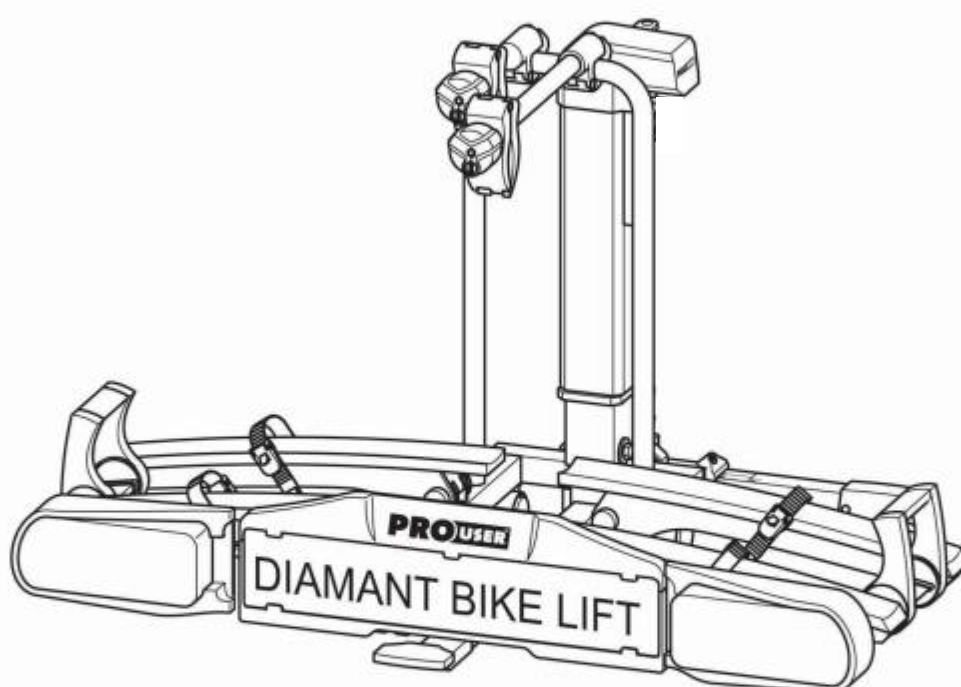


Bicycle carrier DIAMANT BIKE LIFT

Operating instructions



DIAMANT BIKE LIFT
Item no. 91732

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Details about this Instruction Manual

Foreword

This instruction manual helps you with the

- Proper and
- Safe

Use of the DIAMANT BIKE LIFT bicycle carrier.

Obligations Concerning the Handling of this Instruction Manual

Any person who

- Fits,
- Cleans or
- Disposes of

This bicycle carrier must have noted and understood the complete content of this instruction manual.

Always keep this instruction manual to hand and in a safe place. If the bicycle carrier is passed on, pass on the instruction manual with it.

Proper Use

The DIAMANT BIKE LIFT bicycle carrier serves to transport a maximum of two bicycles. It may be fitted only on tow hitches that meet the requirements specified in the chapter on Coupling Requirements.

Moreover, under no circumstances is the maximum permitted load of the bicycle carrier to be exceeded.

Proper use also includes adherence to all information in these fitting instructions and particularly adherence to the safety instructions. Any other use is considered to be improper and may cause damage to property or injury to people.

Tradekar Benelux BV accepts no liability for damages caused by improper use.

Explanation of the Safety Instructions

The following categories of safety instructions can be found in the instructions:



DANGER

Instructions with the signal word DANGER warn of a hazard with a high risk level.

If it is not avoided then it will result in death or serious injury.



WARNING

Instructions with the signal word WARNING warn of a potential hazard with a medium risk level.

If it is not avoided then it may result in death or serious injury.



CAUTION

Instructions with the signal word CAUTION warn of a potential hazard with a low risk level.

If it is not avoided then it may result in minor or moderate injury.



ATTENTION

Instructions with the word ATTENTION warn of a risk with potential damage to property.

If it is not avoided then the product or something nearby may be damaged.



NOTE

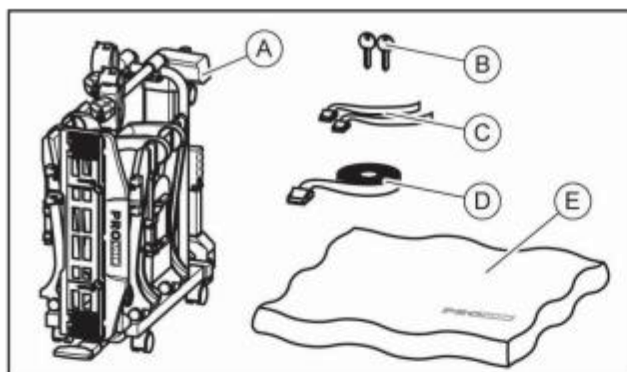
Other instructions:

Useful tip. Makes operation or fitting of the product easier or gives a better understanding.

The respective safety symbol used does not replace the text of the safety instruction.

You must therefore read the safety instruction and follow it exactly!

Delivery Contents



- A = Bicycle carrier
 B = 2 keys
 C = 2 safety belts for front wheels
 D = 1 safety belt for bicycle frames
 E = Protective cover

Technical Specifications

Material:	Aluminium Steel Plastic
Dead weight:	25 kg
Max. load:	60 kg
Power consumption, average:	2 A
Power consumption, maximum:	5,5 A
Dimensions (WxHxD), minimum:	30 × 74 × 74 cm
Dimensions (WxHxD), maximum:	135 × 74 × 74 cm
Packaging size (WxHxD):	81 × 77 × 33 cm

Do not exceed the max. load of the bicycle carrier and the permitted tongue load of the tow hitch!
 The total permitted weight and permitted axle load of the vehicle must not be exceeded with the bicycle carrier and load.

Examples for DIAMANT BIKE LIFT

Max. tow hitch tongue load	Bicycle carrier dead weight	Max. load on the bicycle carrier
50 kg	25 kg	25 kg
60 kg	25 kg	35 kg
75 kg	25 kg	50 kg
90 kg	25 kg	max. 60 kg !

Coupling Requirements



DANGER

The tow hitch breaking can cause injury to people.

The coupling may break as a result of fitting the bicycle carrier on a coupling in a material that is too soft.

- ⇒ Fit the bicycle carrier only on a coupling made of St52 steel, GG52 grey cast iron or better quality.
- ⇒ Never fit the carrier on a coupling made of aluminium, other light metals or plastic.

Coupling Requirements

Fit the bicycle carrier only on tow hitches with the following properties:

Material:.....Min. St52 steel or GG52 grey cast iron

Dvalue..... ≥ 7,6 kN

Follow the instructions of the coupling manufacturer.

Safety Instructions

Follow the fitting instructions exactly. Not following the instructions can cause injury to people and damage to property.

If you are unsure when fitting, please ask your dealer or the manufacturer for further information. Neither the manufacturer nor the dealer is liable for damages due to improper use or incorrect fitting. Check the bicycle carrier and its load regularly! You have an obligation to do this and will be held responsible in the case of damage.



NOTE

A European operating licence is in place for this bicycle carrier. It is enclosed with this carrier and must be carried when the carrier is used.



NOTE

When driving with the bicycle carrier fitted, the legal requirements and regulations on transporting goods behind your vehicle apply.



WARNUNG

Driving with the bicycle carrier affects the handling properties of your vehicle.

Injury to people or damage to property due to altered vehicle behaviour.

- ⇒ Adjust your driving speed to the new vehicle behaviour.
- ⇒ Never drive faster than 130 km/h.
- ⇒ Avoid sudden and jerky steering movements.
- ⇒ Be aware that your vehicle is longer than usual.



WARNUNG

Parts that protrude beyond the edge of the vehicle or bicycle carrier may cause injury to people or damage to property during the journey.

Injury to people or damage to property due to protruding parts.

- ⇒ Fit only parts that do not protrude beyond the edge of the vehicle.



WARNING

Exceeding the max. load of the bicycle carrier and the permitted tongue load of the tow hitch or the total permitted weight can cause serious accidents.

Injury to people or damage to property due to overloading.

- ⇒ You must observe the specifications of the max. load, permitted tongue load and total permitted weight of your vehicle. Do not exceed these specifications in any circumstances!



WARNING

Travelling without safety belts can cause accidents.

Injury to people or damage to property due to loss of the bicycles.

- ⇒ Before beginning each journey, check that the belt around the bicycles and the carrier U-bracket is sitting correctly and securely, see chapter on "Attaching Bicycles".
- ⇒ Before beginning each journey, check that both belts around the front wheel and the belt around the back wheel of the bicycle are sitting correctly and securely.
- ⇒ Retighten the belts if necessary.
- ⇒ Before beginning each journey, check that the belts used are undamaged and unworn.
- ⇒ Replace damaged or worn belts with undamaged belts before beginning the journey. Use only belts that are approved by Tradekar Benelux BV for the purpose.



WARNING

Driving with the bicycle carrier folded up can cause accidents.

The moving parts of the bicycle carrier represent a safety hazard when not fully fitted.

Injury to people or damage to property due to incompletely fitted bicycle carrier.

- ⇒ Remove the bicycle carrier when you do not need it.
- ⇒ Never drive with the bicycle carrier folded up.



WARNING

Tarpaulins increase the air resistance. They can become detached and fly around, which can cause serious accidents.

Injury to people or damage to property due to tarpaulins.

⇒ Do not use tarpaulins.



WARNING

The carrier sits on the coupling properly only after fixing and a few kilometres travelled.

Injury to people or damage to property due to loss of the bicycle carrier.

⇒ Check that the carrier fixing is sitting properly after a few kilometres.

⇒ Refit if it is sitting loosely.



WARNING

Driving on rough terrain with the bicycle carrier fitted can cause the carrier to break off.

Injury to people or damage to property due to the bicycle carrier breaking off.

⇒ Do not use the bicycle carrier on rough terrain.



ATTENTION

The boot lid could hit the bicycle carrier and be damaged.

Damage to property due to boot lid opening.

⇒ Switch off electric boot lids and operate manually.

⇒ Fold down the bicycle carrier before opening the boot lid.



ATTENTION

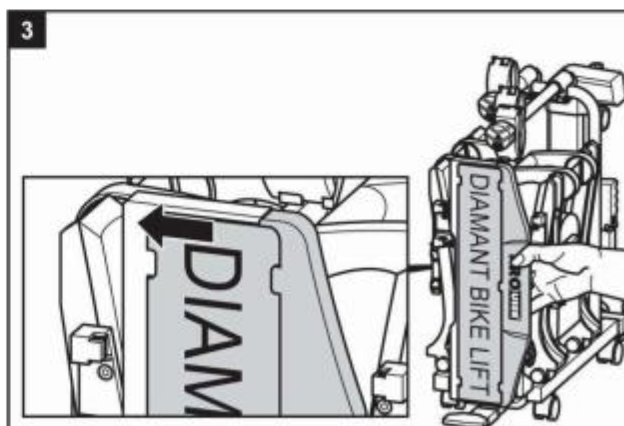
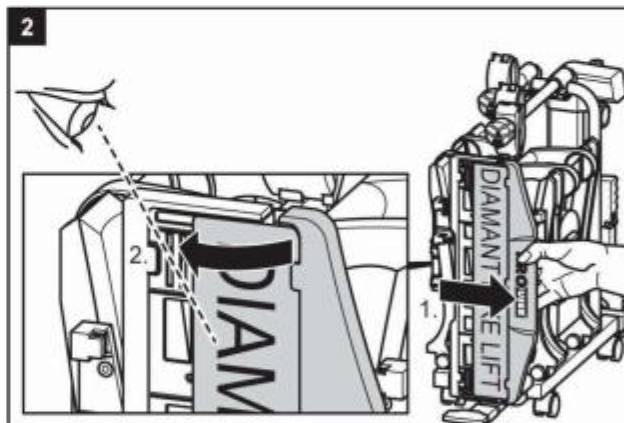
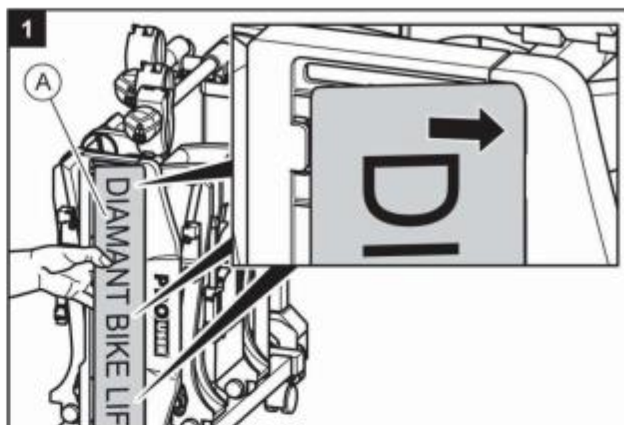
The carrier or bicycles could be damaged if they are directly adjacent to the exhaust outlet.

Damage to property due to hot exhaust gases.

⇒ Use an exhaust embellisher if necessary

Before Initial Use

Fitting the Number Plate on the Bicycle Carrier



Fitting and Use

Fitting the Bicycle Carrier on the Tow Hitch

- ⇒ Park your vehicle on a flat surface.
- ⇒ Apply the handbrake.

Different fitting options

You can fit the bicycle carrier on the tow hitch in two different ways.

1. Manually lift the bicycle carrier onto the tow hitch.
 Advantage: Quick fitting.
 Disadvantage: Greater effort required than for fitting with the integrated motor.
 ⇒ Follow steps 1 – 6 and 17 – 23 in this chapter.
2. Lift the bicycle carrier onto the tow hitch using the integrated motor.
 Advantage: Only minimal effort required
 Disadvantage: Longer fitting time compared with manual fitting.
 ⇒ Follow steps 1 – 2 and 7 – 23 in this chapter.



WARNING

Damage to the carrier, e.g. due to bent parts, cracks or scratches, precludes safe functioning of the carrier.

Injury to people or damage to property due to damaged bicycle carrier.

- ⇒ Do not fit the bicycle carrier if there is any damage.
- ⇒ Proceed as described in the chapter on Maintenance.



WARNING

An unclean or damaged connection between the bicycle carrier and the tow hitch can cause the bicycle carrier to become detached.

Injury to people or damage to property due to loss of the bicycle carrier during the journey.

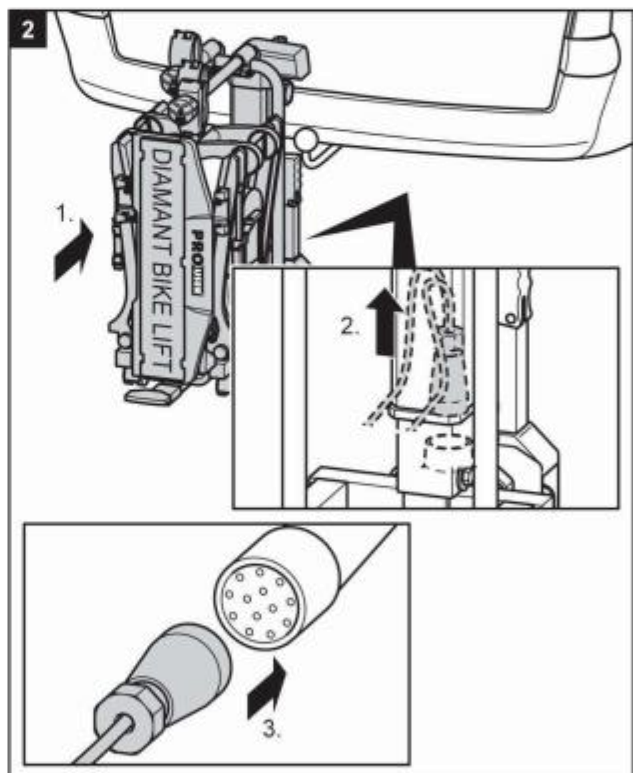
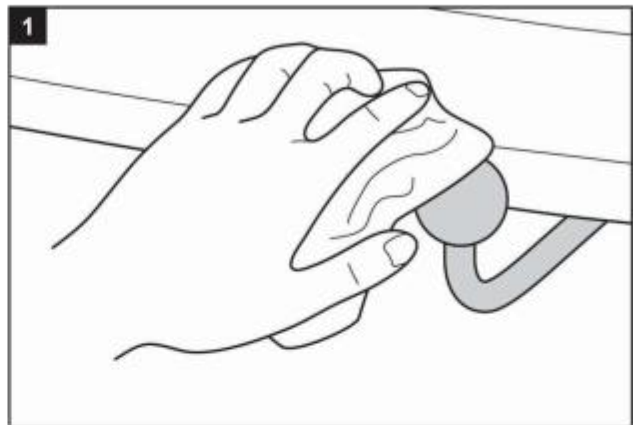
- ⇒ Replace a damaged tow hitch.
- ⇒ Clean dirt, dust and grease from the tow hitch.



NOTE

Couplings often have a coating layer on the tow ball.

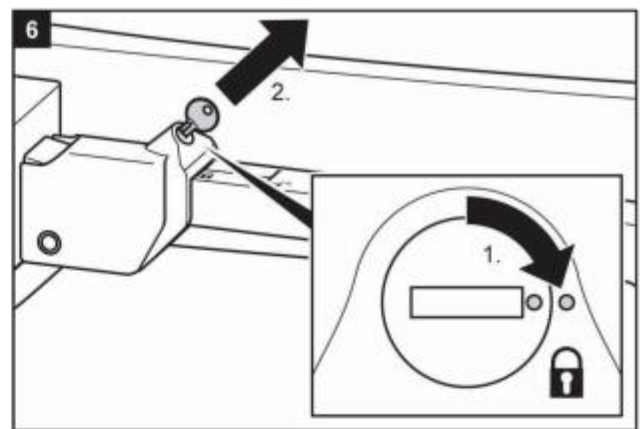
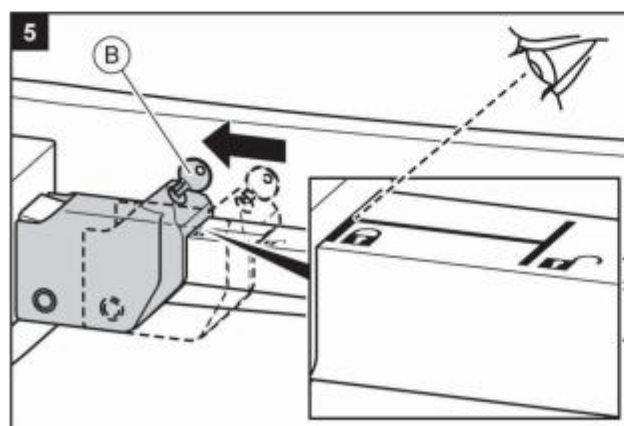
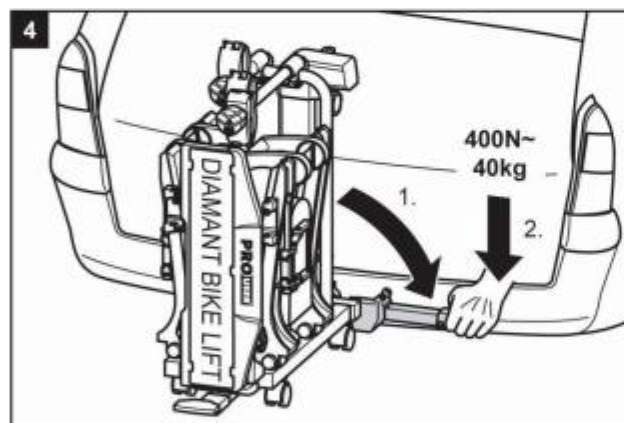
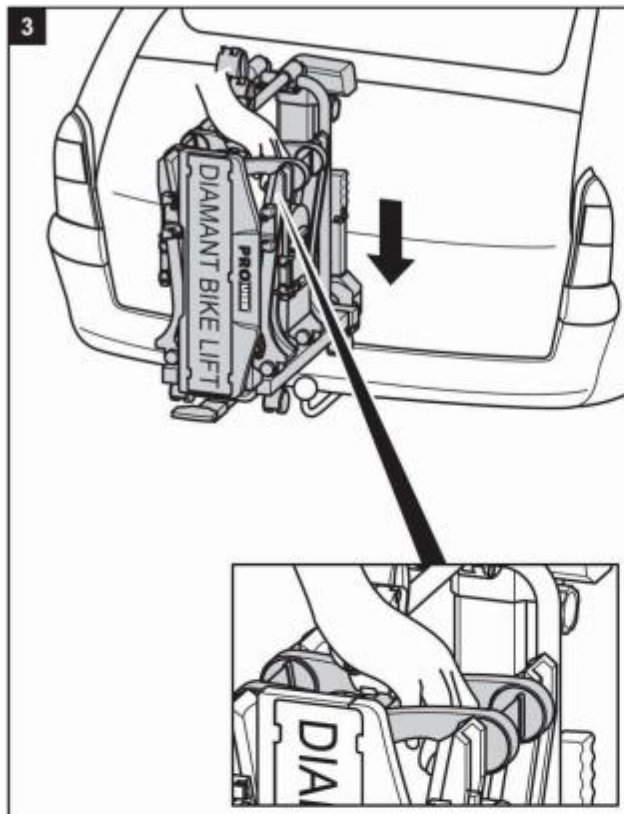
To hold the bicycle carrier optimally, this coating layer must be removed carefully. Follow the instructions of the coupling manufacturer.



- ⇒ **3** If lifting manually, follow the next step.

- ⇒ **7** If lifting with the integrated motor, continue from step 7.

Lifting the Bicycle Carrier onto the Tow Hitch Manually.



WARNING

If the lever is not locked to secure it, the bicycle carrier could become detached from the vehicle during the journey.

Injury to people or damage to property due to unsecured bicycle carrier.

- ⇒ Lock the bicycle carrier.
- ⇒ Check that you have locked the lever and removed the key.

Locking also prevents potential theft of the bicycle carrier.



WARNNGI

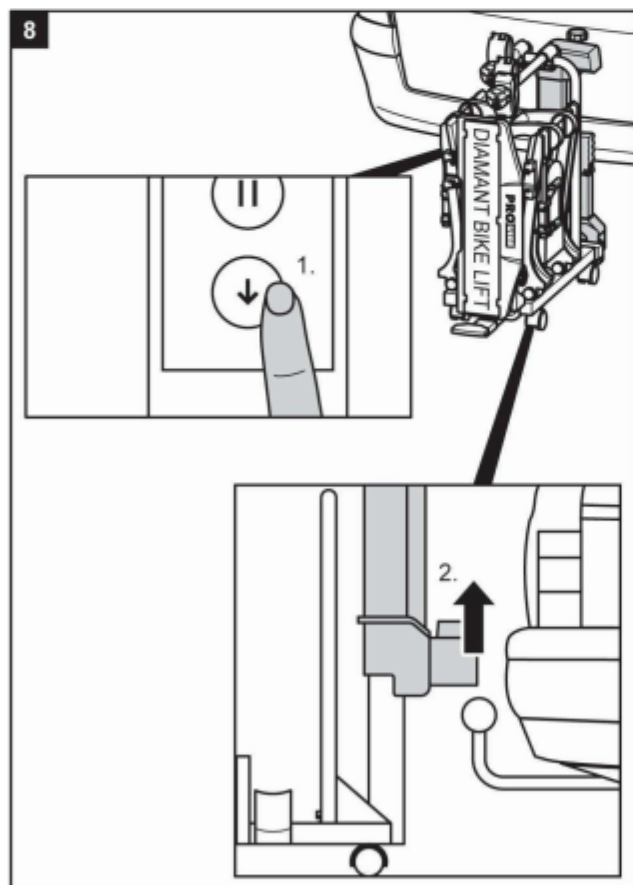
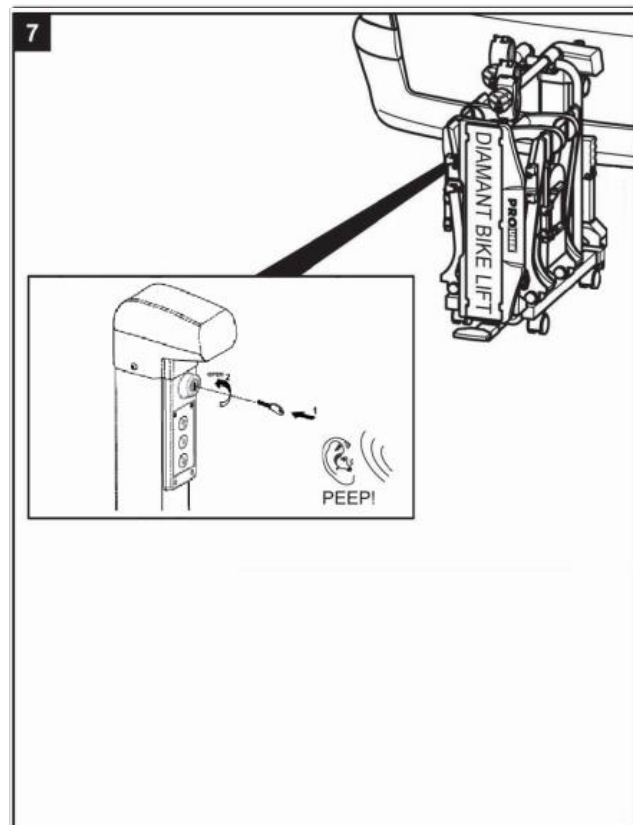
A loose connection between the carrier and the tow hitch can cause the bicycle carrier to become detached.

Injury to people or damage to property due to loss of the bicycle carrier during the journey.

- ⇒ Check that the bicycle carrier is fixed securely.
- ⇒ If the connection is loose, repeat steps 3 to 6. If no improvement occurs, the quick-release mechanism may require adjustment; see the chapter on Maintenance.

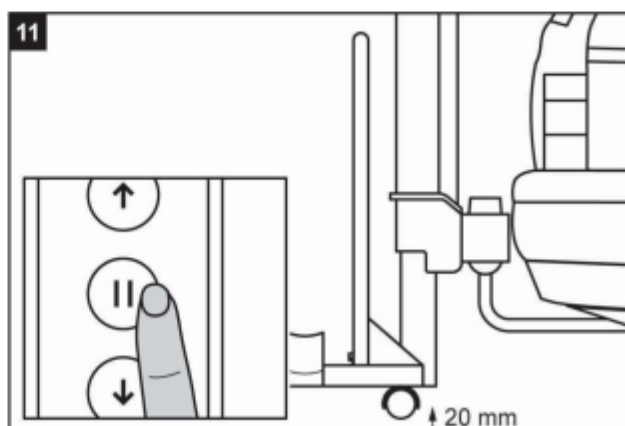
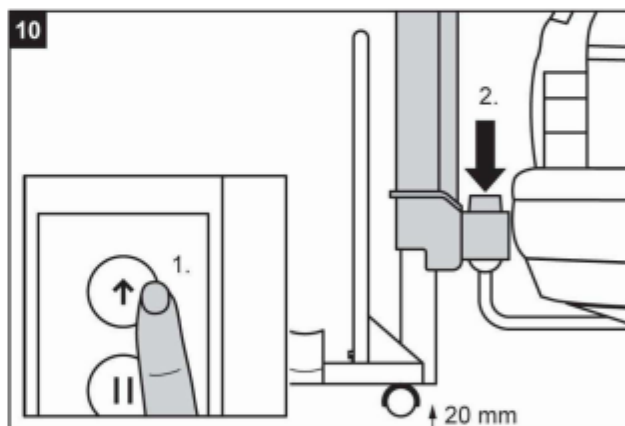
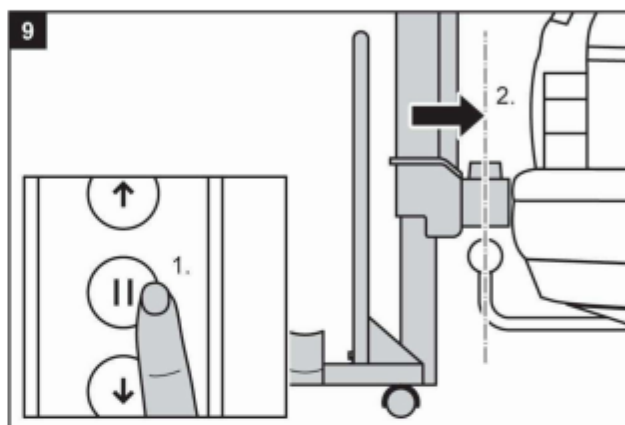
⇒ **17** From here, follow step 17 in this chapter.

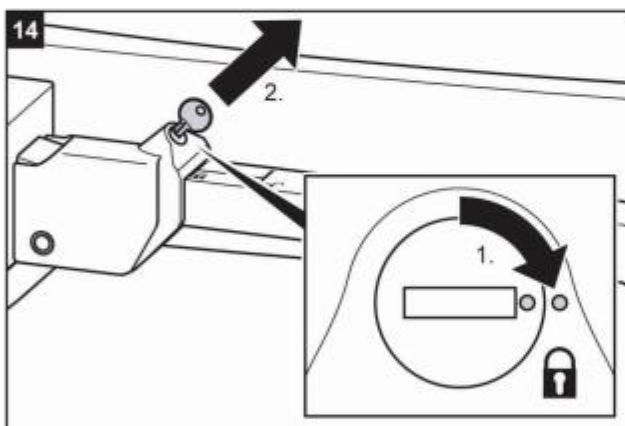
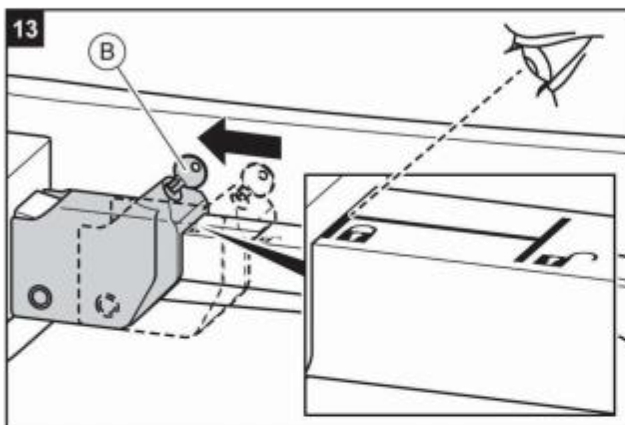
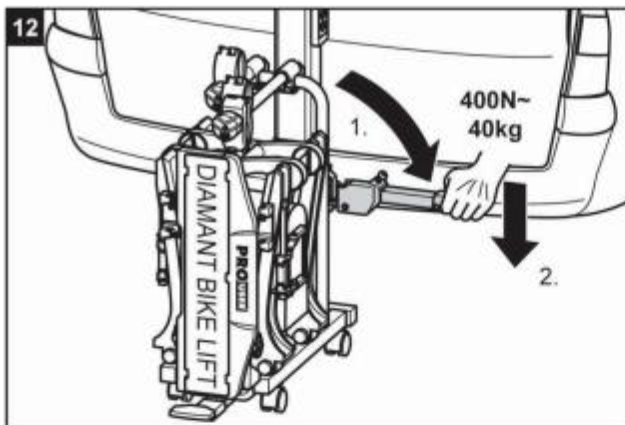
Lifting the Bicycle Carrier onto the Tow Hitch with the Integrated Motor.



NOTE

In rare cases it might not be possible to extend the bike carrier sufficiently as described in step 9 so that it can be pushed over the ball hitch of towing device. In this case, please tilt the bike carrier partway down to achieve the necessary coupling height.





WARNING

If the lever is not locked to secure it, the bicycle carrier could become detached from the vehicle during the journey.

Injury to people or damage to property due to unsecured bicycle carrier.

- ⇒ Lock the bicycle carrier.
- ⇒ Check that you have locked the lever and removed the key.

Locking also prevents potential theft of the bicycle carrier.

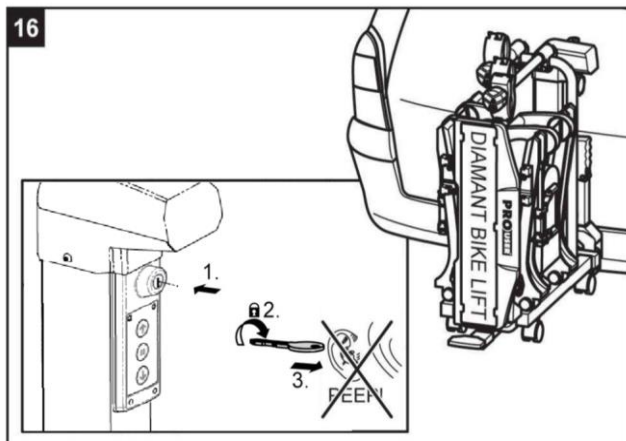
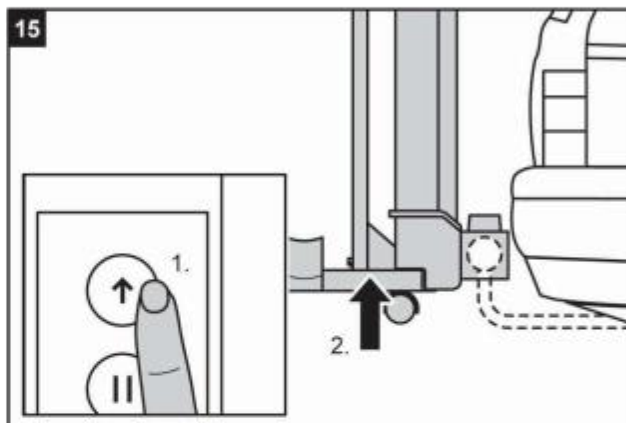


WARNING

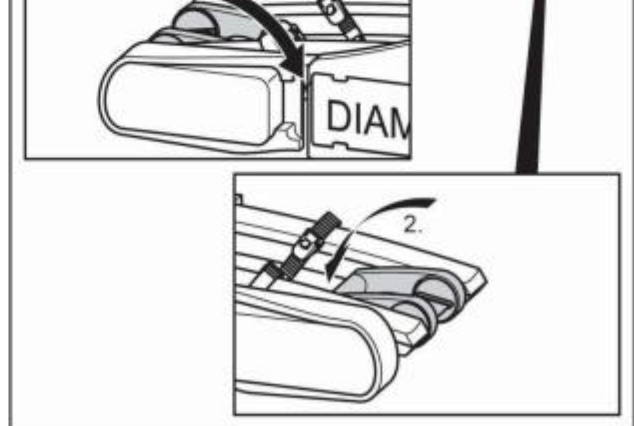
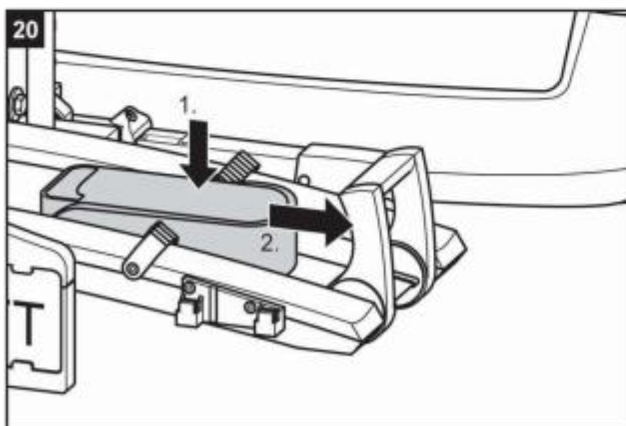
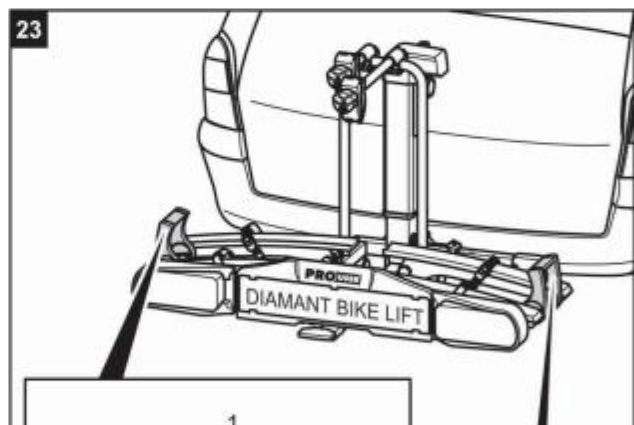
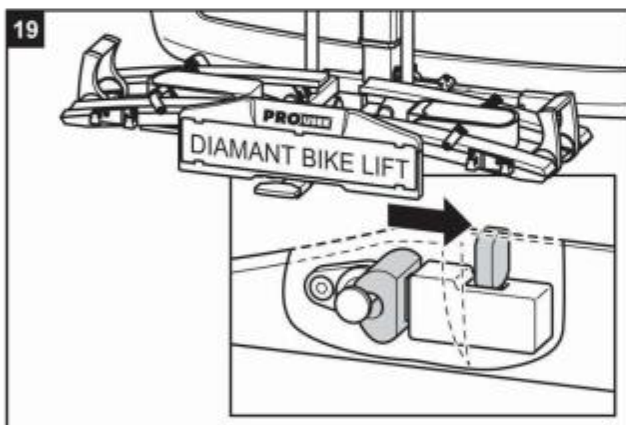
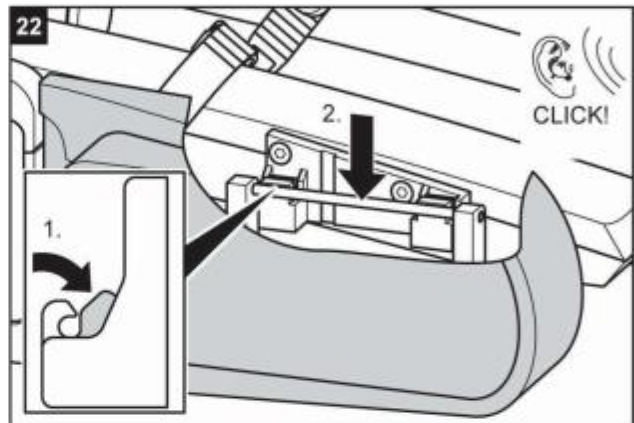
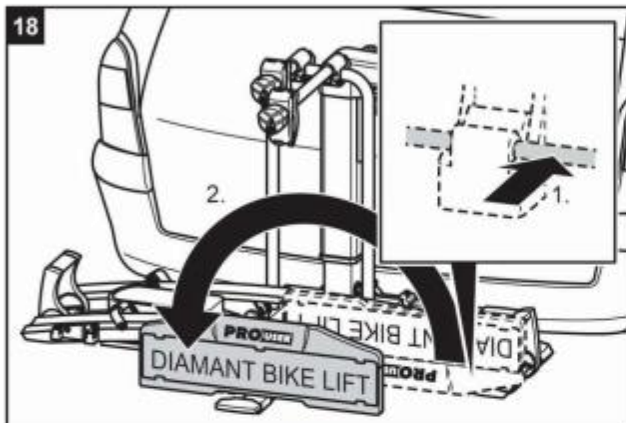
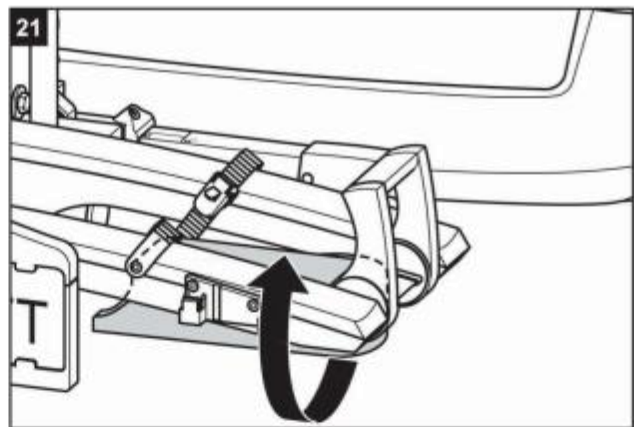
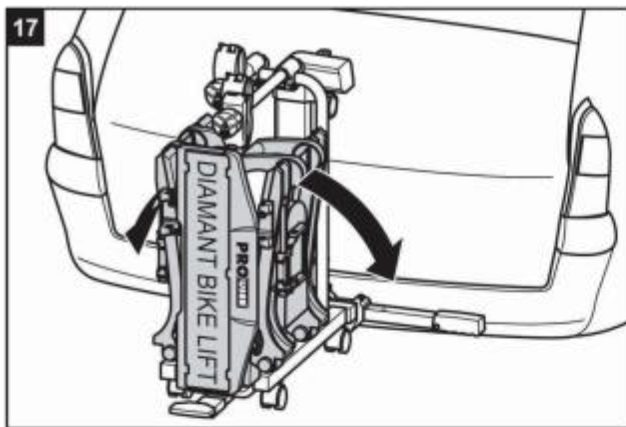
A loose connection between the carrier and the tow hitch can cause the bicycle carrier to become detached.

Injury to people or damage to property due to loss of the bicycle carrier during the journey.

- ⇒ Check that the bicycle carrier is fixed securely.
- ⇒ If the connection is loose, repeat steps 1 to 14. If no improvement occurs, the quick-release mechanism may require adjustment; see the chapter on Maintenance.



- ⇒ From the following step, the fitting sequence is identical for manual and automatic lifting.



**WARNING**

Driving without a working lighting system can cause accidents.

Injury to people due to not being seen by other road users.

- ⇒ Before beginning each journey, check that the lighting system is working correctly.
- ⇒ Replace any defective bulbs.
- ⇒ Check the connection between the plug and the coupling.

Lowering and Raising the Bicycle Carrier

Lowering the Bicycle Carrier

**WARNING**

An unraised or unsecured bicycle carrier can become caught on obstacles.

Injury to people or damage to property due to loss of the bicycle carrier during the journey.

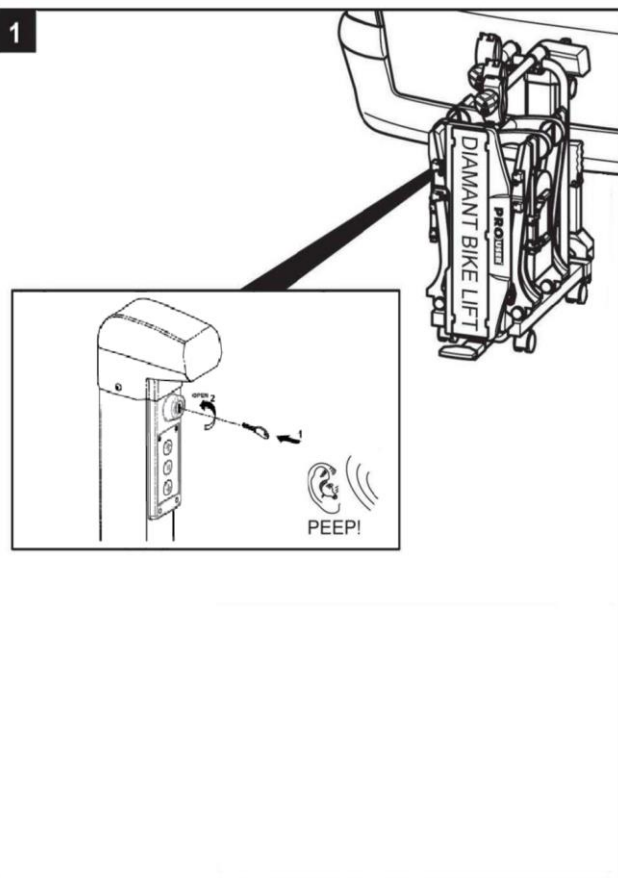
- ⇒ Raise the bicycle carrier to the end position before each journey.
- ⇒ Ensure that you secure the bicycle carrier with the keyswitch, as described under "Raising the Bicycle Carrier".

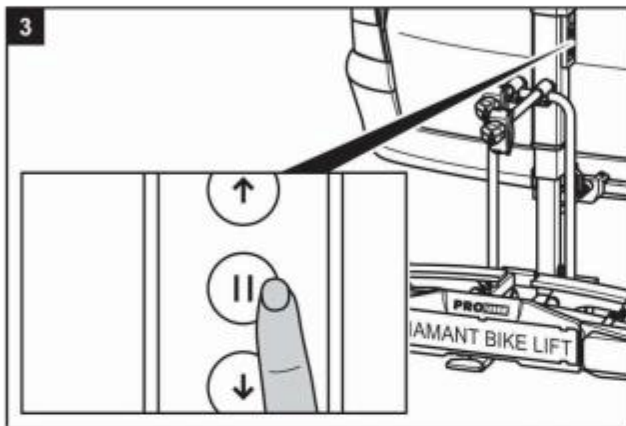
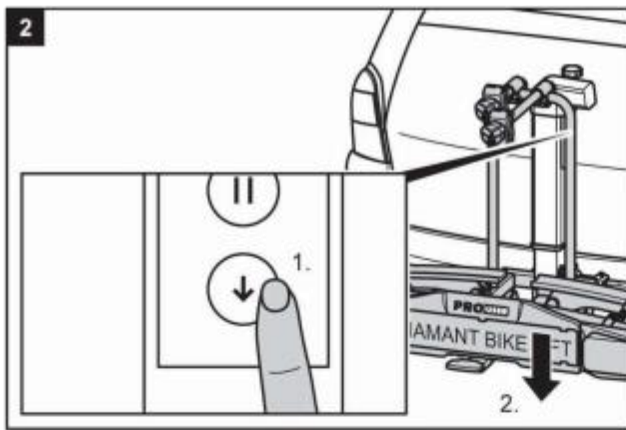
**CAUTION**

Body parts or objects that are under the carrier when it is lowered may be crushed.

Injury to people or damage to property due to lowering the carrier.

- ⇒ Ensure that there is nothing under the carrier.
- ⇒ Watch out for your body; maintain a safe distance.





Raising and Securing the Bicycle Carrier

- ⇒ Raise the bicycle carrier until it stops.
- ⇒ Pull the key out of the switch lock.
After removing the key, the warning tone stops and controlpanel lights turn off.

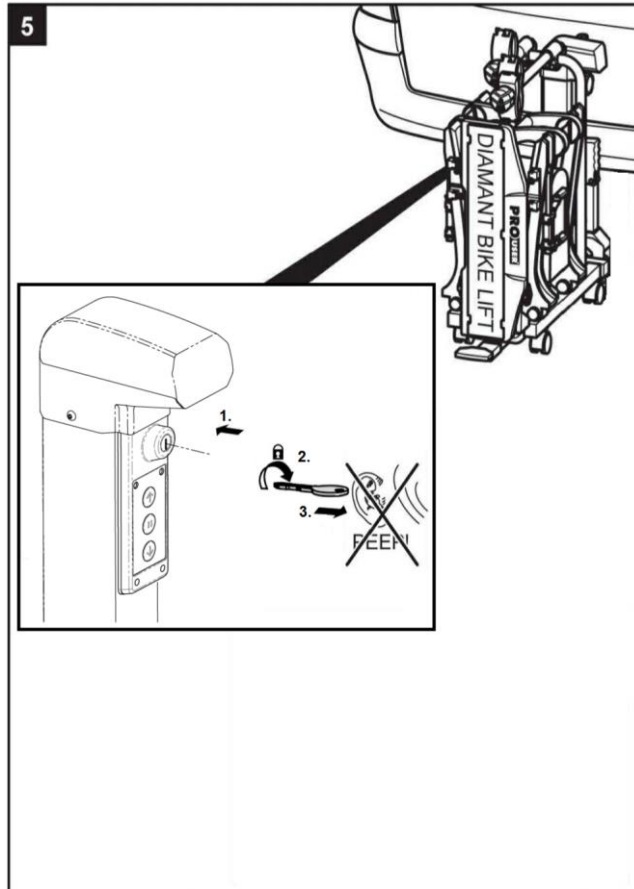
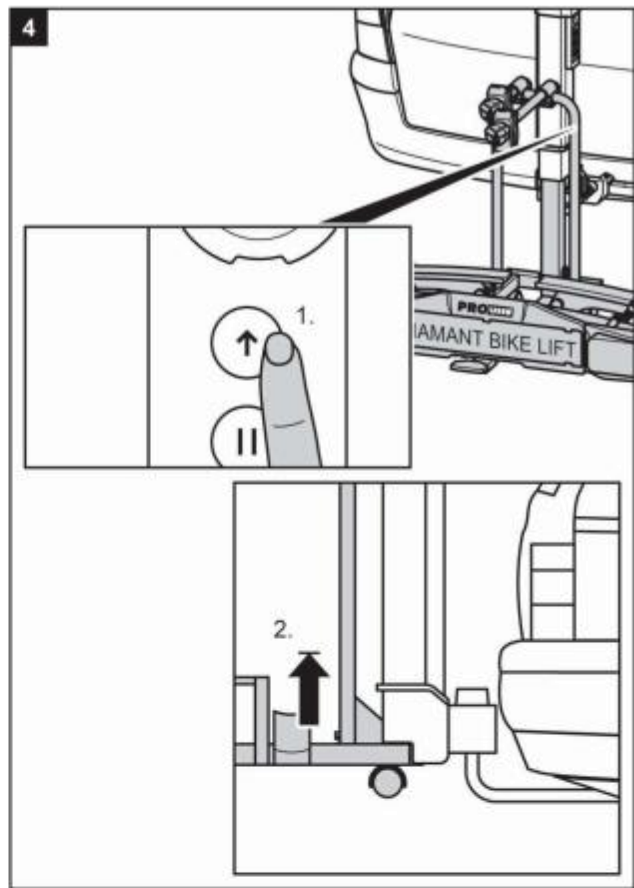


WARNING

Lowering the carrier during the journey can cause serious accidents

Injury to people or damage to property due to lowering the carrier during the journey.

- ⇒ Might the Bikelift not have raised to the end position a warning tone sounds.
- ⇒ Release the keyswitch and restart the raising until the endposition is reached.
The warningtone will shut down.
- ⇒ In the end position, lock the system and make sure the key is removed and stored properly.



Attaching Bicycles

- ⇒ Start by lowering the holding area for the bicycles, as described in the chapter on "Lowering the Bicycle Carrier".



WARNING

Parts on the bicycles that are not screwed on securely can become detached during the journey.

Injury to people or damage to property is possible due to parts flying around.

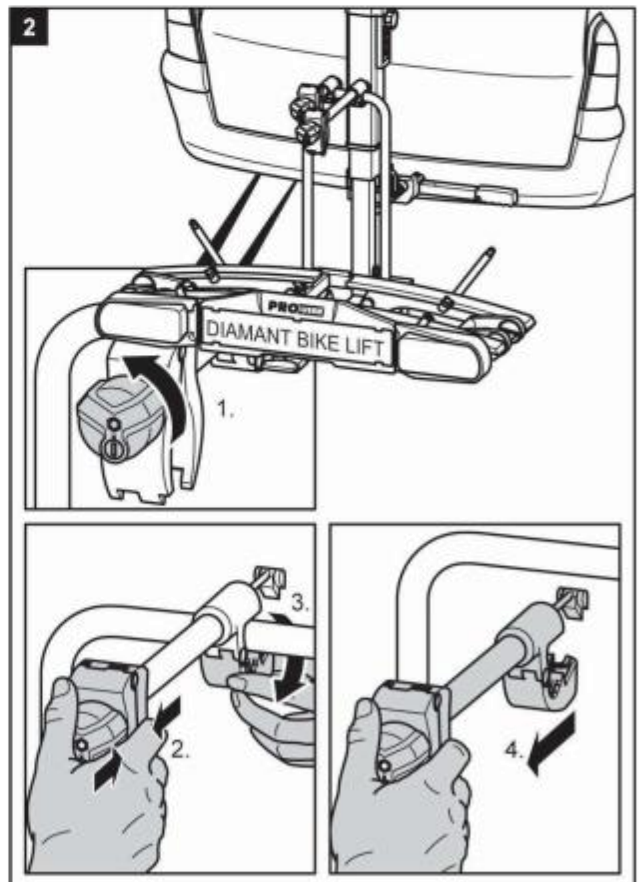
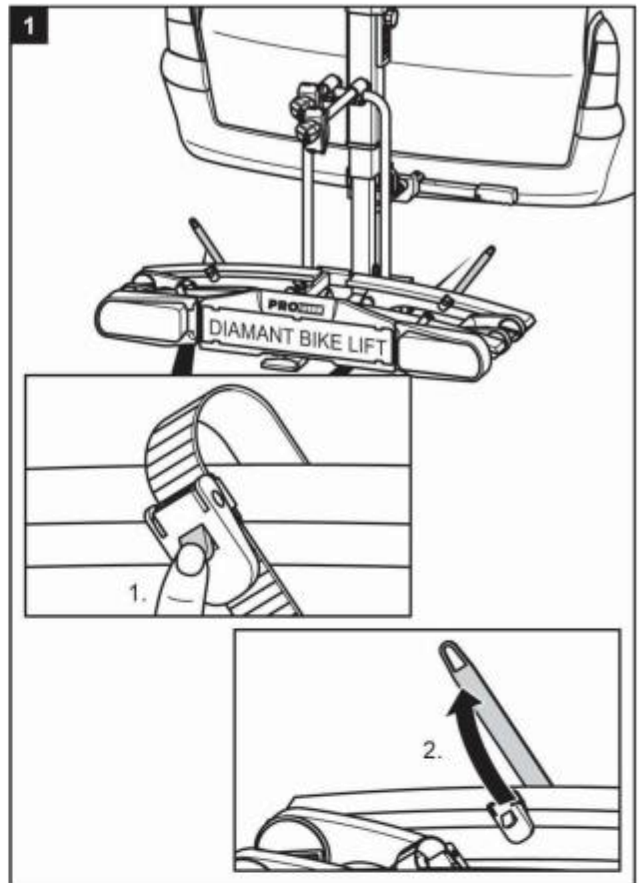
- ⇒ Remove all parts that are not securely connected to the bicycle, e.g. air pumps, panniers, navigation devices or batteries.
- ⇒ Also remove all parts that generate additional resistance, e.g. such as luggage baskets and child seats.

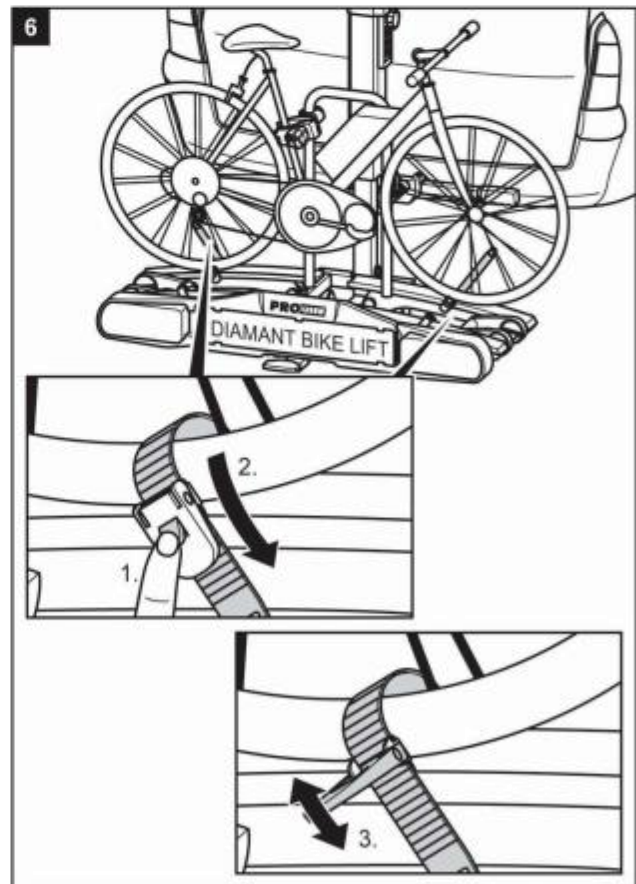
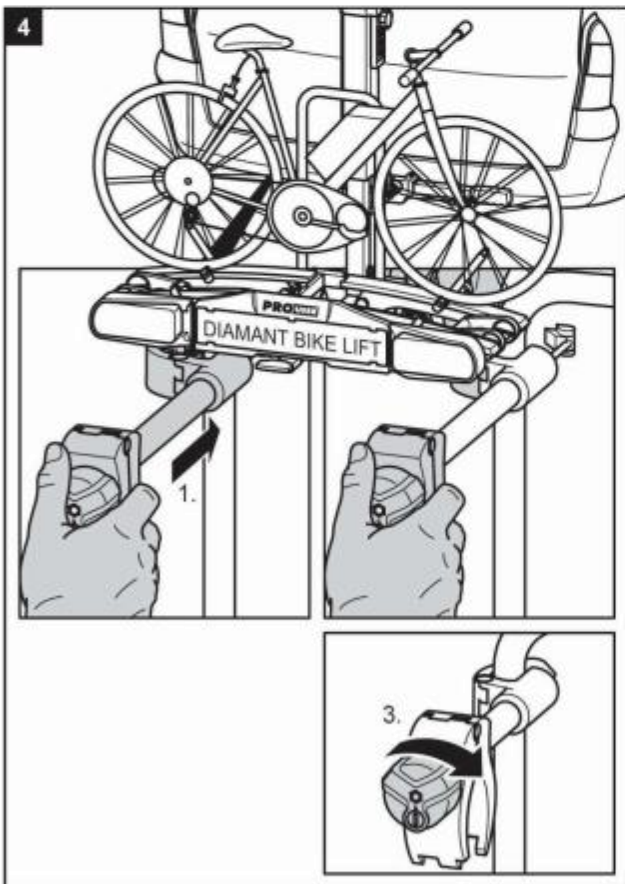
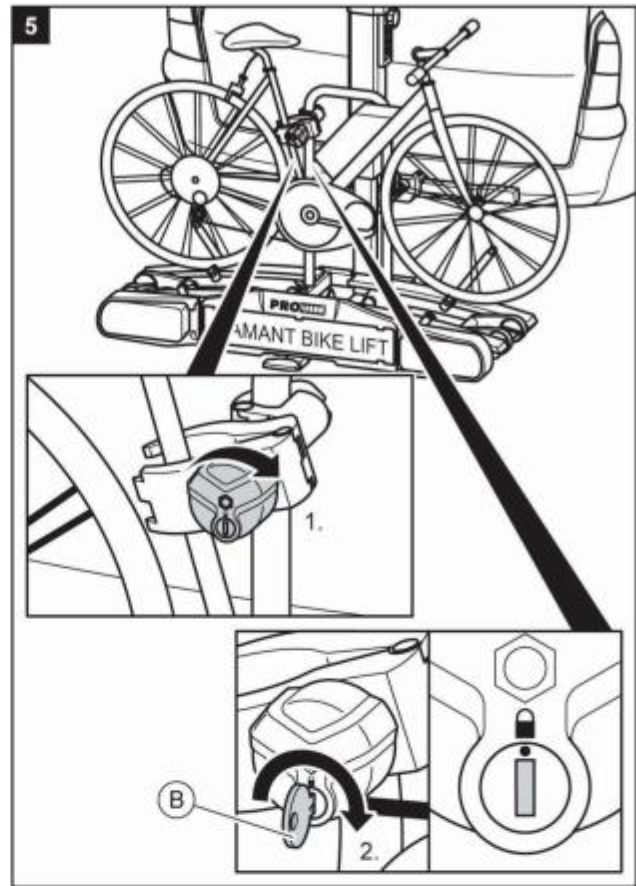
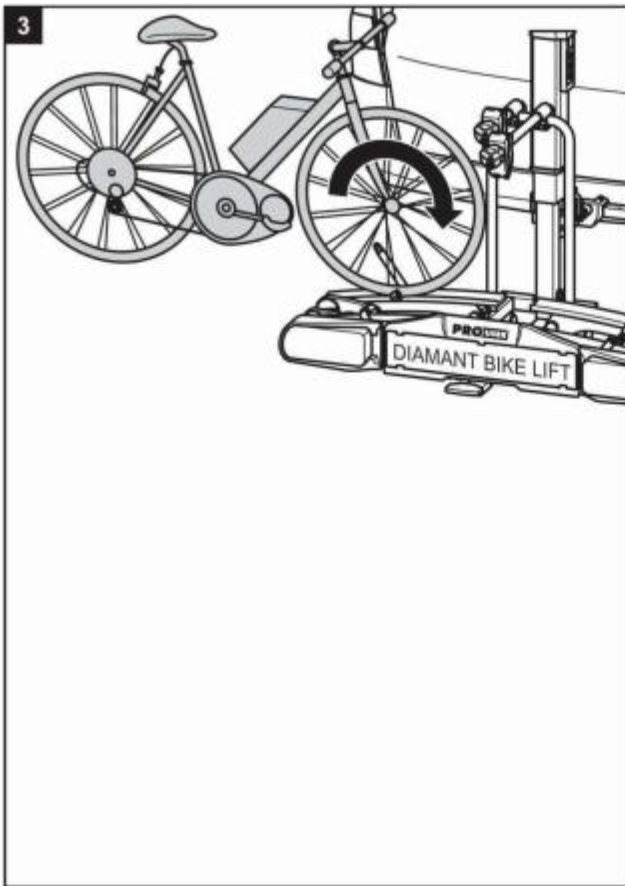


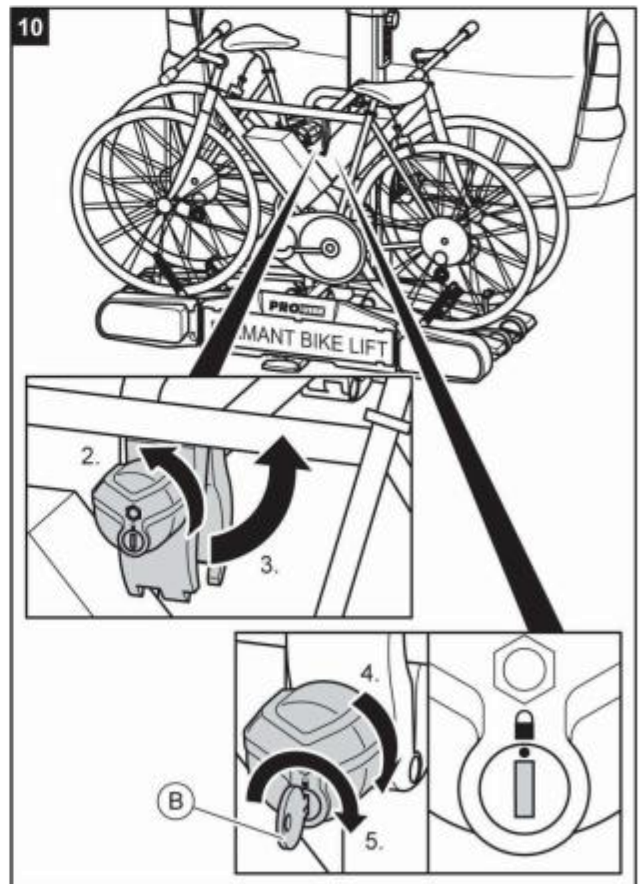
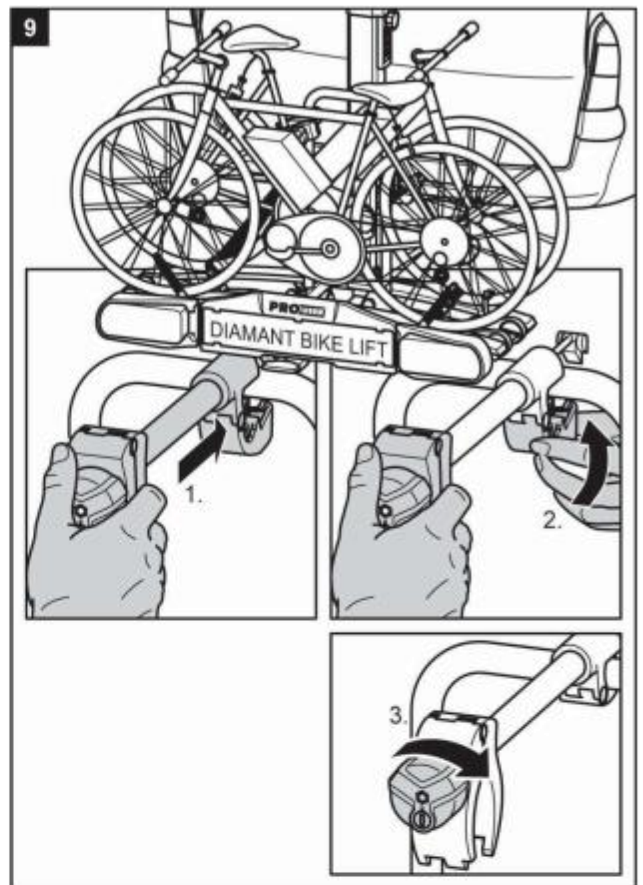
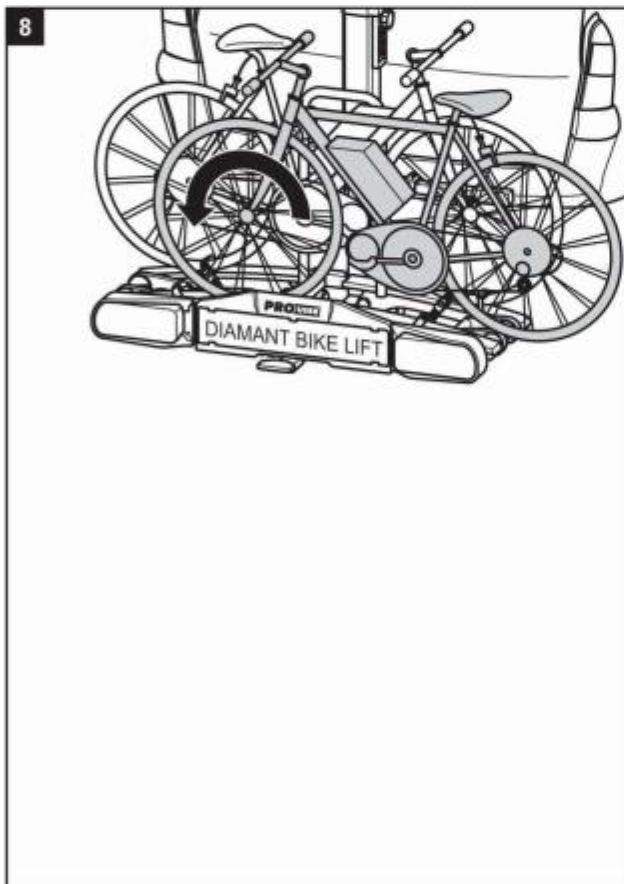
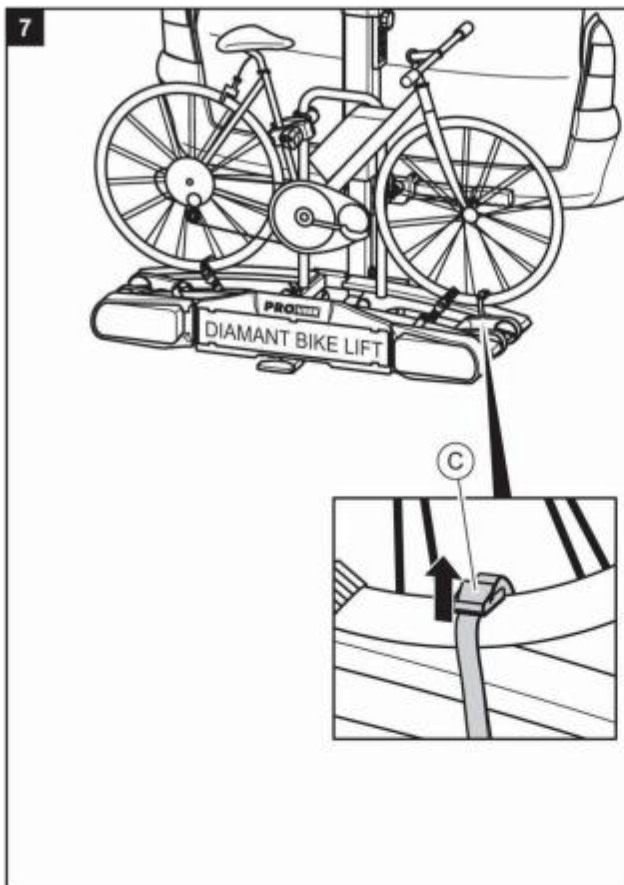
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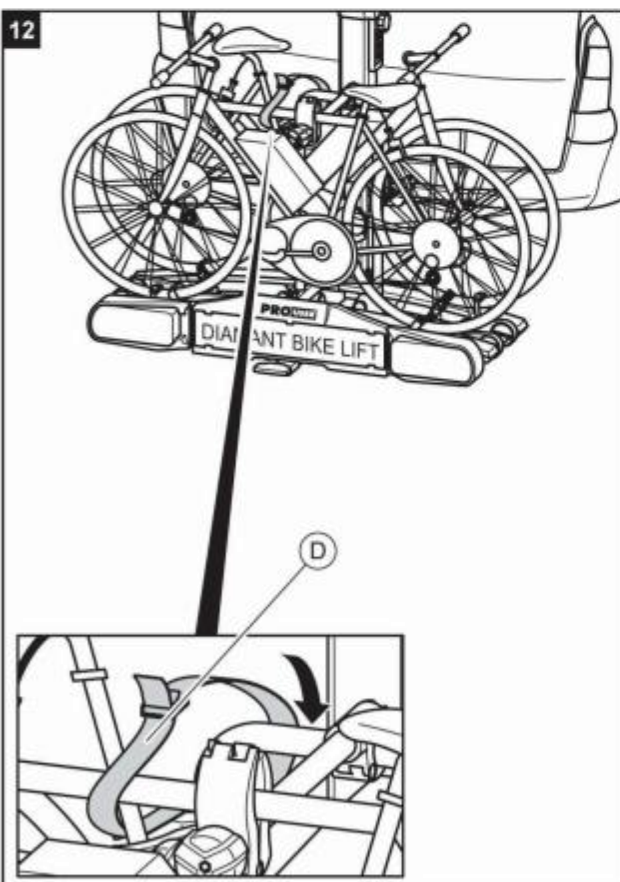
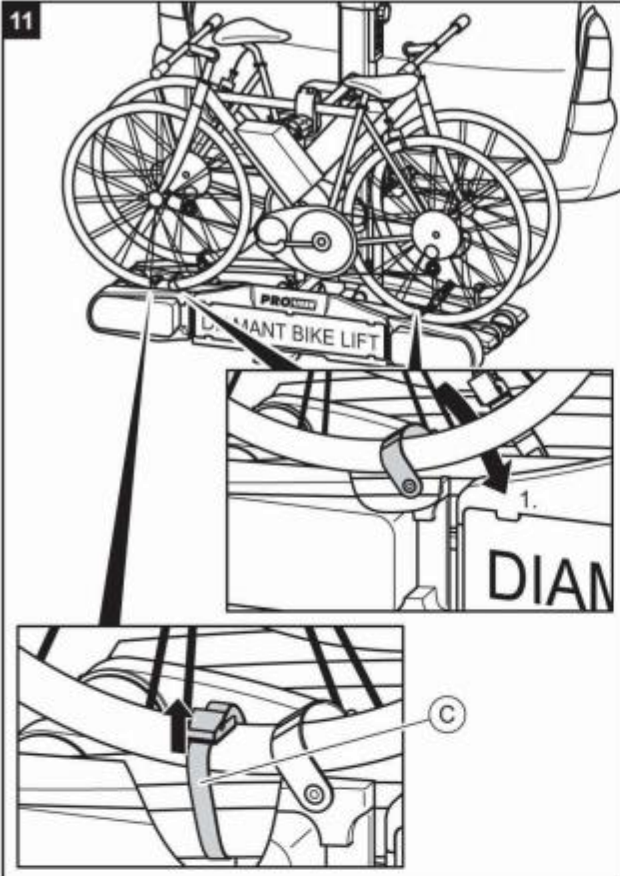
To improve the handling of your vehicle, it is best to fit the heaviest bicycle first.

Also, if you are fitting only one bicycle, you should place the bicycle in the rail that is closest to the rear of the vehicle.









WARNING

Travelling without safety belts can cause accidents.

Injury to people or damage to property due to loss of the bicycles.

- ⇒ Before beginning each journey, check that the belt around the bicycles and the carrier U-bracket is sitting correctly and securely, see step 12 in this chapter.
- ⇒ Before beginning each journey, check that both belts around the front wheel and the belt around the back wheel of the bicycle are sitting correctly and securely
- ⇒ Retighten the belts if necessary.
- ⇒ Before beginning each journey, check that the belts used are undamaged and unworn
- ⇒ Replace damaged or worn belts with undamaged belts before beginning the journey. Use only belts that are approved by Tradekar Benelux BV for the purpose.



WARNING

A loose connection between the carrier and the bicycle can cause the connection to become detached and loss of the bicycle.

Injury to people or damage to property due to loss of a bicycle during the journey.

- ⇒ Check that the bicycles are fixed securely and fully.
- ⇒ If the connection is loose, repeat steps 1 to 12 from this chapter.

⇒ Now raise the bicycle carrier as described in the chapter on "Raising the Bicycle Carrier".



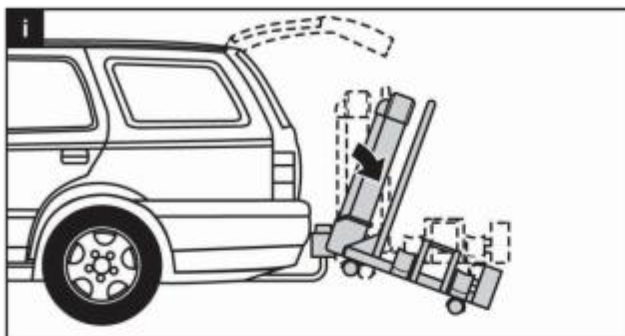
WARNING

An unraised or unsecured bicycle carrier can become caught on obstacles.

Injury to people or damage to property due to loss of the bicycle carrier during the journey.

- ⇒ Raise the bicycle carrier to the end position before each journey.
- ⇒ Ensure that you secure the bicycle carrier with the keyswitch.

Tilting the Bicycle Carrier, Access to the Boot



CAUTION

The boot lid could hit the bicycle carrier and be damaged.

Damage to property due to boot lid opening.

- ⇒ Switch off electric boot lids and operate manually.
- ⇒ Fold down the bicycle carrier before opening the boot lid.

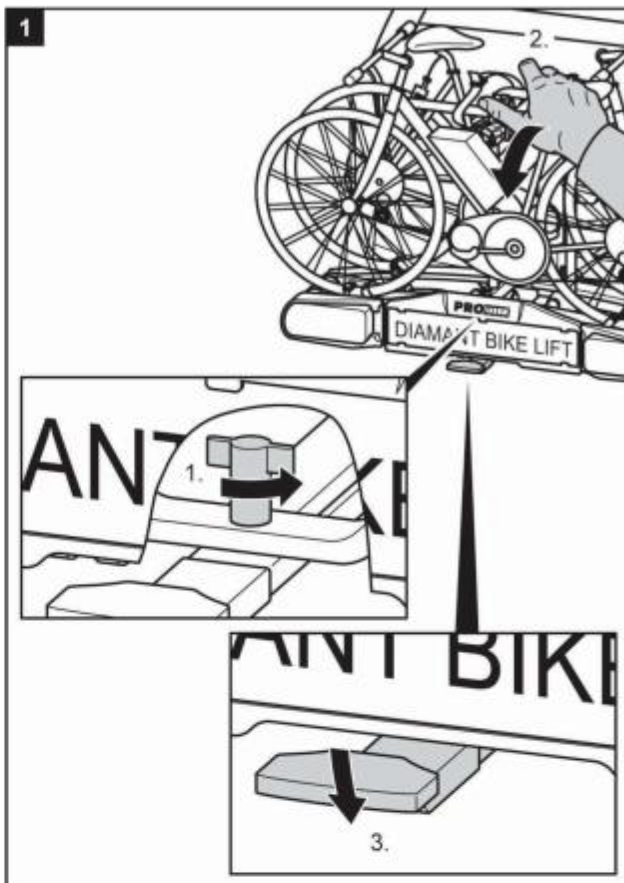


CAUTION

Injury to people or damage to property due to sudden folding down.

Body parts or objects that are under or in front of the carrier when it is folded down may be crushed.

- ⇒ Ensure that there is nothing under the carrier.
- ⇒ Watch out for your body and particularly your head; maintain a safe distance.
- ⇒ Release the lock (1.). Hold the carrier on the U-bracket when folding down (2.). Release the lock with a foot (3.) and tilt the carrier down with a hand.

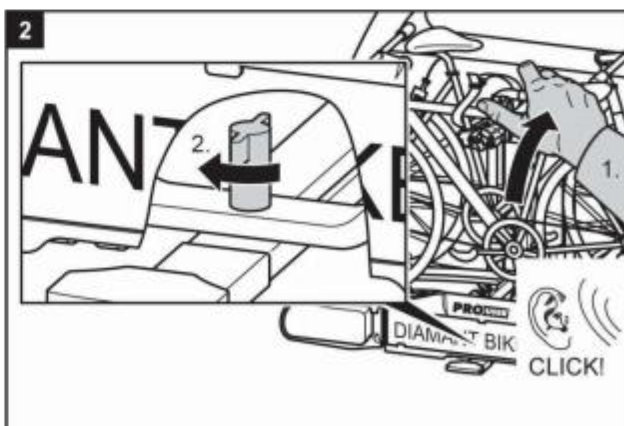


CAUTION

Injury to people or damage to property possible by folding up.

Body parts or objects that are between the carrier and the vehicle may be crushed.

- ⇒ Ensure that there is nothing between the carrier and the vehicle.
- ⇒ Remove everything from the space between the carrier and the vehicle.



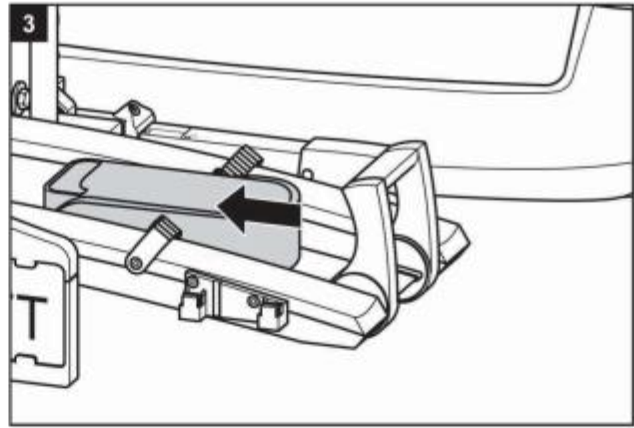
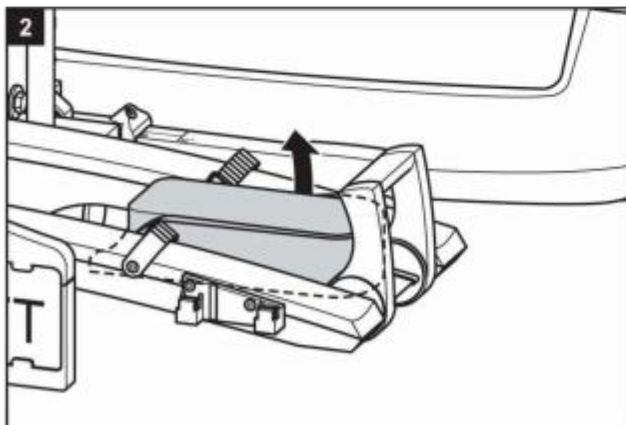
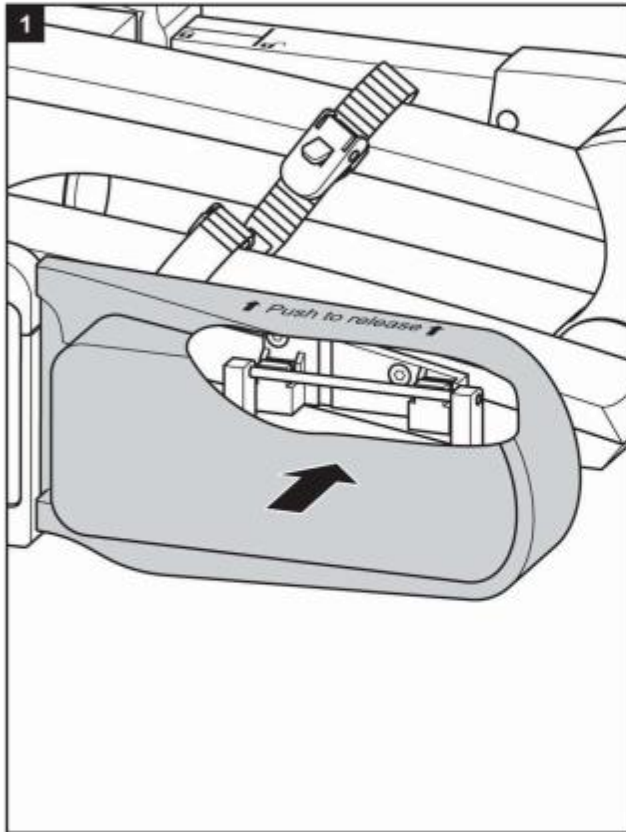


WARNING

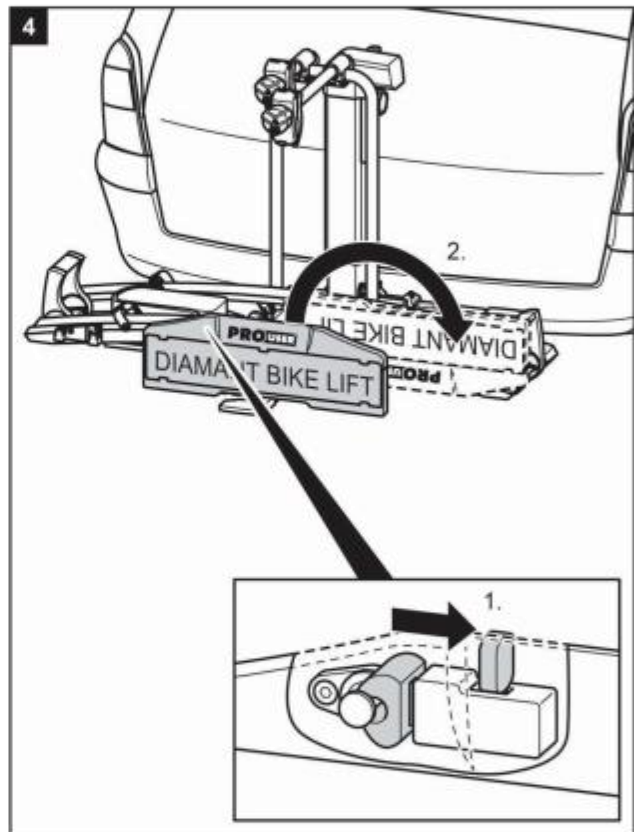
A bicycle carrier that is not folded up can cause the carrier or coupling to break off.
Injury to people or damage to property due to loss of the bicycle carrier during the journey.

- ⇒ Fold up the carrier before the journey.
- ⇒ Check that the bicycle carrier is engaged properly. If necessary, engage the carrier as described previously.

Removing the Bicycle Carrier

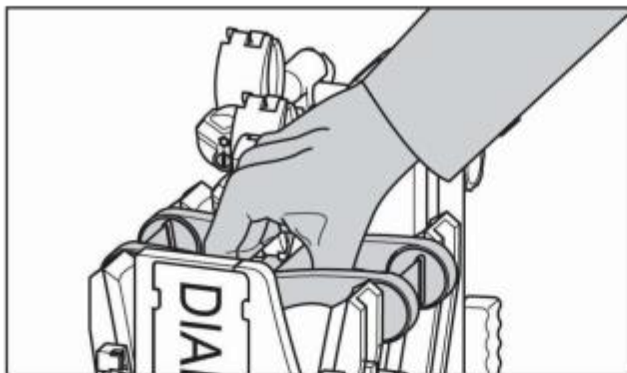


- ⇒ Start by undoing the locking bolt behind the number plate holder.

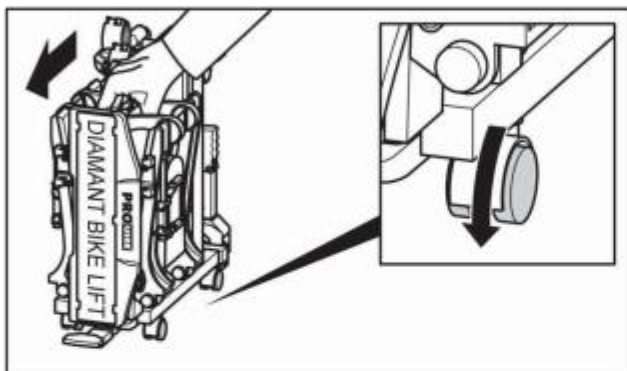


- ⇒ Then, when removing the bicycle carrier, proceed in reverse order of fitting.

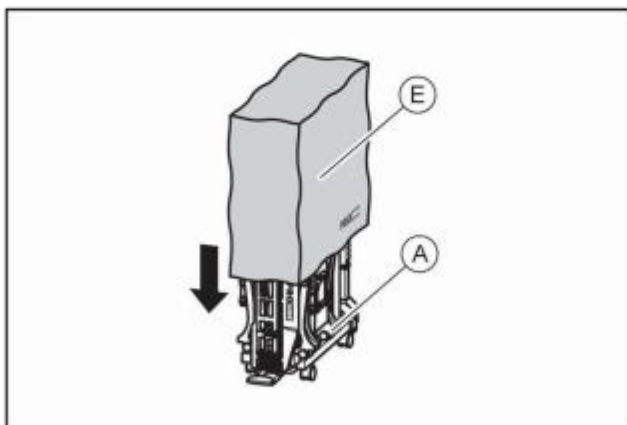
Carrying the Bicycle Carrier



Rolling the Bicycle Carrier



Storing the Bicycle Carrier in the Protective Cover



Cleaning and Care

The bicycle carrier can be cleaned with a mild detergent, warm water, and/or a soft cloth.

Remove coarse dirt and dust in advance. Do not use solvents or similar cleaners, as these could damage the bicycle carrier.

Allow the bicycle carrier to dry by itself. Do not use a hairdryer or other heated appliances to speed up the drying process. Clean the bicycle carrier regularly in coastal areas and in the case of use in winter conditions, to rinse off salt and prolong the life of the bicycle carrier.

In prolonged periods without use (e.g. over winter), store the bicycle carrier in a place that is dry and protected, to prolong its life.

Maintenance

Before each journey, check the bicycle carrier for wear. Defective metal parts and tension belts in particular must be replaced.

To replace the parts, contact our customer service.

Any change to original parts and materials or to the structure of the bicycle carrier may impair safety and performance.

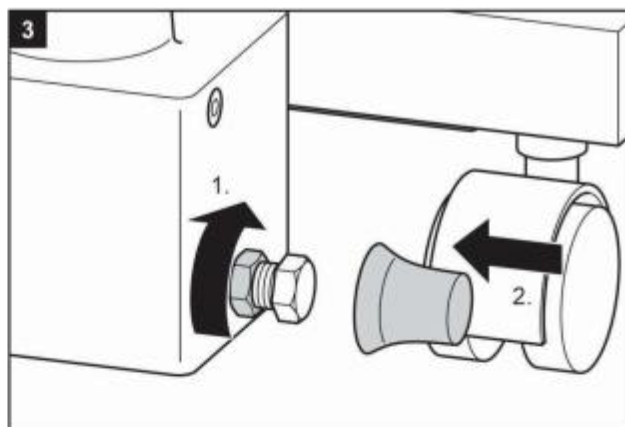
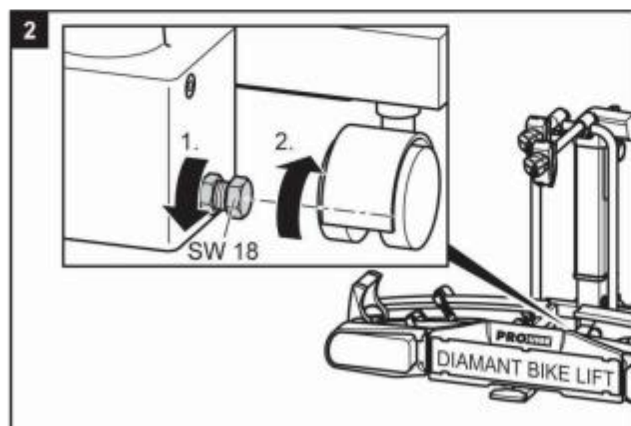
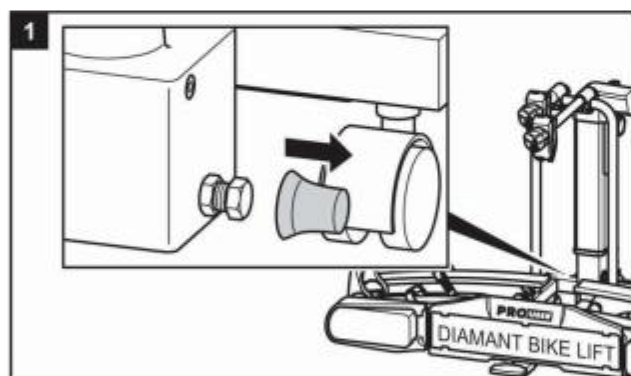
The steel parts of the bicycle carrier have been protected from corrosion by powder coating in the factory. If this layer of paint is damaged, ensure that the damage is rectified professionally as soon as possible.

Under normal conditions, the bicycle carrier requires only cleaning and is otherwise maintenance-free.

Adjusting the quick-release mechanism

Perform this maintenance only if the bicycle carrier cannot be fitted firmly on the tow hitch as described in the chapter on Fitting.

- ⇒ Remove the bicycle carrier from the tow hitch, as described under Removal.
- ⇒ Pull off the protective dust cap.
- ⇒ Loosen the locknut a little, as shown in the illustration.
- ⇒ Tighten the adjusting screw by a quarter turn.
- ⇒ Tighten the locknut.
- ⇒ Check that the carrier is now sitting firmly on the tow hitch, as described under Fitting. If not, repeat the steps described above.



Disposal

Observe the local official regulations for disposal.

Also, dispose of the packaging by type in the collection containers provided for this.

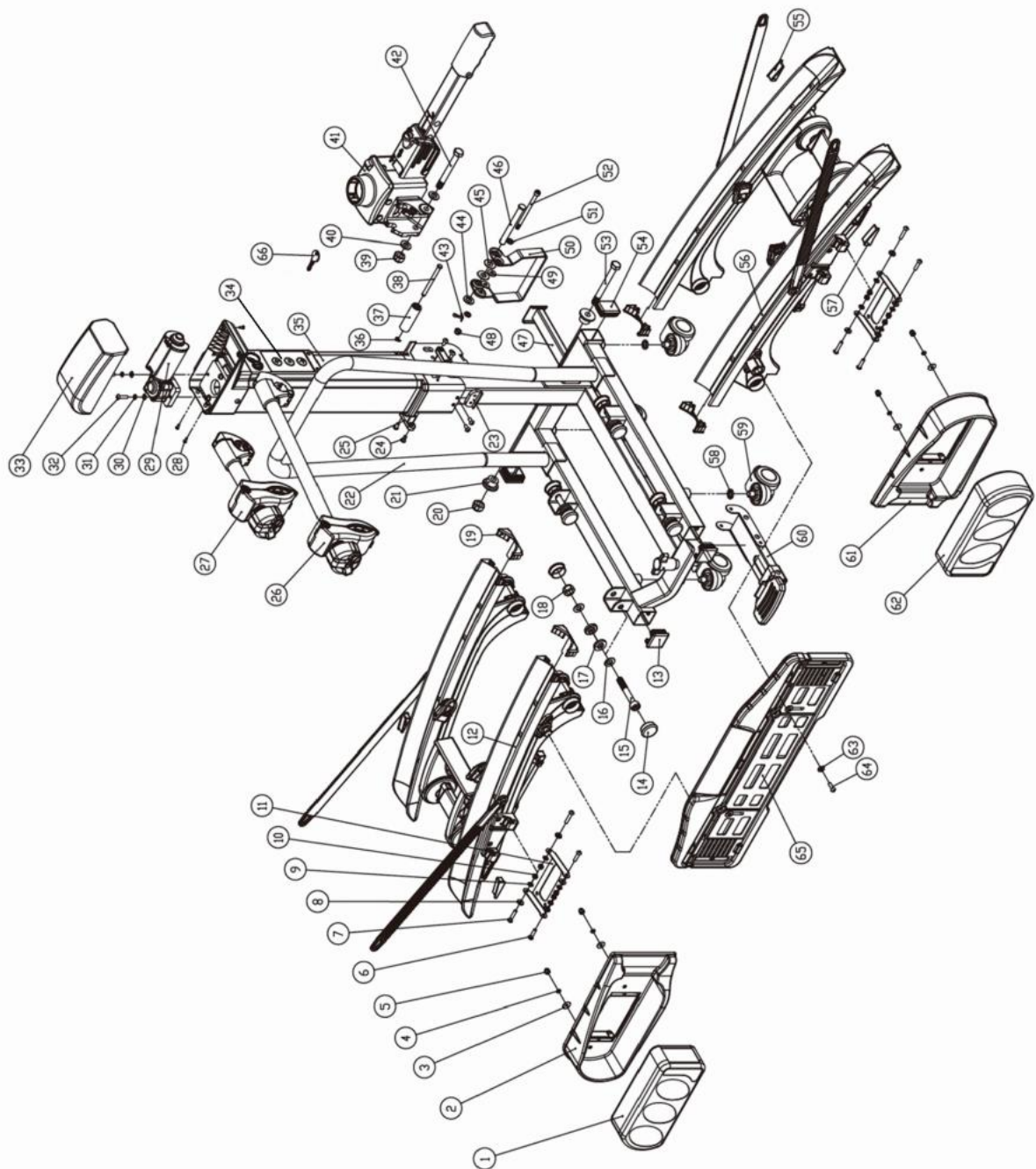
More information can be obtained from your local waste disposal centre.

Contact

Tradekar Benelux BV
Ohmweg 1
4104 BM CULEMBORG
The Netherlands

E-Mail: info@tradekar.com
Telephone: +31 (0)345 470 990
Telefax: +31 (0)345 470 991

Consumer helpdesk & support
E-Mail: service@tradekar.com
Telephone: +31 (0)345 470 998
(Monday till Friday 8:30-12:30)



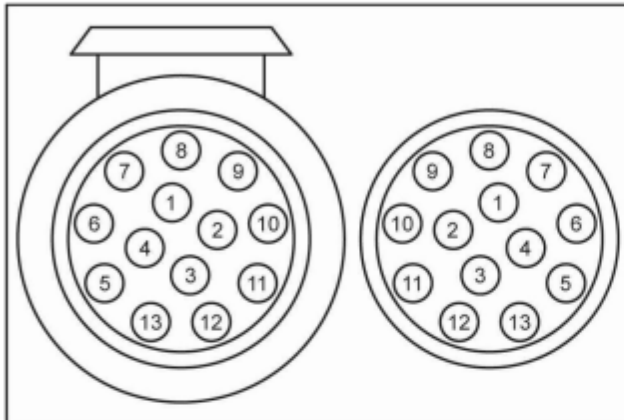
Pos.	Quantity	Description
1	1	Lamp complete right
2	1	Lamp guard right
3	4	Washer M5
4	4	Spring washer M5
5	4	Capped nut M5
6	4	Screw M5X20
7	4	Screw M5X25
8	8	Nylon washer M5
9	8	Washer M5
10	8	Self-locking nut M5
11	2	Lamp countersink
12	1	Left wheel rail with tension belt and carrier handle
13	2	Stopper for Nr.22,35X35mm
14	8	Round stopper for Nr.12
15	4	Bolt M10X65
16	8	Washer M10
17	8	Nylon washer M10
18	4	Self-locking nut M10
19	4	End cap aluminium rail interior
20	1	Self-locking nut M10
21	2	Stopper bearing pad
22	1	Carrier table bracket and U-bracket
23	1	Small plastic stopper 1
24	6	Screw M5X10
25	2	Small plastic stopper 2
26	1	Lock bracket long
27	1	Lock bracket short
28	4	Screw ST 2.9X9.5
29	1	Motor
30	2	Washer M5
31	2	Spring washer M5
32	2	Screw M5X20
33	1	Plastic cover for lift bracket

Pos.	Quantity	Description
34	1	Keyswitch controlpanel
35	1	Lift bracket
36	1	Jump ring
37	1	Nylon roller
38	1	Pin ø6
39	1	Self-locking nut M10
40	2	Washer M10-2.0
41	1	quick release
42	1	Bolt M10X87
43	1	Split pin ø3.2X25
44	2	Washer M10-2.0
45	2	Big washer M10-1.2
46	1	Pin ø10
47	1	Push rod
48	1	Self-locking nut M6
49	2	Big washer M6-1.2
50	1	Tilting operator
51	2	Washer M6-1.6
52	1	Bolt M6X85
53	1	Bolt M10X95
54	2	Stopper for Nr.22,30X40mm
55	2	Triangle end cap 1
56	1	right wheel rail with tension belt and carrier handle
57	2	Triangle end cap 2
58	4	Spring washer M10
59	4	Universal castor
60	1	Kick plate for locking mechanism
61	1	Lamp guard left
62	1	Lamp complete left
63	1	Nylon washer M5
64	1	Screw M5X16
65	1	Registration plate bracket
66	1	Key

Pin Assignment

The bicycle carrier is equipped with a lighting system. This is connected to the tow hitch socket with a 13-pole plug. If your vehicle has only a 7-pole rather than a 13-pole connection, the corresponding assignments are specified here. This information is intended only for conversion by a specialist company. Conversion by an unqualified person is not permitted.

13 Pin



1	Left indicator	Yellow
2	Rear fog light	Blue
3	Mass	White
4	Right indicator	Green
5	Right tail light	Brown
6	Brake lights	Red
7	Left tail light	Black
8	Reversing light	Grey
9	+12 V for lift system	Red
10	Not used	—
11	Not used	—
12	Not used	—
13	0 mass for lift system	Black

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