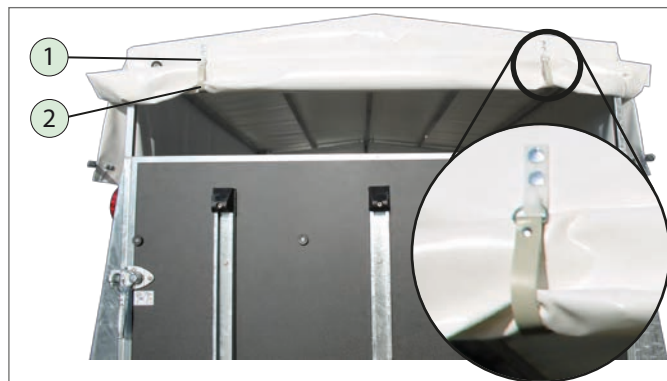
Tarpaulin section rear side, elastic cord fastener unsecured

- ▶ On the rear side of the tarpaulin section, remove the elastic cord fasteners from the round buttons.



Front side of tarpaulin section, staples unsecured

- ▶ Open the staple on the front side.
- ▶ Roll up the tarpaulin section.
- ▶ Hook the belts on the upper holding eyelet.



Rear side tarpaulin section, open

1. Upper eyelet holder
2. Belt

The rear side tarpaulin section is rolled up and secured.



Front side tarpaulin section, open

The front side tarpaulin section is rolled up and secured.

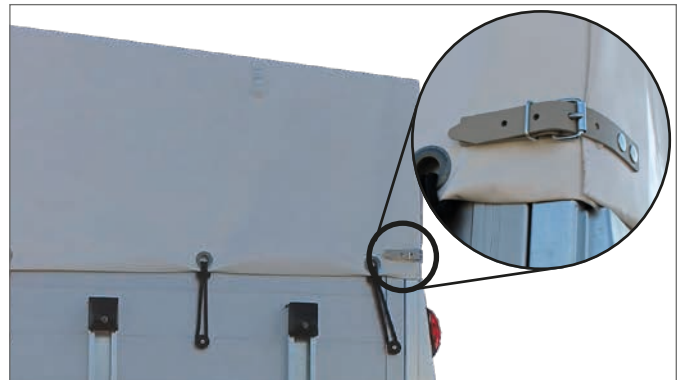


## Closing the tarpaulin



Upper eyelet holder unhooked

- ▶ Unhook the belts from the upper holding eyelets.
- ▶ Roll up the tarpaulin section.



Tarpaulin section, rear side, closed

The rear tarpaulin section is closed and secured.



Tarpaulin section rear side, elastic cord fastener secured

- ▶ On the rear of the tarpaulin section, pull all elastic cord fasteners over the round buttons.




Front side of tarpaulin section, staple / buckles secured

- ▶ On the front of the tarpaulin section, close the buckles.
- ▶ Close both buckles.

The front of the tarpaulin section is closed and secured.

## Dismantling the tarpaulin

- ▶ Open all the staples and all elastic cord fasteners all around the tarpaulin.
- ▶  Use two people to remove the tarpaulin.
- ▶ Use stable ladders.

## 7 Driving

### **WARNING**



#### **Unlocked tailgate / front flap!**

Unlocked tailgate / front flap may unintentionally fold open while driving - accident risk!

Goods may fall down - risk of being hit!

- ▶ Ensure that the tailgate / front flap is locked with the rotary lever lock before driving off. (The locking springs on the rotary lever locks must have latched).
- ▶ Immediately replace missing / defective locking springs.



Before setting off, make sure that the maximum permissible loads (load capacity and drawbar load) are not exceeded.



Observe the maximum permissible towing load and drawbar load of your towing vehicle and the trailer coupling.

- ▶ Check the weight of the goods to be loaded where required.
- ▶ Carry out a departure check (see operating instruction manual, "Trailers up to 3.5 to" General Points - Part 1).



A warning sticker should be attached to the rear of the trailer for safety reasons.

- ▶ Always remember: You are transporting "LIVE ANIMALS" - that might panic!
- ▶ Avoid accidents by driving in an anticipatory and cautious manner!



Take note of the safety / driving instructions for the towing vehicle and trailer as given in the operating instruction manual "Trailers up to 3.5 to" - General - Part 1.



Your trailer can be licensed for a top speed of max. 100 kph. For this, several conditions must be fulfilled.

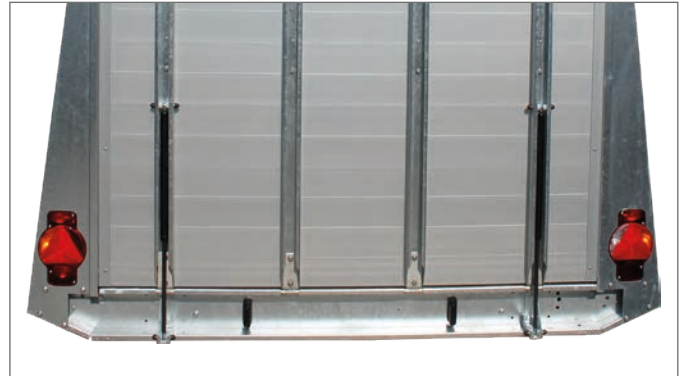
- For information, see [www.humbaur.com](http://www.humbaur.com)

- ▶ Adapt your driving style to the road and weather conditions!  
- Reduce your speed and drive particularly carefully around bends / when turning!
- ▶ Start braking processes smoothly (not suddenly).
- ▶ Stop immediately if the livestock starts to jump around in the trailer.

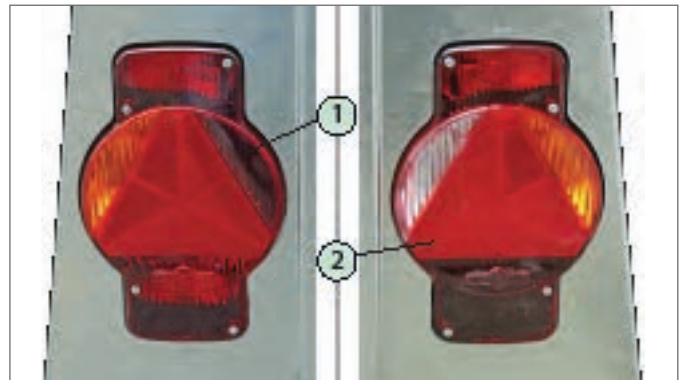
## 7.1 Lights



You will find the safety-related information about handling the lighting system in the operating instruction manual "Trailers up to 3.5 to" - General - Part 1.



Rear view



Multi-function light, left

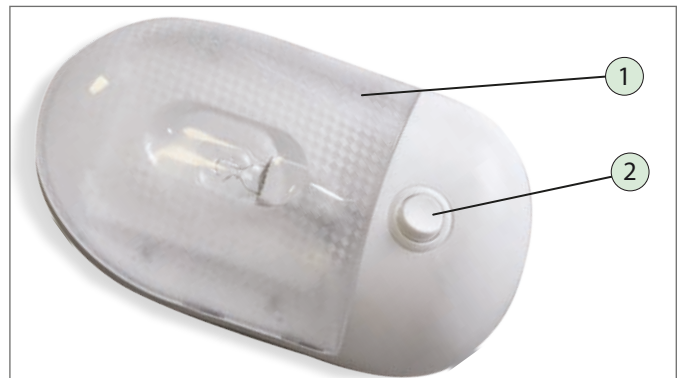
Multi-function light, right

1. Multi-function light, left version for: Brake, indicator, rear fog light
2. Multi-function light, right version for: Brake, indicator and reversing light

### 7.1.1 Interior lighting

Functional explanation

- The interior light can be switched on with a toggle switch when it is dark, e.g. when loading / unloading or driving.



Interior light

1. Light
2. Toggle switch

## 8 Parking



Observe the general safety and warning instructions on parking your trailer safely in the operating instruction manual, "Trailers up to 3.5 to" General Points - Part 1.

- ▶ Furthermore, ensure that
  - the tailgate, front flap, access door are closed and secured and
  - the ventilation flaps are closed.



Jockey wheel lowered

### 8.1 Parking an uncoupled trailer

- ▶ Park the trailer where possible on level ground / an even surface - not on a slope or on an uphill and downhill incline.
- ▶ Apply the handbrake.
- ▶ Place the wheel chocks under the wheels.



Ventilating the trailer / drying it out

- ▶ Let the inside of the trailer dry out well to prevent growth of mould and damage due to humidity.

## 9 Cleaning / Maintenance / Servicing

### 9.1 Care / Cleaning




Observe the safety instructions and instructions for general cleaning / care of trailers in the operating instruction manual "Trailers up to 3.5 to" General Points - Part 1.

#### NOTICE

##### Cleaning the inside:

The side walls / floor are glued and sealed - a high-pressure jet can dissolve the glue / sealing - and lead to water / humidity damage.

- ▶  Do not clean the inside of the trailer with a high-pressure cleaner / steam cleaner.
- ▶ Use only water at normal pressure, e.g. from a hose pipe, to clean the inside area.
- ▶ Wash the inside walls by hand with lukewarm water.

##### Sweep out the cargo bed / tailgate



Cleaning the tailgate / cargo bed

- ▶ Clean your trailer after every use.
- ▶ Let the inside dry out properly.

## 9.2 Maintenance / Servicing



Maintenance instructions are given in the operating instruction manual "Trailers up to 3.5 to" General Points - Part 1.  
Additional specific maintenance instructions may be found here.

### 9.2.1 Tyres / wheels



Steel rims

- ▶ Check the tyre pressure on all wheels on a regular basis and before long journeys.  
(See the table: Maintenance instructions in the operating instruction manual "Trailers up to 3.5 to General Points - Part 1")

The following tyre sizes can be used:

| Tyre type      | p <sub>max.</sub> in bar |
|----------------|--------------------------|
| 155 / 80 R13   | 3.0                      |
| 155 R13 ; RF   | 3.5                      |
| 175 / 70 R13   | 3.0                      |
| 185 R14C - 8PR | 4.5                      |
| 185 / 60 R15   | 3.0                      |
| 185 / 65 R14   | 3.0                      |
| 185 / 65 R15   | 3.0                      |
| 195 / 65 R14   | 3.0                      |
| 195 / 65 R15   | 3.0                      |

Table: Tyre pressure / tyre size

- ▶ Please use the correct tyre pressure as specified in this table.

### 9.2.2 Gas struts

- The gas struts are intrinsically maintenance-free.
- However, the gas struts are subject to wear that can be reduced by regular maintenance.



#### WARNING

#### Removing gas struts:

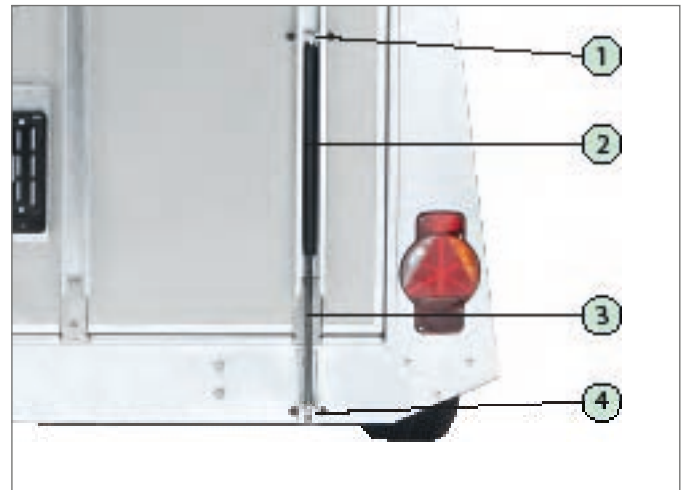
The gas struts are under high pressure!  
Improper fitting / removal may result in injury to persons  
- Impact / collision risk!

- ▶ Observe the safety warnings on the gas struts.
- ▶ Take note of the instructions provided by the gas strut manufacturer.
- ▶ Have worn / defective gas struts replaced by qualified staff only.



The working range of the gas struts is:  
- 25°C to + 60°C.

Service life, functionality and safety depend largely on ensuring that the gas struts are serviced and maintained regularly.



Maintaining gas struts

1. Fastening
2. Gas strut (body)
3. Piston rod
4. Fixing system / fastening

- ▶ Secure the tailgate / front flap against dropping down when installing or removing gas pressure struts.
- ▶ Exchange worn gas struts in pairs.
- ▶ Only use gas struts of the same type - take note of the force information.

## 10 Troubleshooting



If a fault occurs, this table might help you to restore the specific operating functions of your livestock trailer. For further causes of faults and rectification measures, see the operating instruction manual "Trailers up to 3.5 to General Points - Part 1".



### WARNING



#### Unsecured trailer! Unexpected start!

Do not go under the chassis when troubleshooting. There is a danger of your being crushed if the trailer starts to move unexpectedly.

- ▶ Make sure that the trailer is secured so that it cannot roll away.

## 11 Decommissioning / disposal



Observe the safety instructions for decommissioning / disposal of trailers in the operating instruction manual "Trailers up to 3.5 to General Points - Part 1".

### 11.1 Decommissioning

- ▶ Secure your trailer against unauthorised use by third parties, e.g. using immobilisers.
- ▶ Park your trailer so that it cannot cause any further hazards for third parties, e.g. by tipping over, rolling away, or causing a traffic obstruction.

### 11.2 Disposal

- ▶ Bring the individual parts or the complete trailer to a car / vehicle recycling facility. The specialists at the car / vehicle recycling facility will dispose of the individual components in the proper manner.

| Malfunction   | Possible cause  | Solution   |
|---|---|--|
| Tailgate / front flap with gas struts can no longer be easily lifted. | - The force of the gas struts has decreased.<br>- The gas struts are defective. | ▶ Have the gas struts replaced or repaired in a specialist workshop.   |
| Revolving door at the rear or in front cannot be closed.              | - The hinges are worn out / deformed - the revolving door has settled.          | ▶ Slightly lift the revolving door when closing it.<br>▶ Have the deformed revolving door replaced or repaired in a specialist workshop. |

Troubleshooting table

Humbaur wishes you a pleasant & safe journey!



## Notes



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Deviations and modifications are subject to the model type.

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