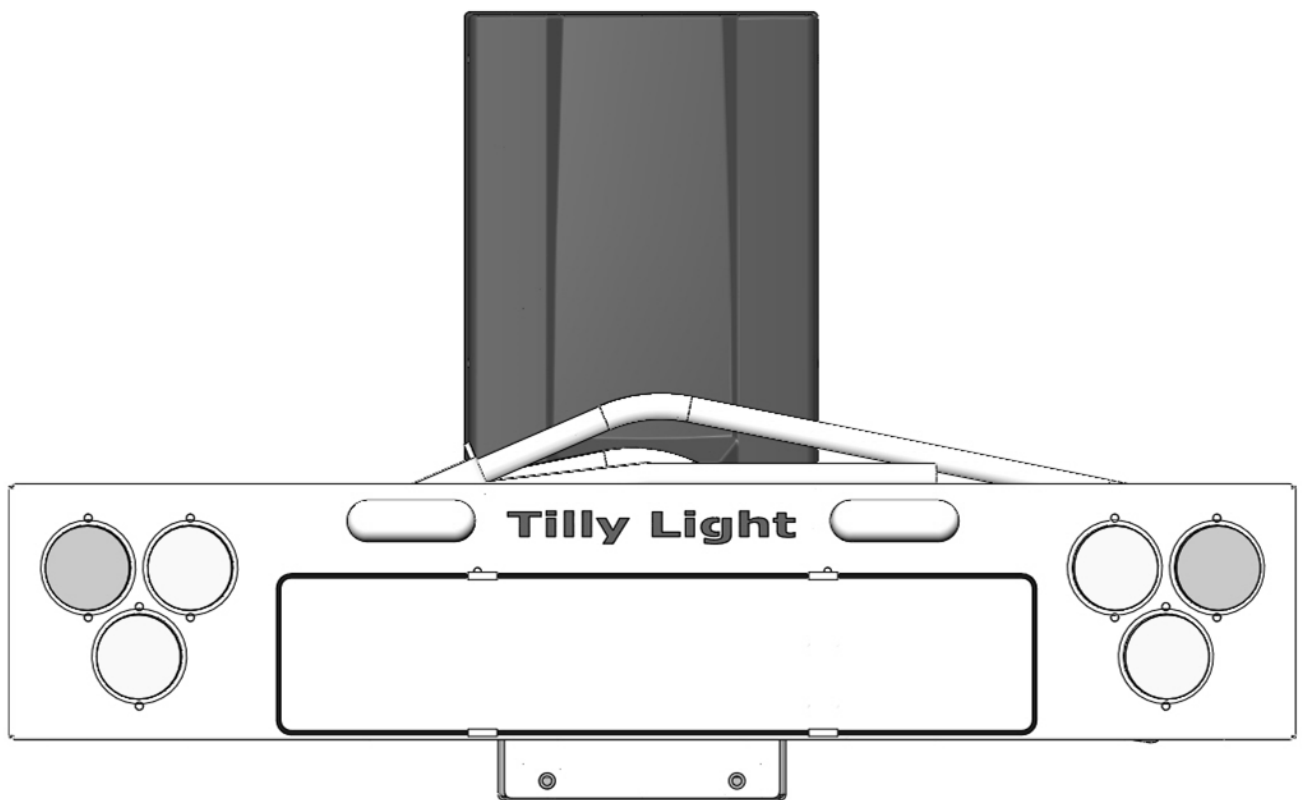


Instruction manual

Tilly Light bicycle carrier



June2015
Tilly Light BV

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General

Make sure to read these instructions before use.

Always observe the instructions in this manual. If you do not observe the instructions, the warranty will be null and void.

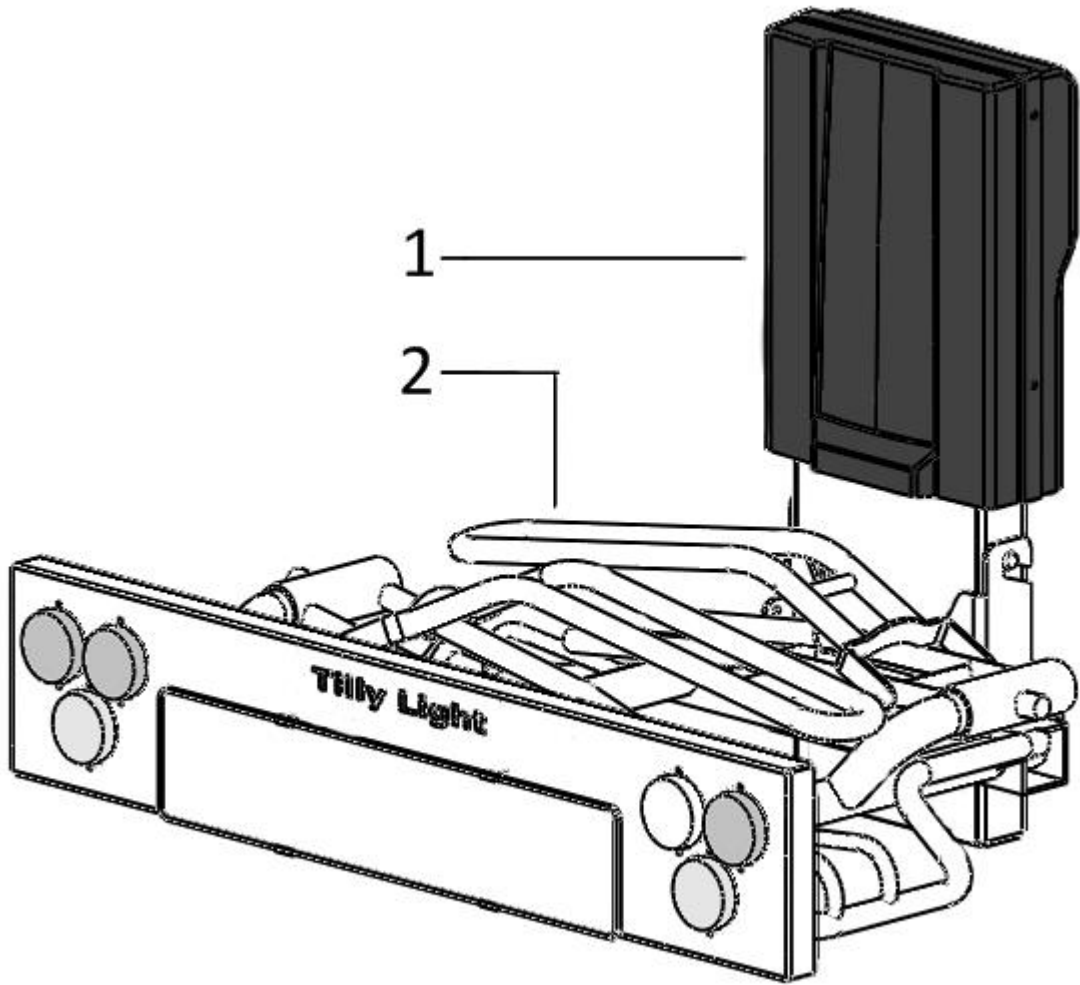
Tilly Light may only be used for the transportation of bicycles.

The driver is responsible for the correct mounting of Tilly Light on the towing hook.

Do not exceed the maximum ball pressure onto the towing hook after the Tilly Light and the bicycles have been placed. You will find this maximum ball pressure on the identification plate of the towing hook or in the instruction booklet of your car.

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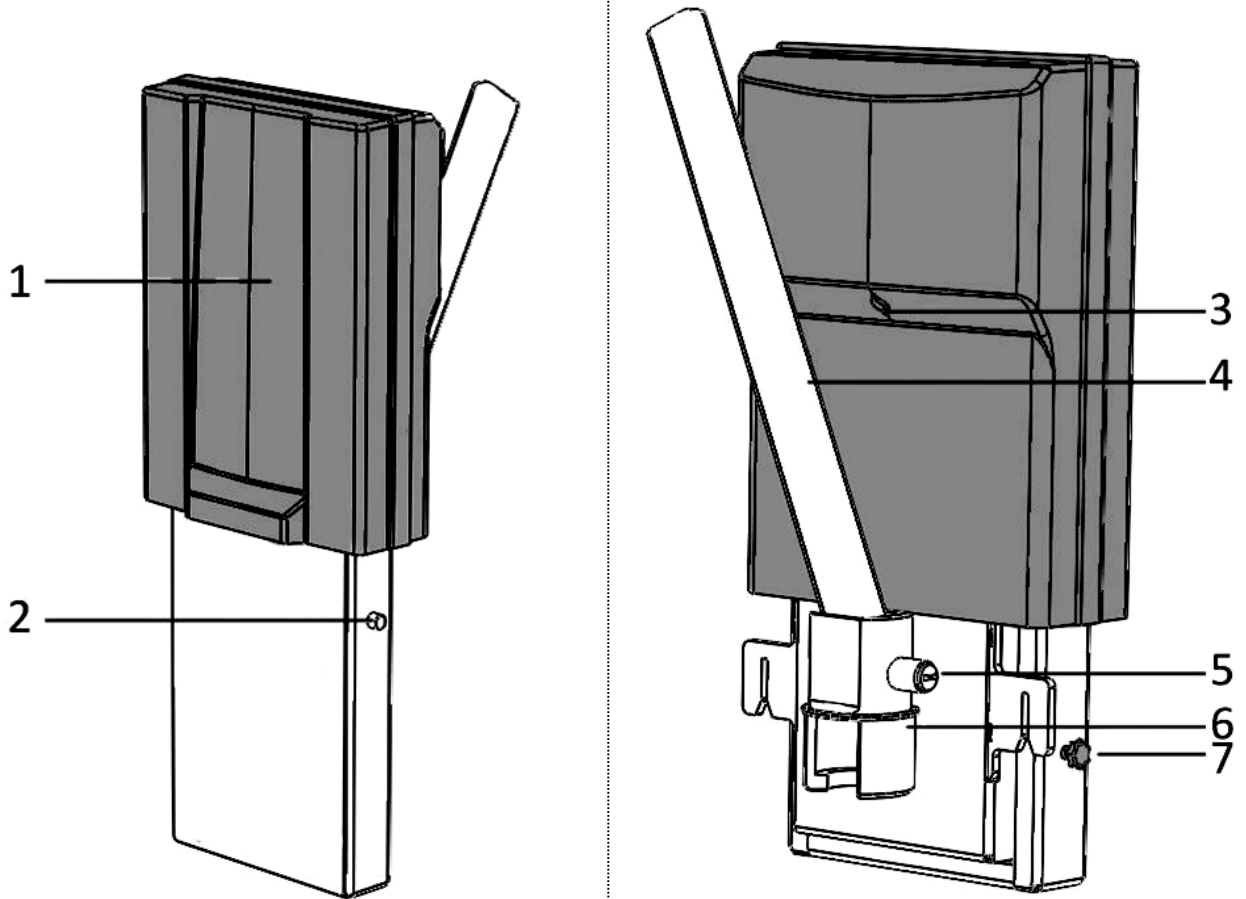
Tilly Light



Components:

1. Lift
2. Bicycle carrier

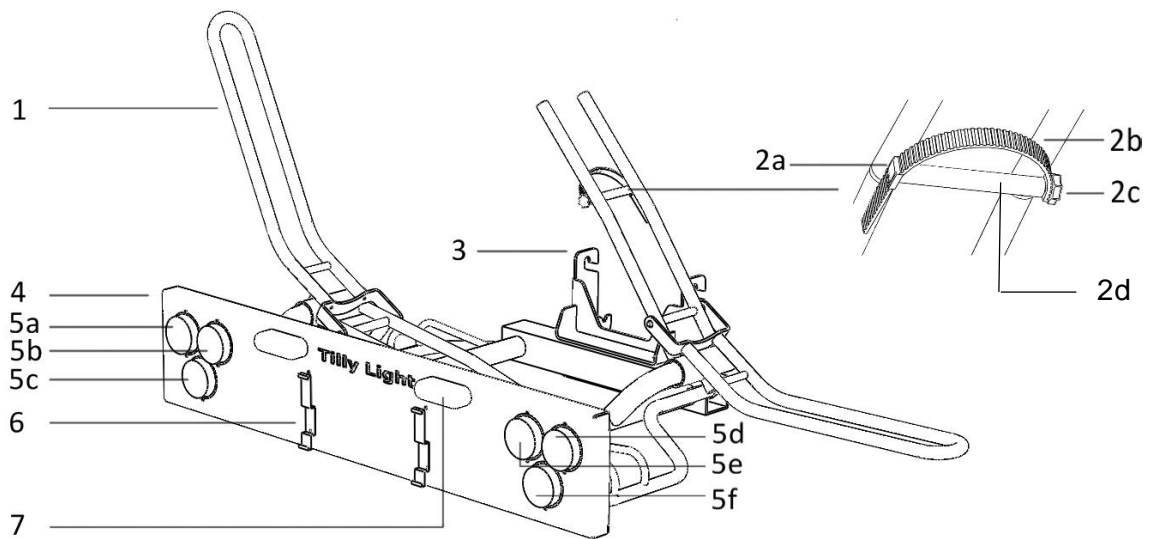
Lift



Components:

1. Protective cover
2. Suspension stud left and right
3. Plug for lift
4. Lever
5. Lock with 1 key (+ 1 spare key)
6. Towing-hook coupling
7. Lock bolt

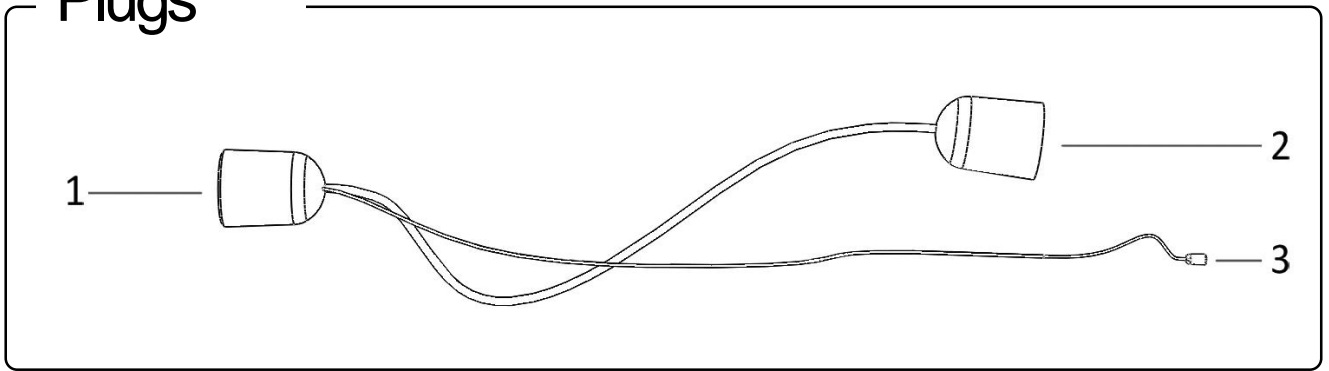
Bicycle carrier



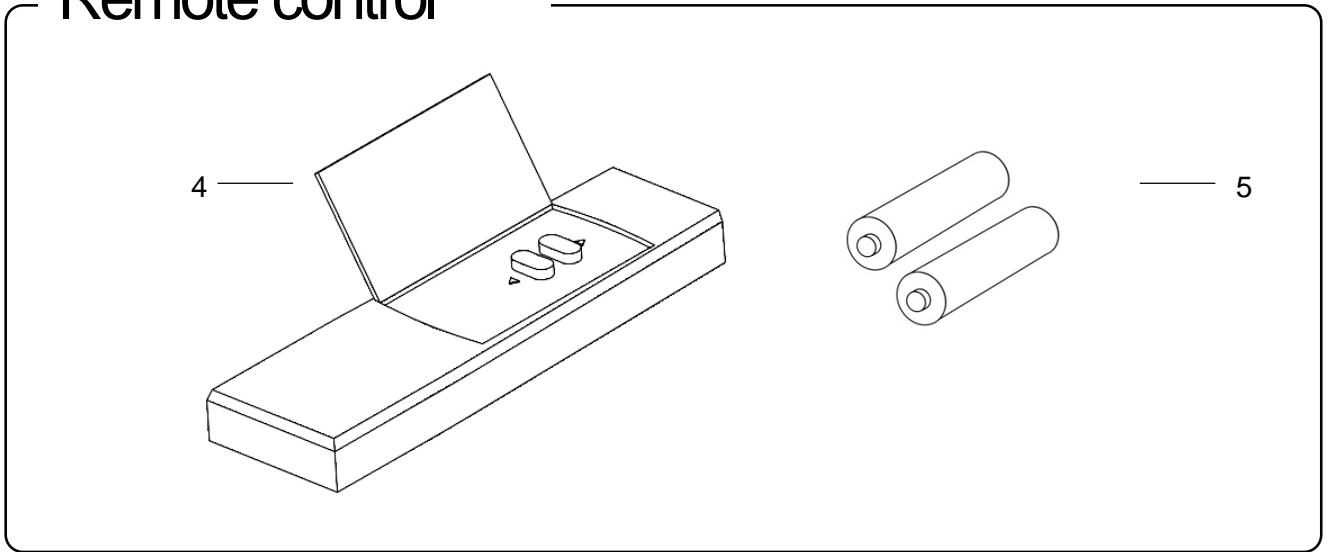
Components:

1. Front-wheel support
- 2a. Buckle
- 2b. Ratchet strap
- 2c. Star bolt
- 2d. Front-wheel support tube
3. Suspension hook
4. Light bar
- 5a. Left-hand side rear light
- 5b. Rear fog lamp
- 5c. Left-hand side indicator
- 5d. Right-hand side rear light
- 5e. Reversing light
- 5f. Right-hand side indicator
6. Number-plate clamp (2x)
7. Number-plate lighting

Plugs



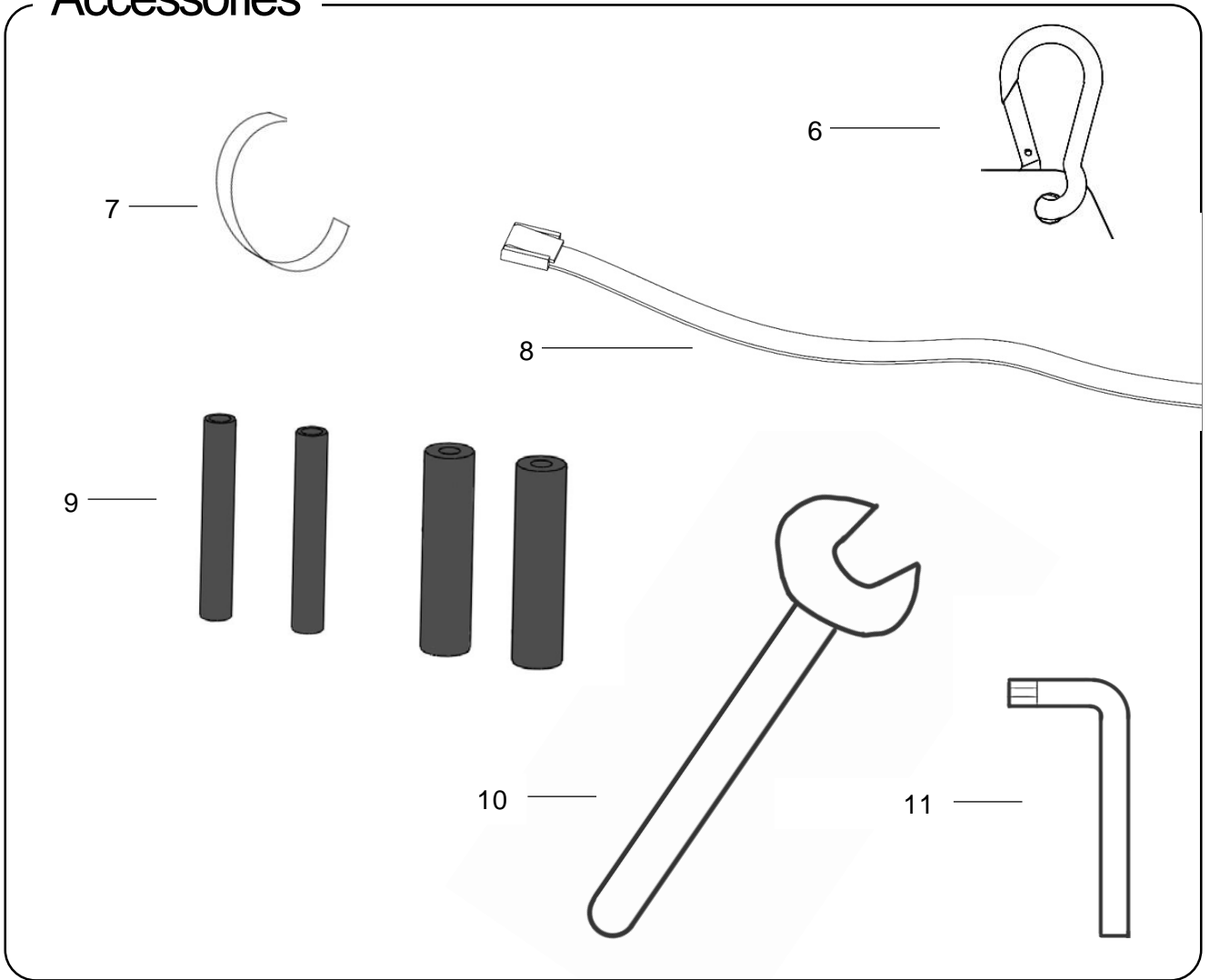
Remote control



Components:

1. Car plug 13-pole
2. Light plug
3. Female plug lift
4. Remote control
5. AAA batteries included

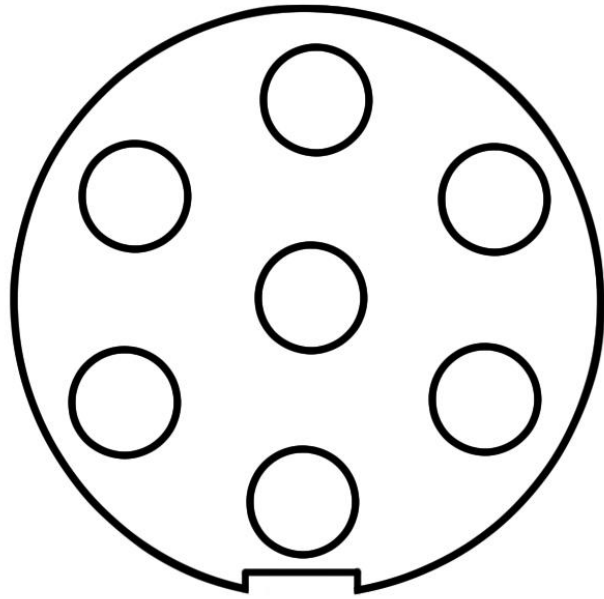
Accessories



- 6. Carabine hook
- 7. Velcro
- 8. Lashing strap
- 9. Protective rubber
- 10. Spanner size 10
- 11. Allen key size 3

Plug connection

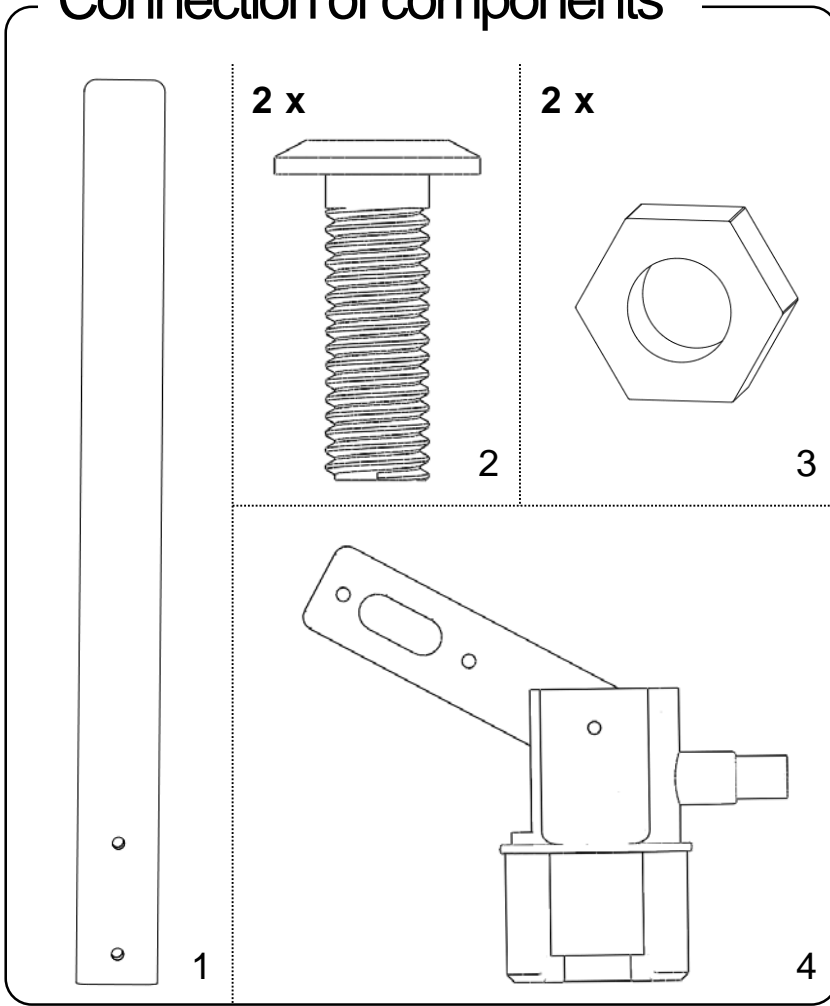
7-pole connection



Tilly Light is provided with a 13-pole connection as standard.
If you have a car with a 7-pole connection, there is the Tilly adapter.
It is available from www.tillylight.nl.

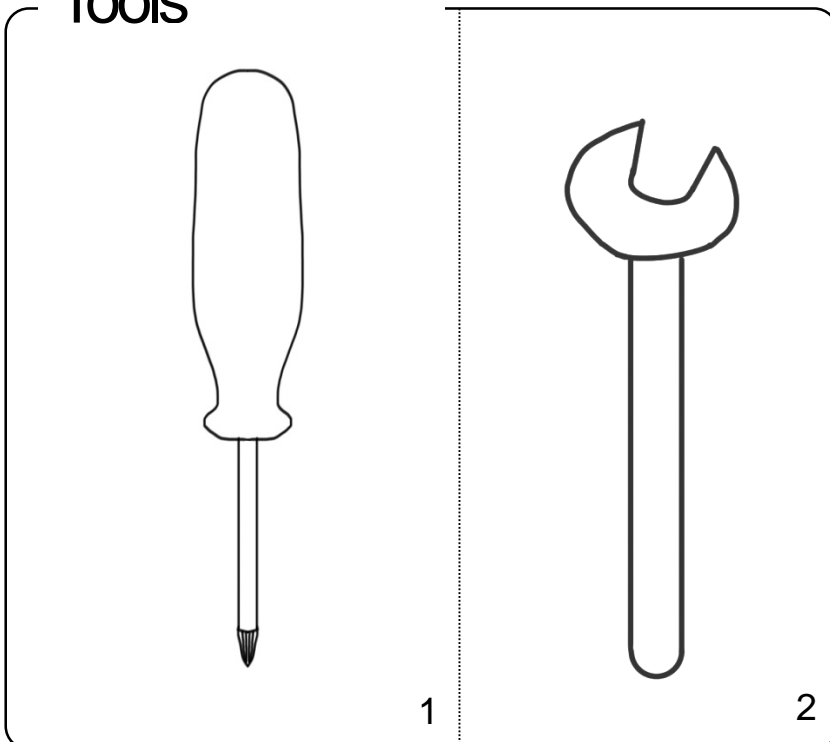
FIRST USE

Connection of components



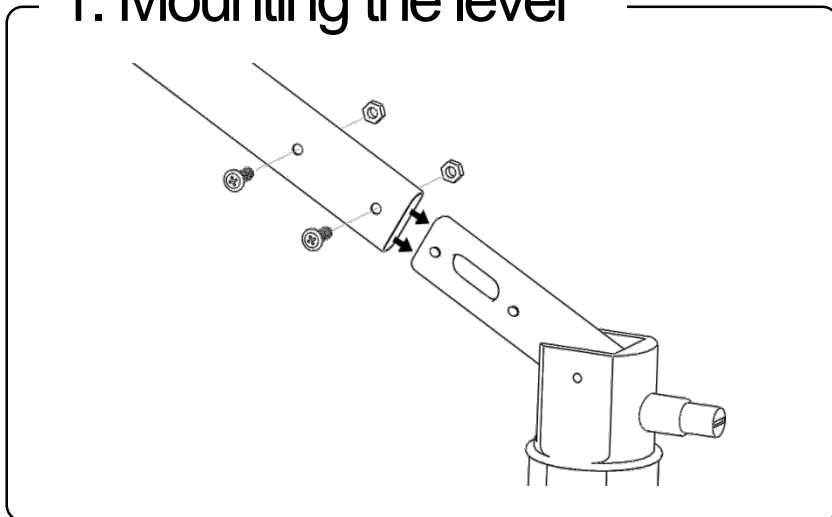
Before installing the Tilly Light, the lever must be mounted to the towing-hook coupling. The lever (1) is mounted to the towing-hook coupling by means of 2 bolts (2) and 2 nuts (3).

Tools

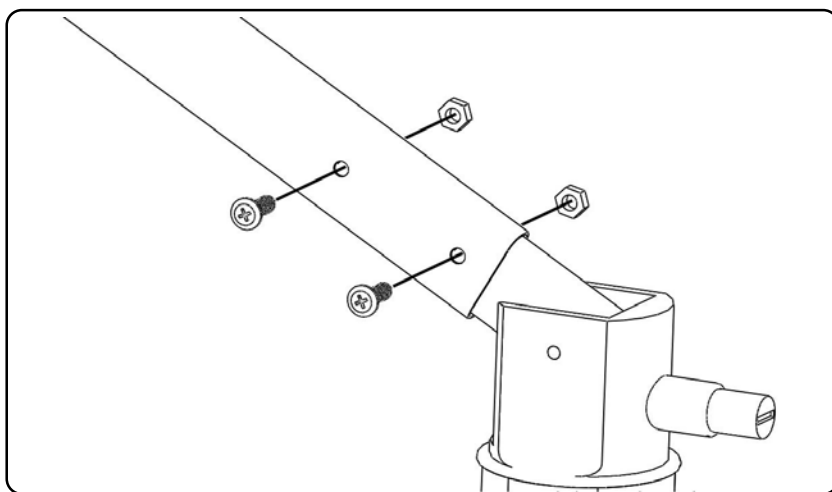


The lever is mounted using a crosshead screwdriver (1) and a spanner size 10 (2).

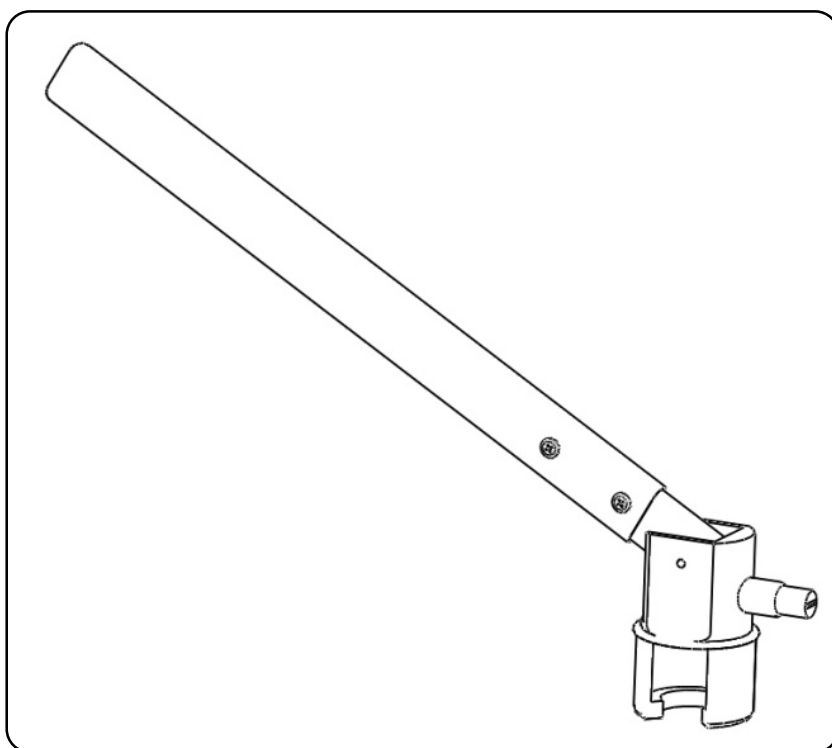
1. Mounting the lever



First, slide the lever over the towing-hook coupling.



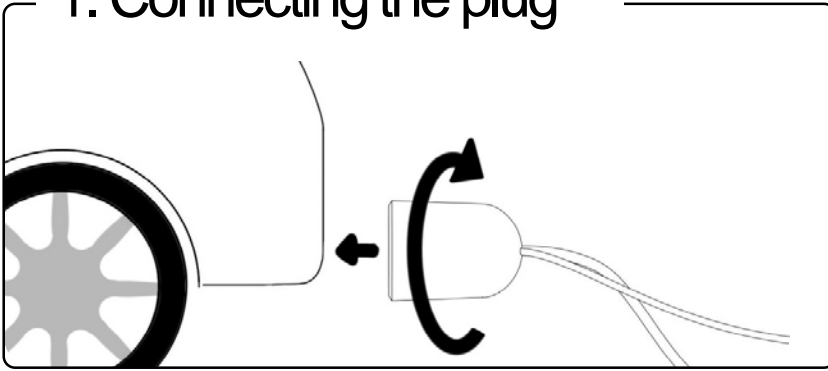
Position the bolts in the holes in the lever. Tighten the nuts to the bolts on the other side of the lever. Use the spanner and screwdriver.



Make sure the lever is well connected to the towing-hook coupling. The lever must be connected to the towing-hook coupling as shown in the drawing.

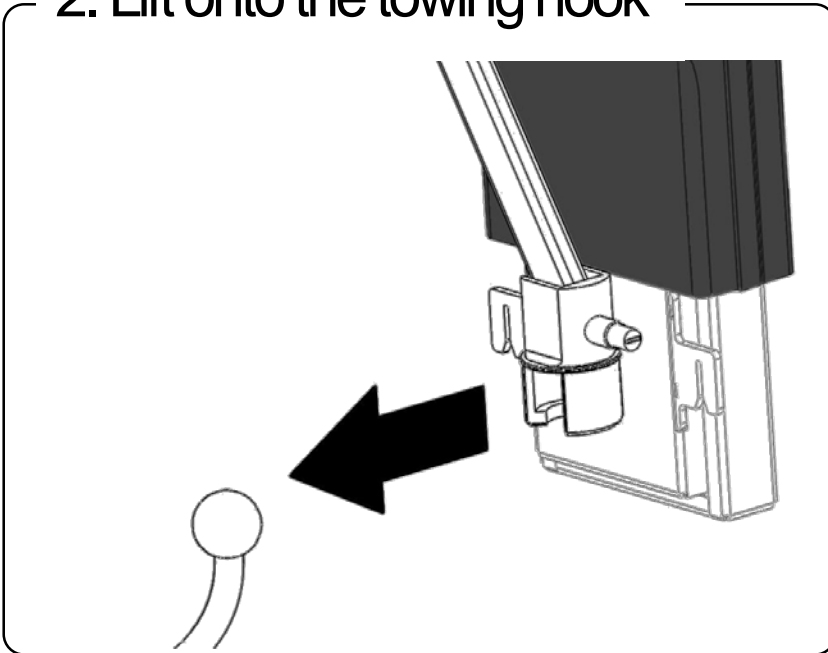
MOUNTING ONTO THE CAR

1. Connecting the plug



Start by connecting the car plug. First, place the plug in the car's socket. Turn it a quarter turn until the plug is firmly connected.

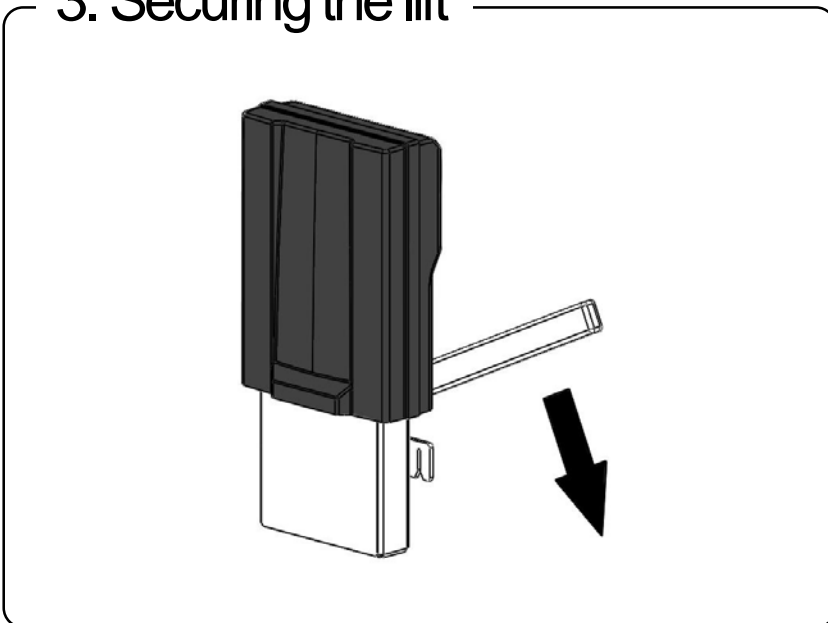
2. Lift onto the towing hook



Place the lift onto the car's towing hook by placing the ball into the lift's towing-hook coupling.

! After mounting the lift, you can no longer open the lid of the boot. Make sure, therefore, you no longer need to put any items into, or take from, the boot before installing the lift. In some cases, you can reach your luggage from inside the car.

3. Securing the lift

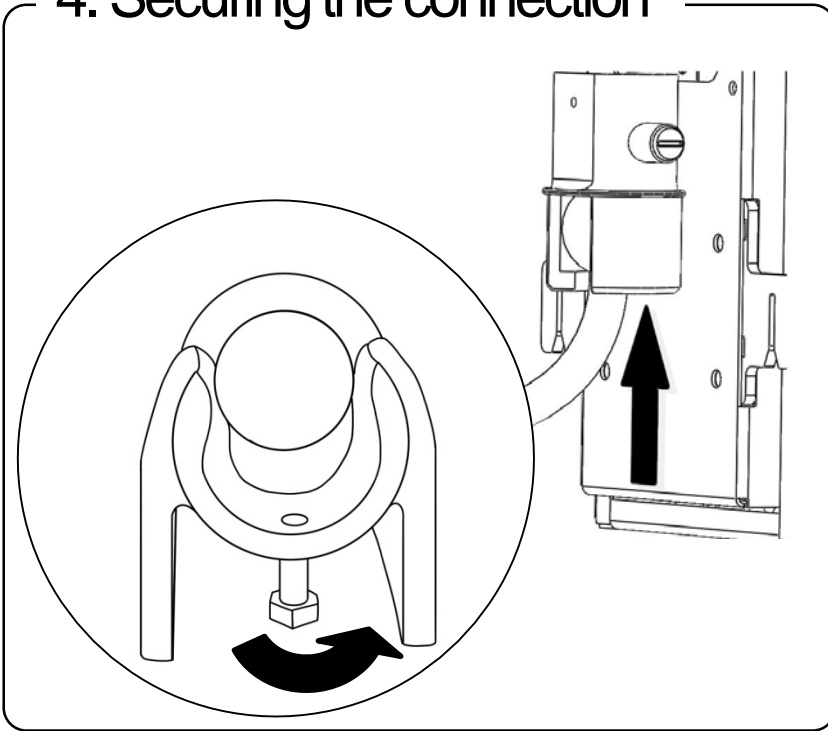


Secure the lift onto the towing hook by pushing the lever downward.

! The towing-hook coupling is properly attached to the towing hook when the lever is horizontal.

! After mounting, tilt the lift vertically. The top should be tilted approximately 10° in the direction of the car.

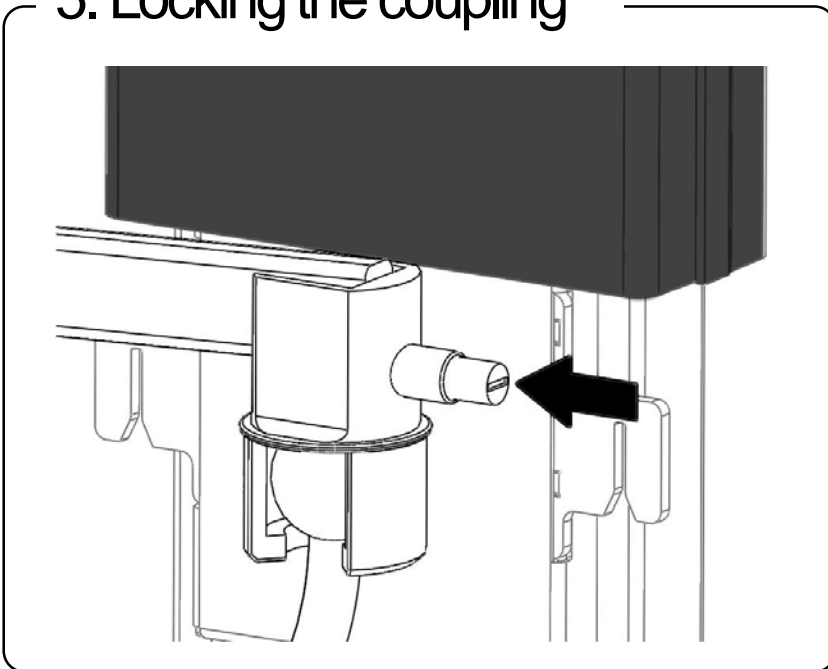
4. Securing the connection



At the bottom of the towing-hook coupling is a bolt that should touch the towing hook. Should it not touch the towing hook, tighten it until it does.

! Regularly check this bolt.

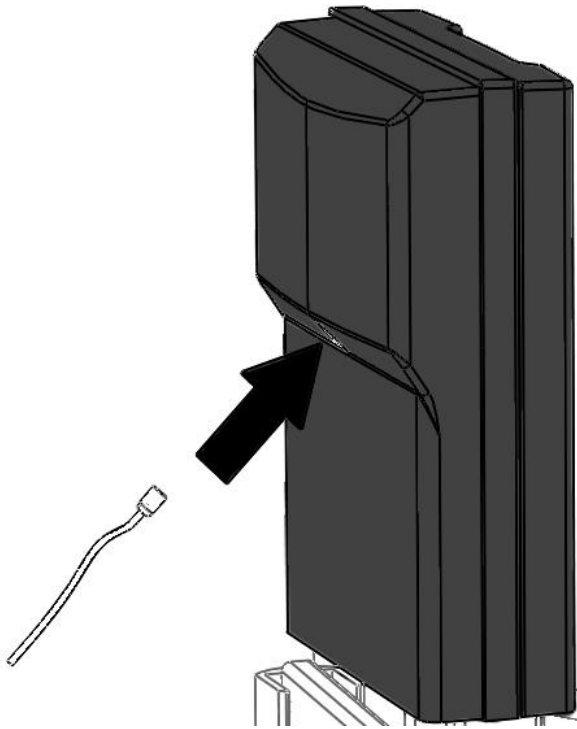
5. Locking the coupling



Secure the towing-hook coupling by pushing in the lock.

! While doing so, do not leave the key in the lock. It is only meant to open the lock.

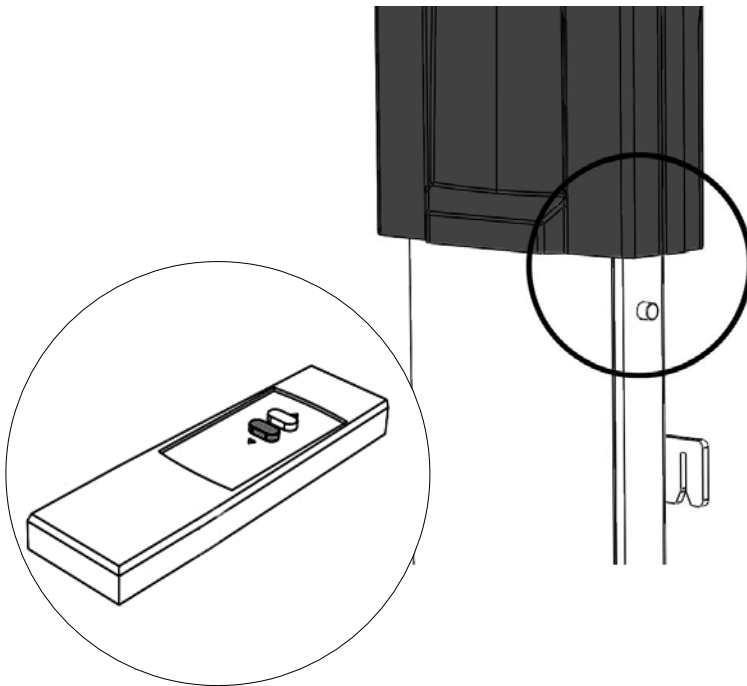
6. Connecting the plug



Connect the female plug to the plug at the back of the lift. Secure it using the lock on the contact plug.

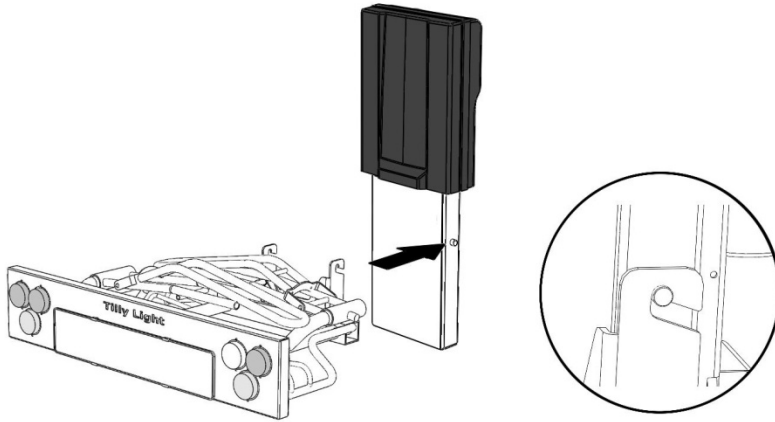
! After connecting, it takes a few seconds before the lift can be operated.

7. Lift at correct height



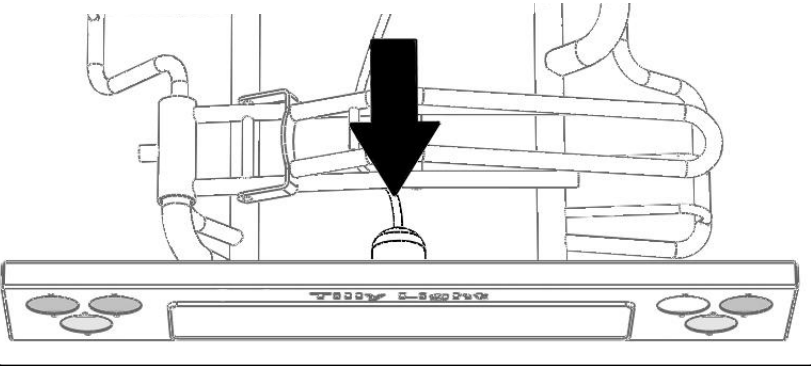
Position the lift at the correct height by ensuring that the suspension stud is at least 4 centimetres underneath the protective cover.

8. Mounting the bicycle carrier



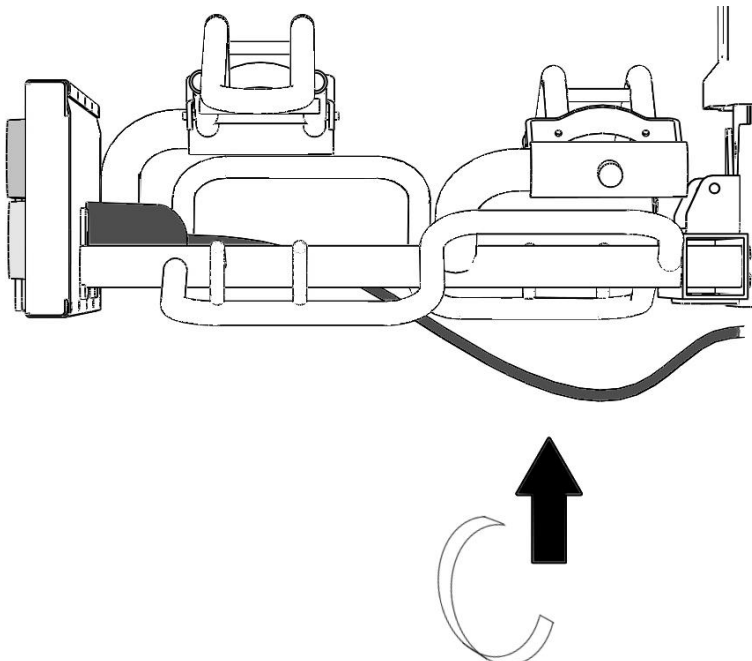
Mount the bicycle carrier onto the lift in such a way that the suspension hook of the bicycle carrier falls around the suspension stud of the lift.

9. Mounting the plug



Mount the light plug to the back of the light bar. First, place the plug into the light bar. Turn it a quarter turn until the plug is firmly connected.

10. Fixing the cable

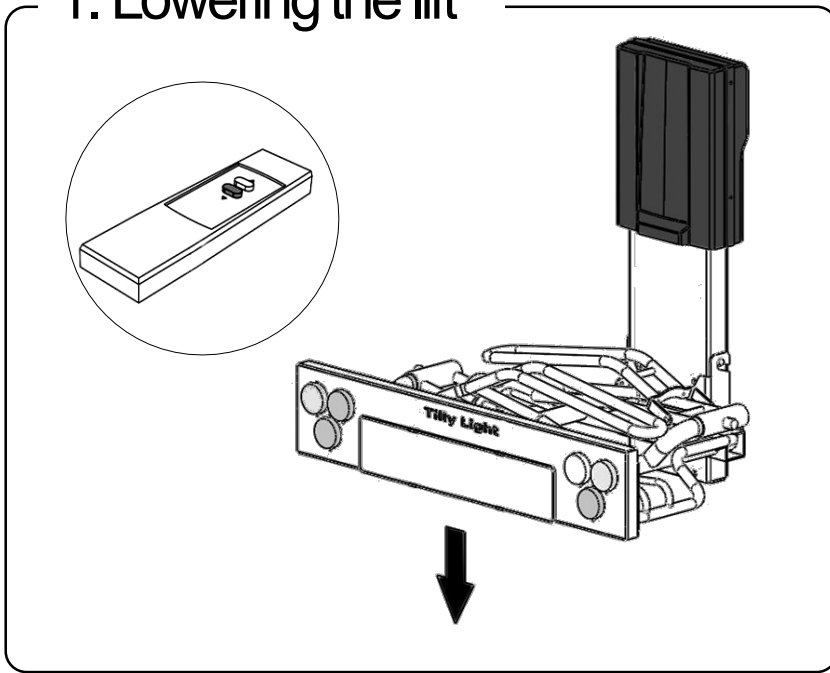


Connect the plug cable to the bicycle carrier and secure it by means of the Velcro strips, so that it will not drag along the ground.

! Make sure, however, to leave enough length to ensure free movement of the lift.

PLACING THE BICYCLES

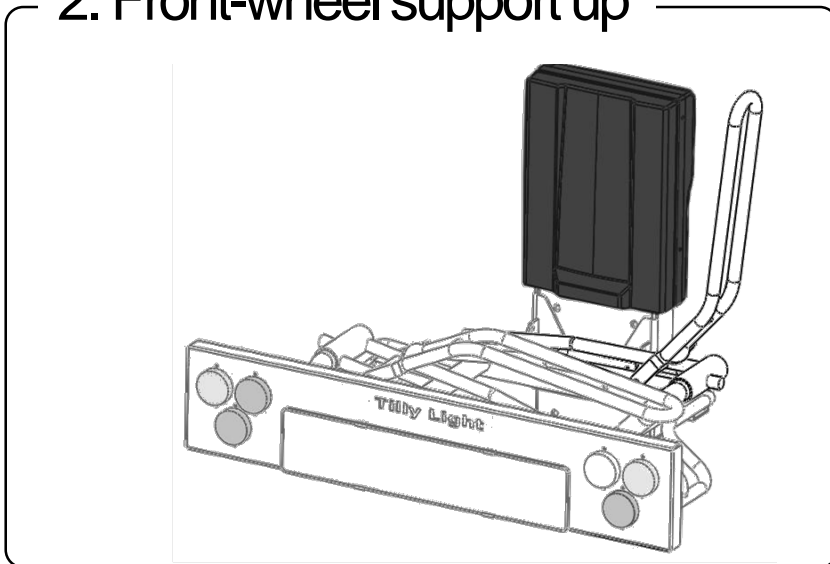
1. Lowering the lift



Lower the lift to its lowermost position using the remote control.

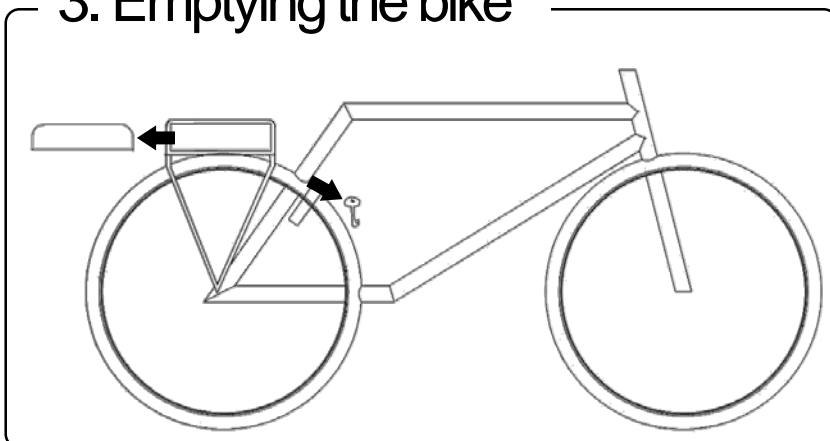
! Ensure a minimum distance of 1 metre to the Tilly Light while operating the remote control.

2. Front-wheel support up



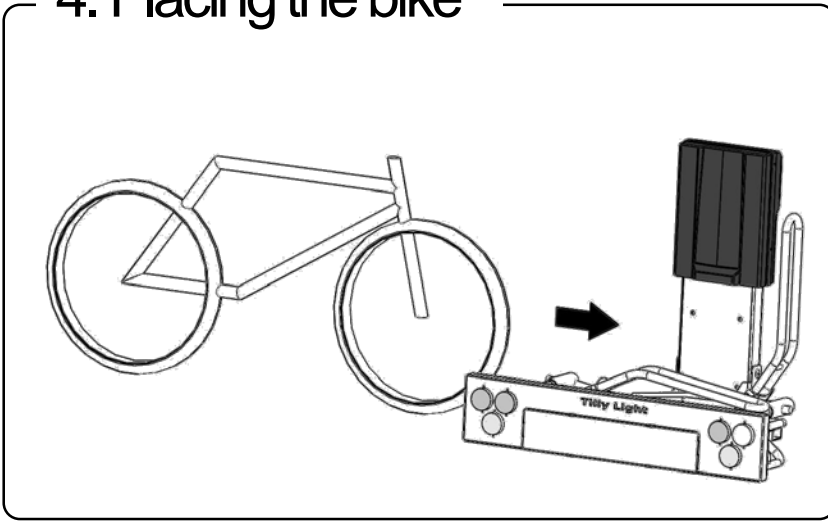
Move the rearmost front-wheel support up as shown in the drawing.

3. Emptying the bike



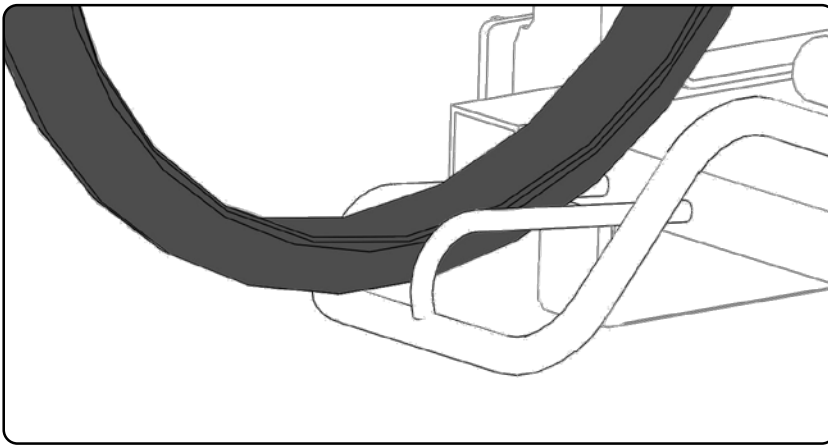
! Make sure that all loose parts, such as the battery and the bicycle computer, are removed from the bike before transporting it.

4. Placing the bike



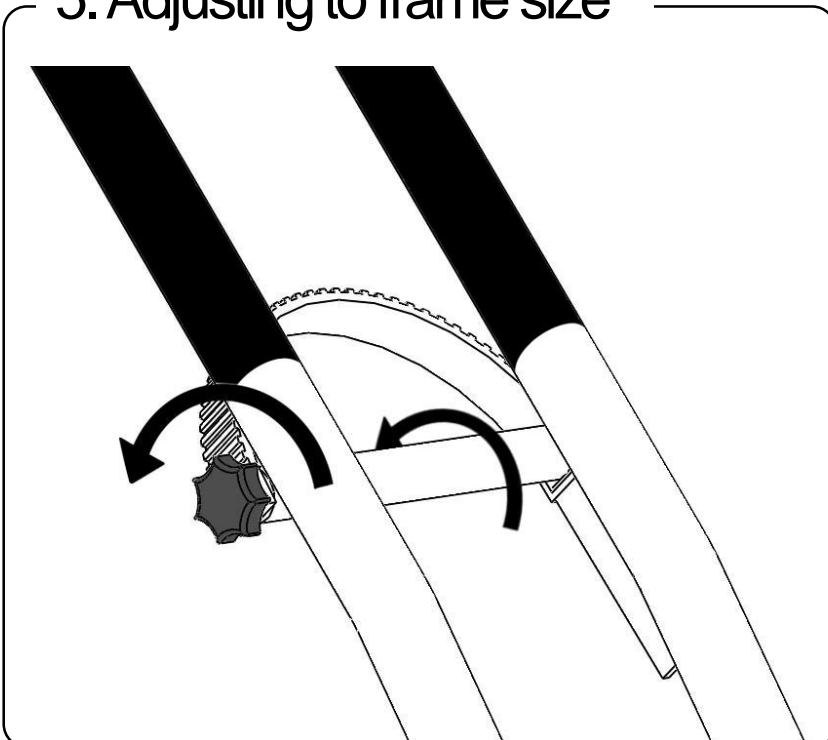
Ride the bicycle into the rearmost front-wheel support from the side. Make sure the left-hand pedal points to the rear of the bicycle.

Tip: Place the bicycle with the lowest seat and handlebars closest to the car.



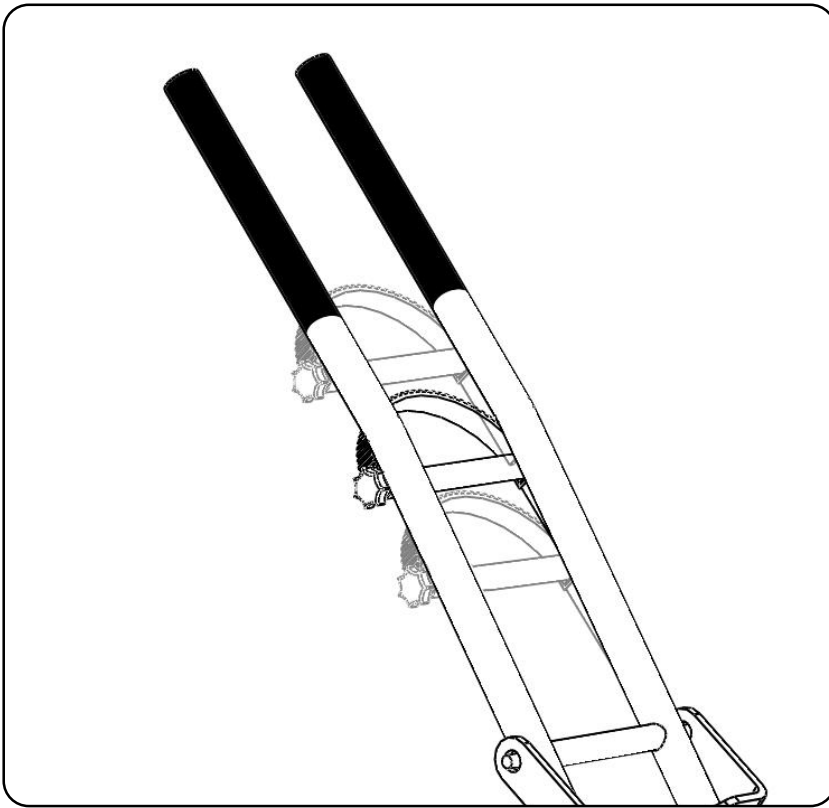
! Make sure the back wheel is positioned as shown in the drawing.

5. Adjusting to frame size



The height of the front-wheel support tube can be adjusted. By loosening the star bolt and the tube, the front-wheel support tube can be slid up and down.

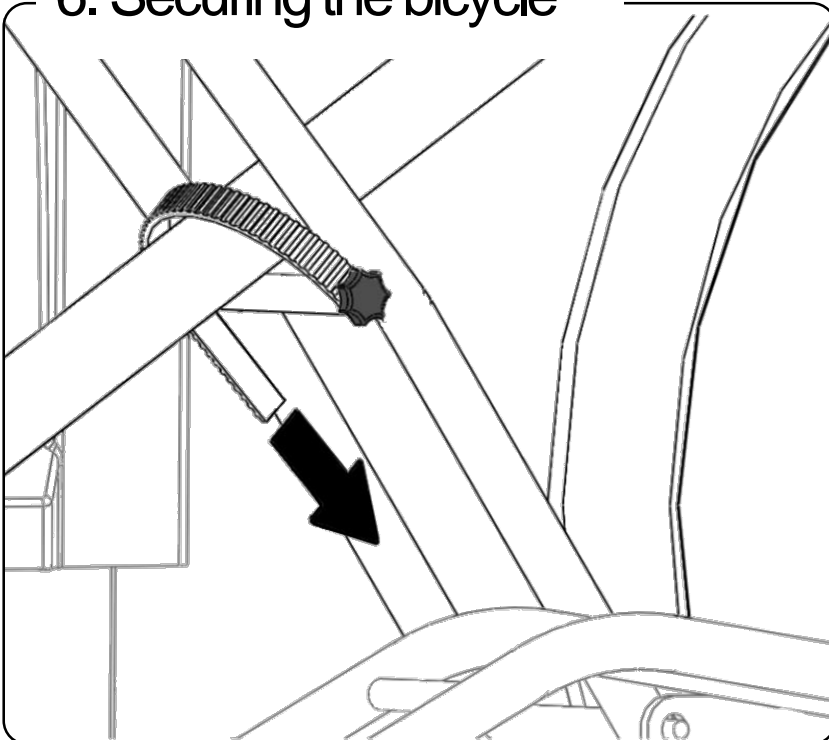
! If you cannot loosen the tube, loosen the bolt underneath the buckle using an Allen key size 3.



Slide the front-wheel support tube to the desired height. Slide it up if there is play between the frame and the tube. Slide it down if it is not possible to ride the bicycle completely onto the front-wheel support.

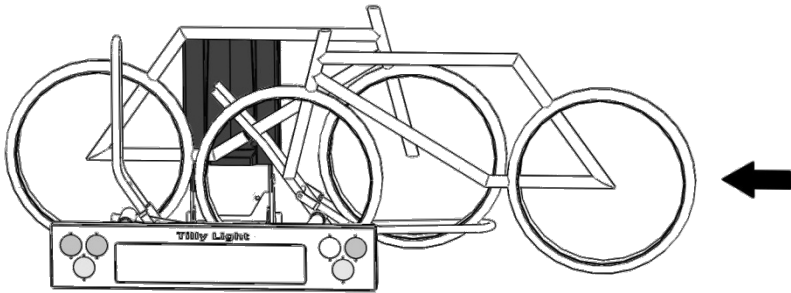
Next, tighten the star bolt and the bolt using Allen key size 3.

6. Securing the bicycle



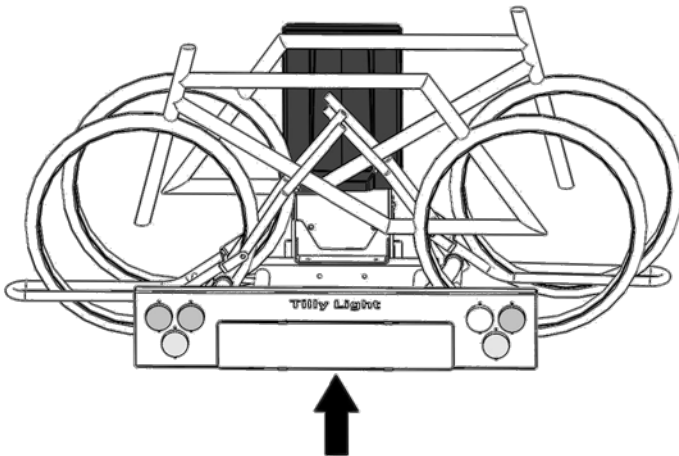
Lock the bicycle and secure it using the ratchet strap.

7. Placing the second bike



Move the frontmost bicycle clamp up and ride the second bike onto the front-wheel support in the opposite direction. Make sure the left-hand pedal points to the front of the bicycle. Secure this bicycle by means of the ratchet strap as well.

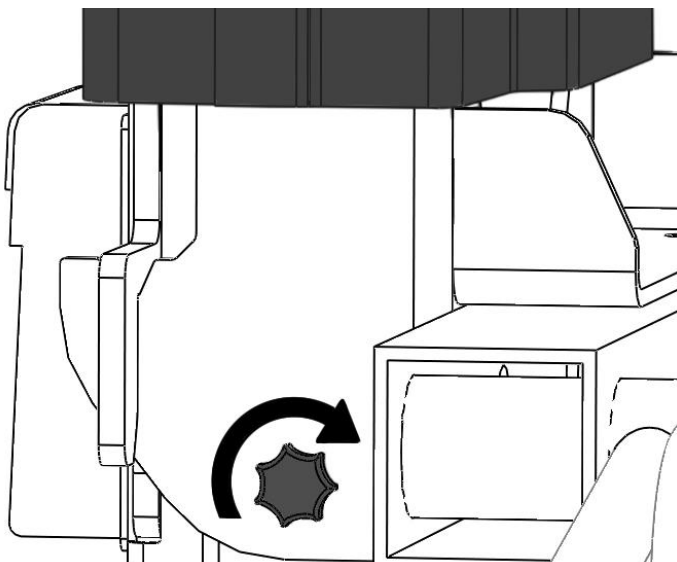
8. Moving the lift up



Move the lift up to its uppermost position using the remote control.

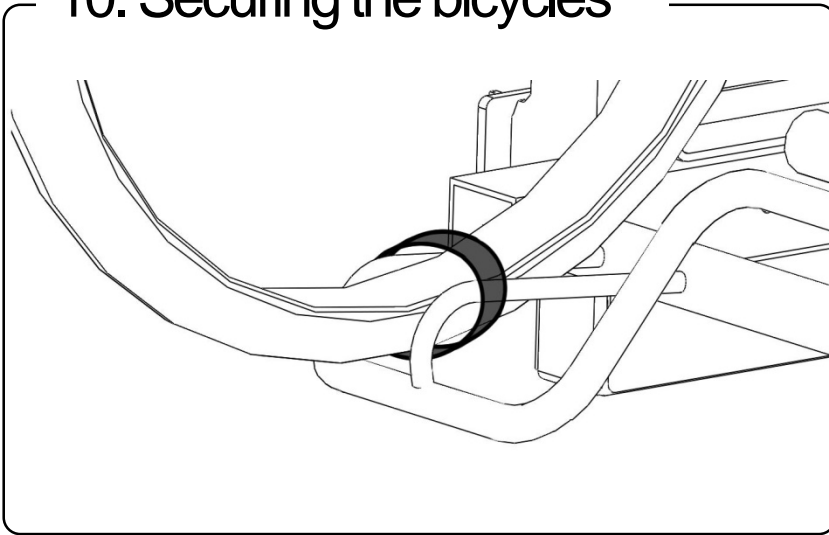
! Ensure a minimum distance of 1 metre to the Tilly Light.

9. Locking the lift



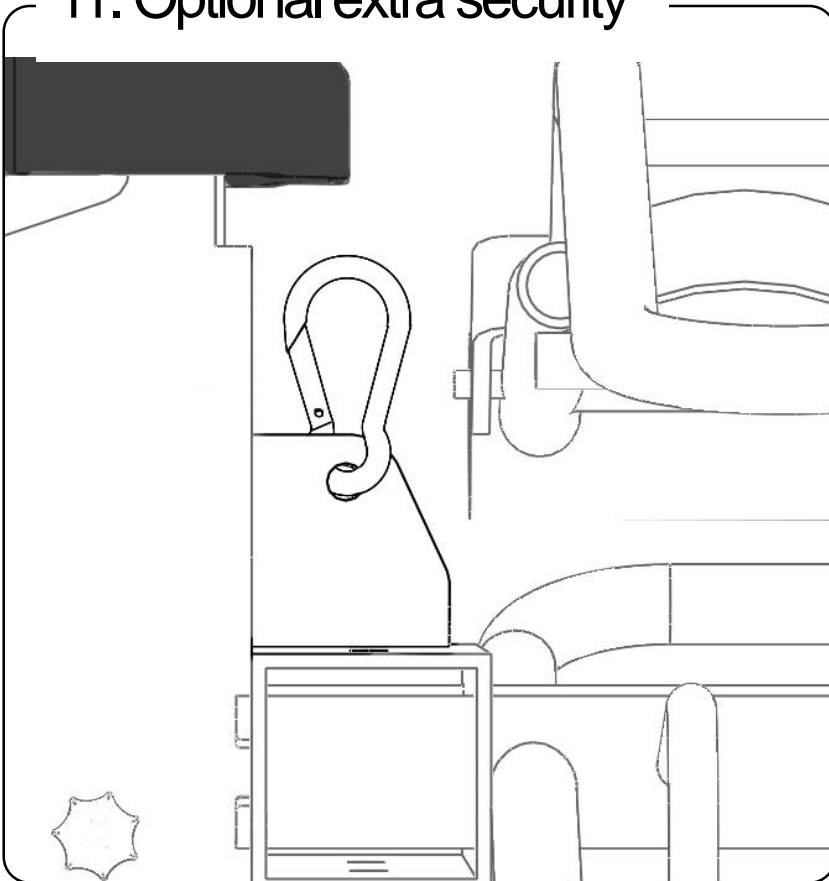
Lock the lift using the lock bolt on the right-hand side of the lift by fully tightening it.

10. Securing the bicycles



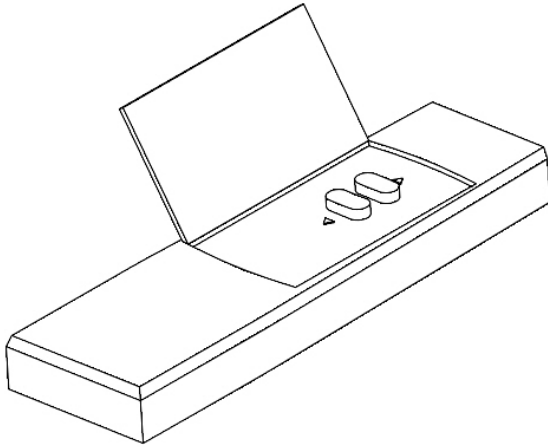
Now the bicycles can be further secured around the wheels by means of the lashing straps included. The bicycle, or bicycles, are now fully secured onto the Tilly Light.

11. Optional extra security



The carabine hook on the bicycle carrier offers the possibility to mount extra straps for securing the bicycles.

1. Remote control



Fold down the lid of the remote control. Make sure the remote control is stored in a safe place in the car, so that it cannot be operated accidentally as a result of the car's movements causing the lift to be activated while driving.

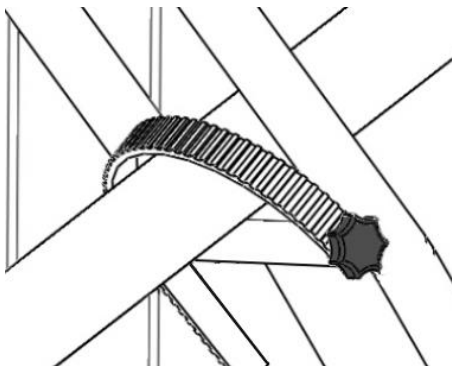
2. Advised speed



The advised speed when crossing a speed ramp with the Tilly Light is 30 kilometres per hour.

Never exceed a maximum speed of 120 kilometres per hour.

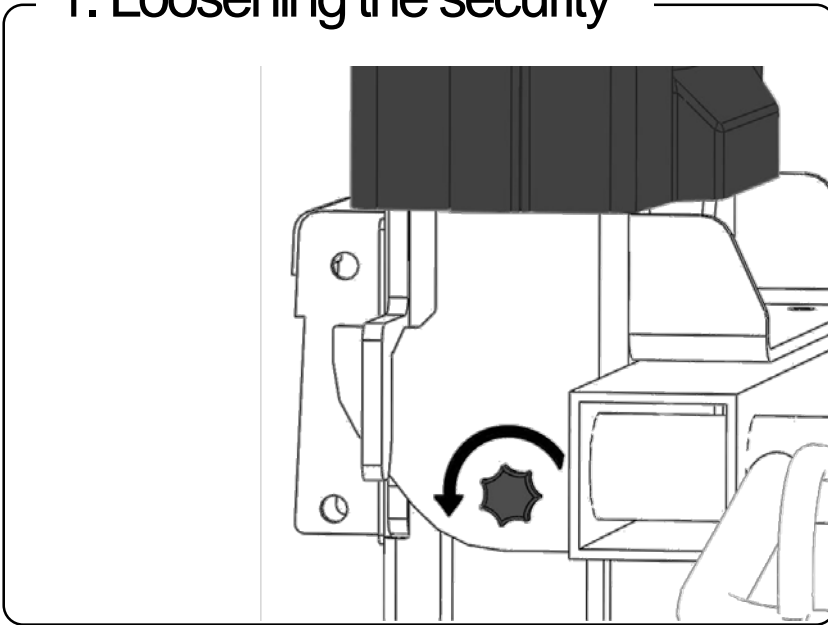
3. Check



After a few kilometres, check whether the Tilly Light and the bicycles are still properly secured. Repeat this check regularly during long drives.

REMOVING THE BICYCLES

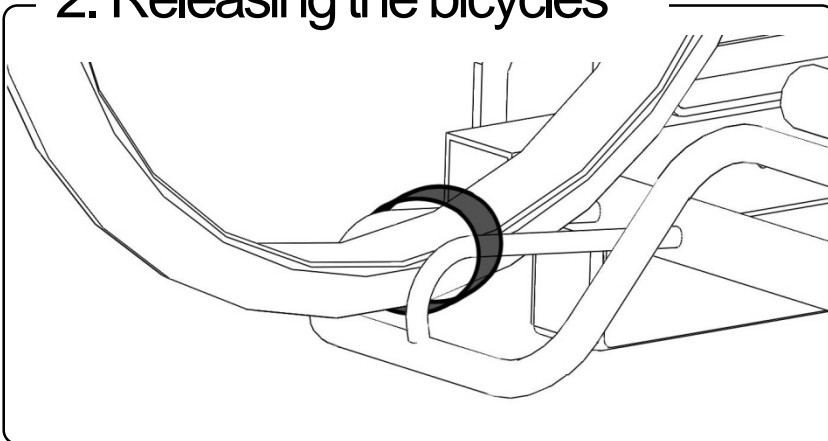
1. Loosening the security



Loosen the lock bolt to unlock the lift.

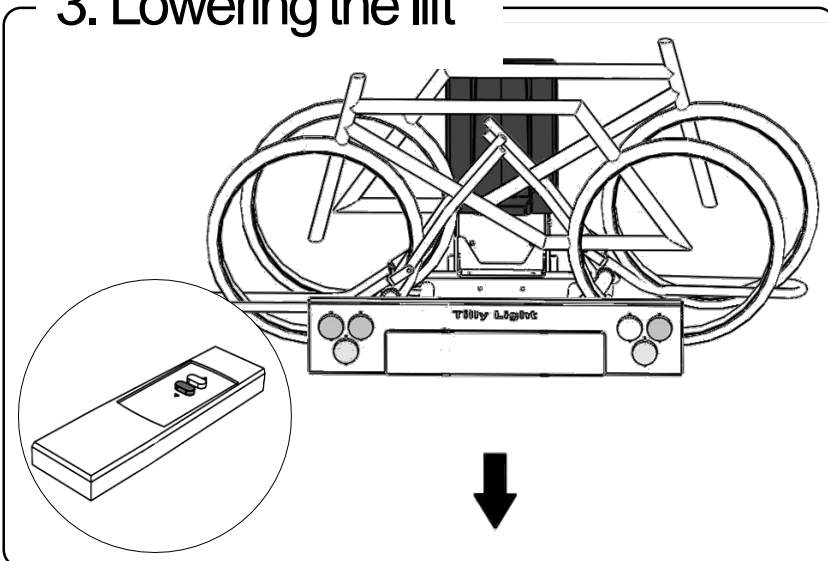
! Do not lower the lift until you have performed step 1. If the lift will not lower, loosen the lock bolt further.

2. Releasing the bicycles



Loosen the straps around the wheels. Next, mount the straps onto the Tilly Light so that they are at hand when you next use the bicycle carrier.

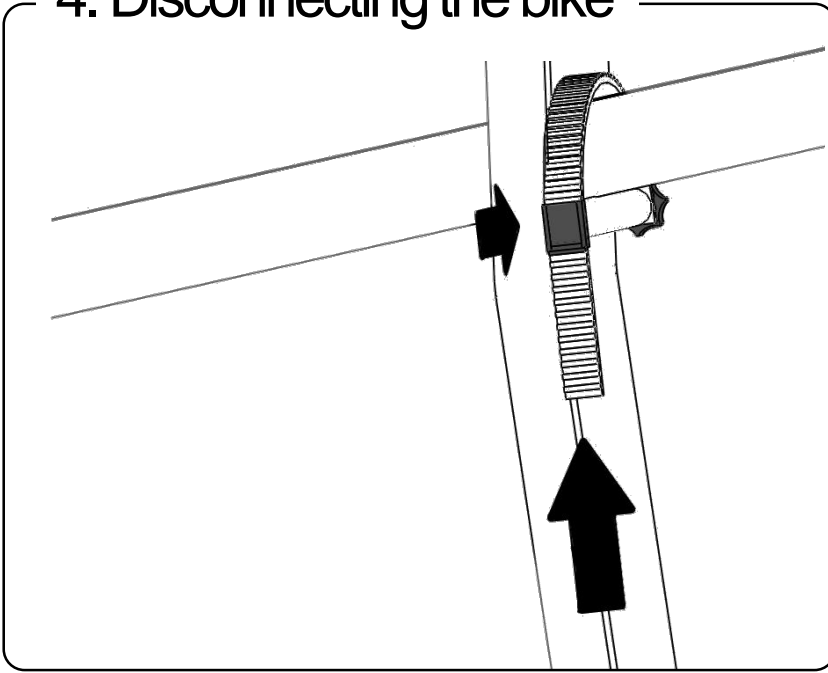
3. Lowering the lift



Lower the lift using the remote control.

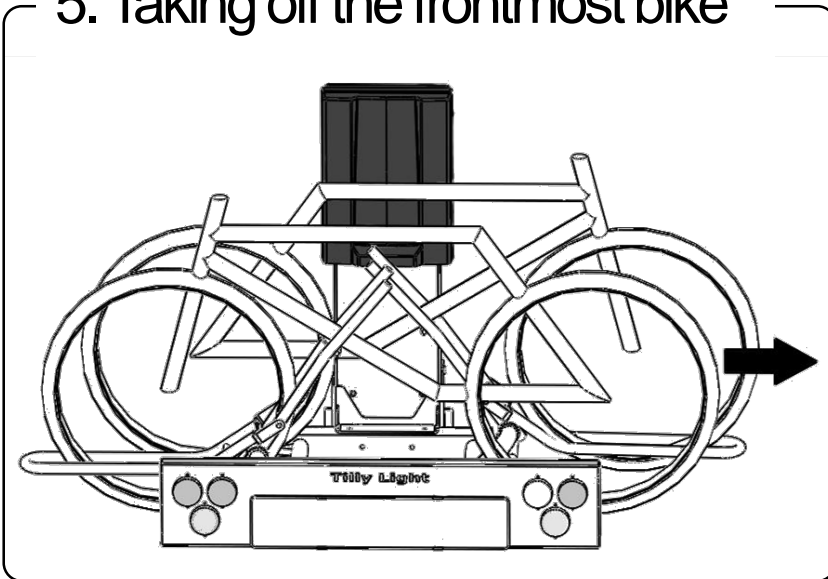
! Ensure a minimum distance of 1 metre to the Tilly Light while operating the remote control.

4. Disconnecting the bike



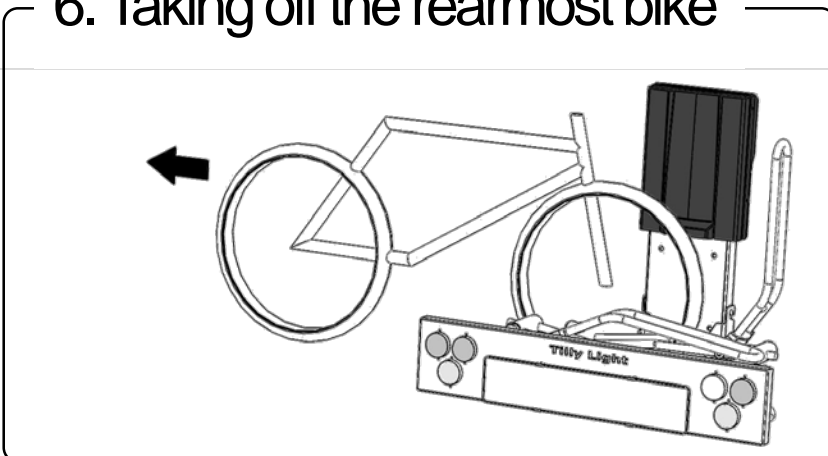
Release the bike by pressing in the buckle and opening the ratchet strap.

5. Taking off the frontmost bike



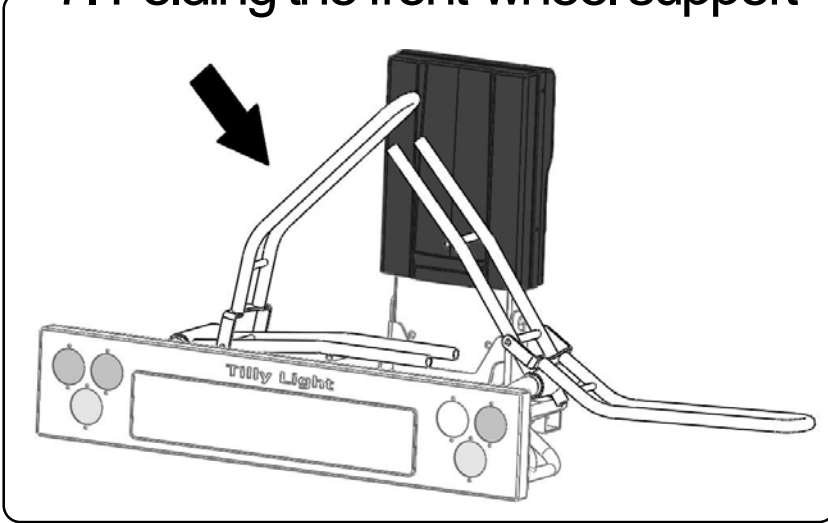
Ride the frontmost bike backward off the bicycle carrier. The front-wheel support will follow the movement.

6. Taking off the rearmost bike



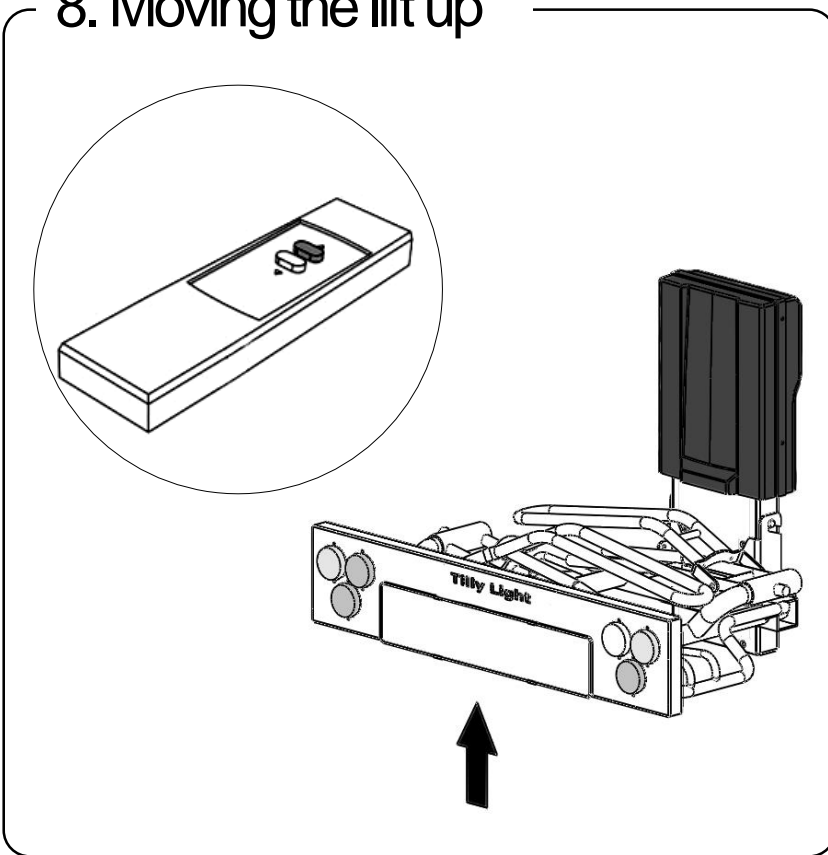
Next, ride the rearmost bike from the Tilly Light.

7. Folding the front-wheel support



Fold in the front-wheel supports.

8. Moving the lift up

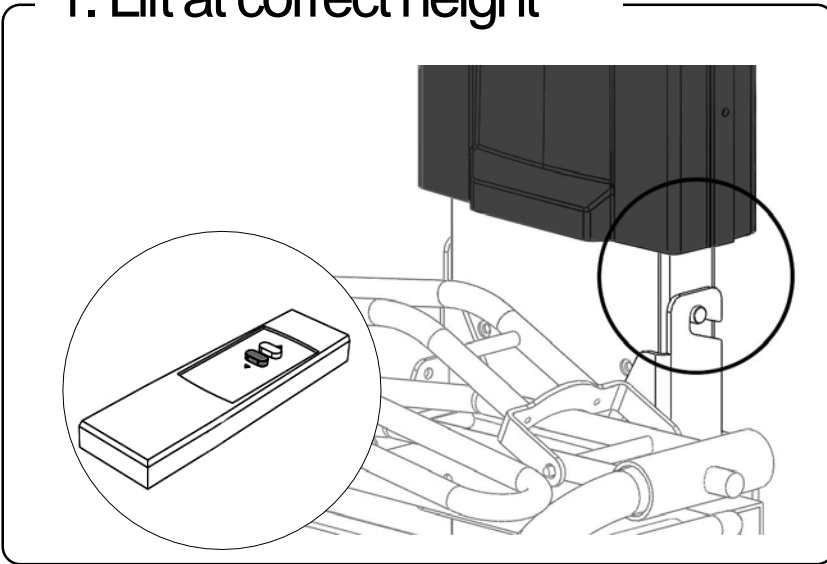


Move the lift up using the remote control.

! Ensure a minimum distance of 1 metre to the Tilly Light while operating the remote control.

DISMOUNTING FROM CAR

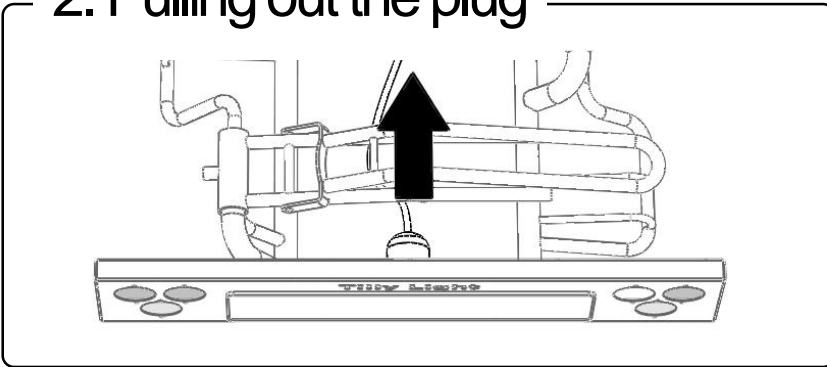
1. Lift at correct height



Position the lift at the correct height by ensuring that both the suspension stud and the suspension hook are fully visible.

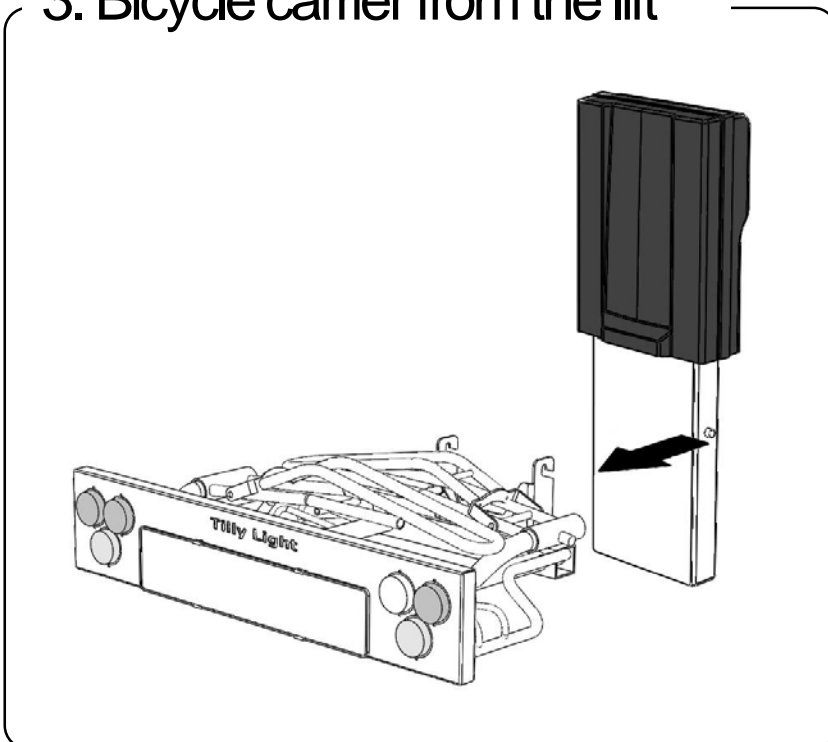
! Ensure a minimum distance of 1 metre to the Tilly Light while operating the remote control.

2. Pulling out the plug



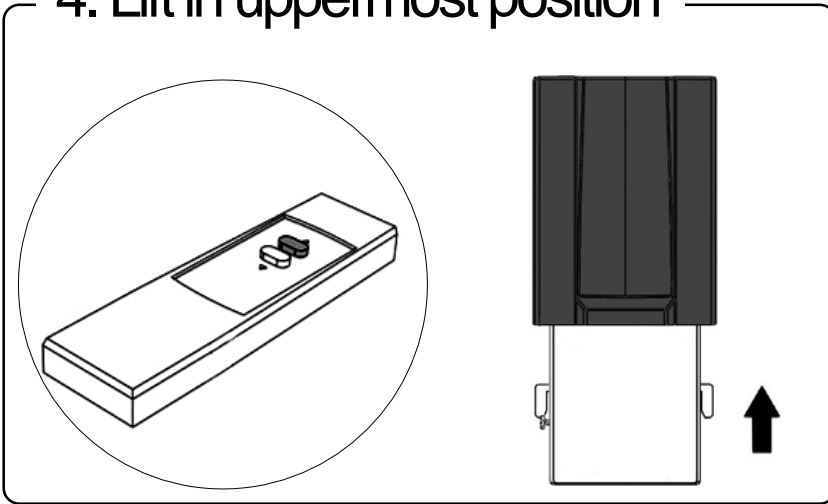
Remove the light plug from the light bar by turning it a quarter turn and pulling out the plug.

3. Bicycle carrier from the lift



Take the bicycle carrier from the lift by slightly tilting the light bar while lifting the bicycle carrier.

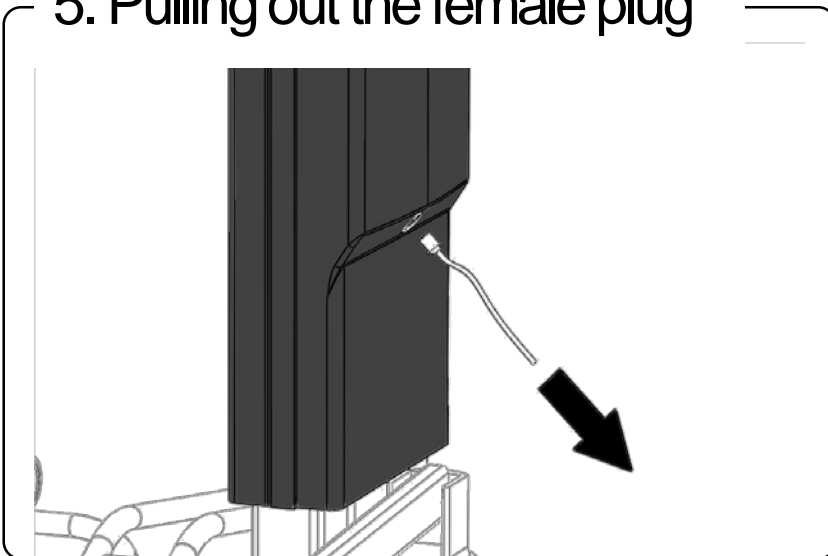
4. Lift in uppermost position



Move the lift up to its uppermost position.

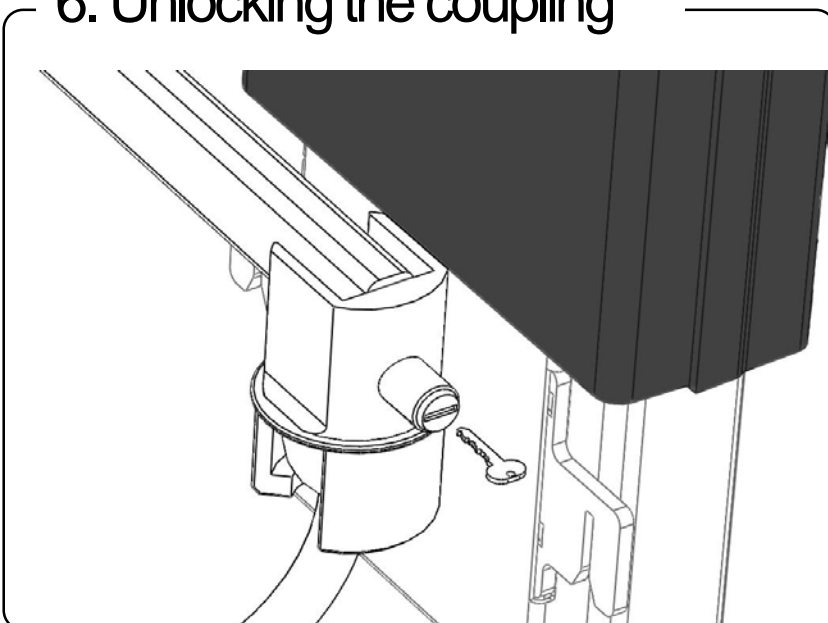
! Ensure a minimum distance of 1 metre to the Tilly Light while operating the remote control.

5. Pulling out the female plug



Unlock the contact plug by tipping up the lock. Next, remove the female plug from the lift.

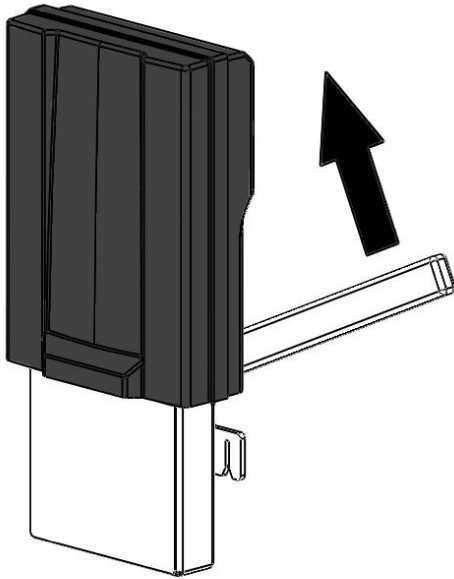
6. Unlocking the coupling



Use the key to unlock the towing-hook coupling.

! After unlocking, make sure to remove the key from the lock.

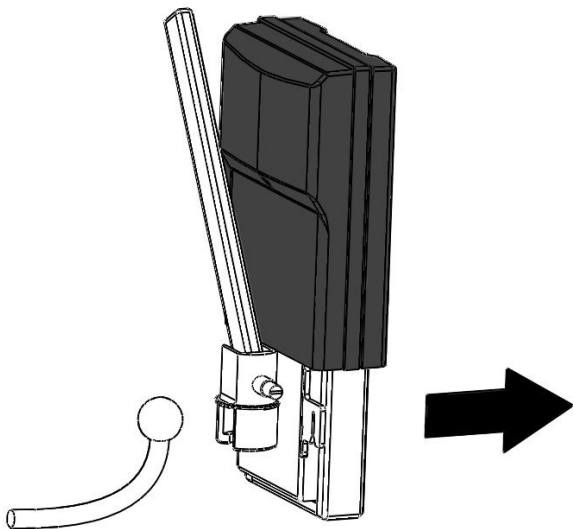
7. Releasing the coupling



The tow-hook coupling is released by moving the lever up.

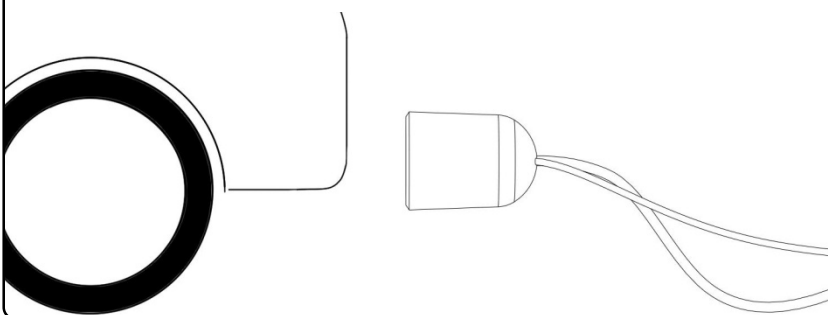
! Note that the lever should not be allowed to be moved up while the towing-hook coupling is still locked.

8. Lifting the lift



Lift the lift off the towing hook.

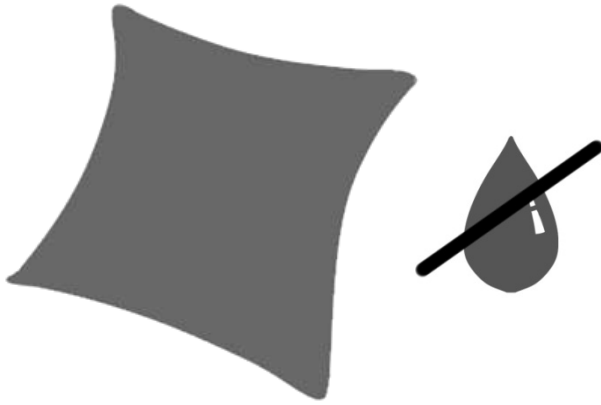
9. Removing the plug



Disconnect the car's plug by turning it a quarter turn and pulling it out.

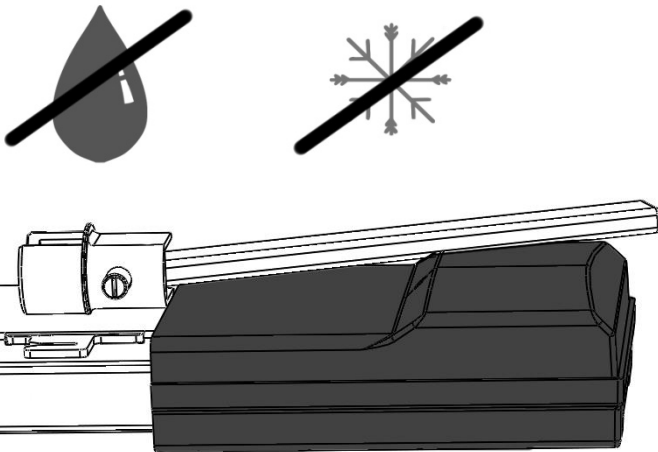
STORAGE

1. After use



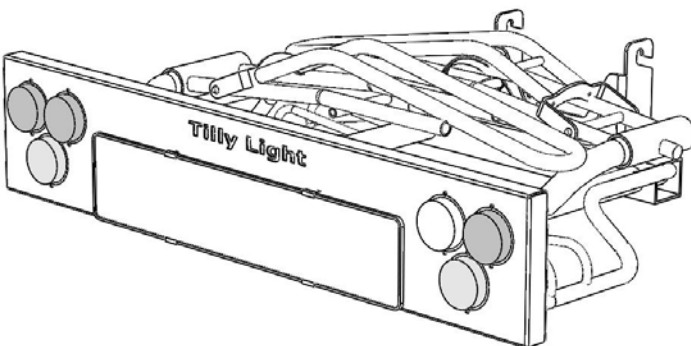
Make sure to clean and dry the Tilly Light after each use. Do not use water to clean the Tilly Light, but use a moist cloth instead.

2. Storage



Store the Tilly Light in a dry and frost-free place.

3. Check



Regularly check to make sure all components of the Tilly Light are still secure.

Specifications

Maximum carrying weight	55 kg (at maximum ball pressure of 75 kg)
Maximum weight of 1 bicycle	27.5 kg
Maximum stroke of the lift	30 cm
Width extended	150 cm
Distance between the 2 bicycles	25 cm
Number of bicycles	2
Maximum tyre size bicycle	5 cm
Maximum frame thickness bicycle	6.5 cm
Maximum wheel base bicycle	115 cm
Plug connection	Jaeger 13-pole (Tilly adapter for 7-pole plug can be ordered from www.tillylight.nl)
Weight of lift	11.7 kg
Weight of carrier part	9 kg
Weight overall	20.7 kg
Package size bicycle carrier (l x w x h)	90 x 67 x 20 cm
Package size lift (l x w x h)	25 x 20 x 54 cm
Lighting:	Rear lights + brake light Indicators left and right Fog lamp Reversing light Number-plate lighting