

TRANSLATION OF THE ORIGINAL OPERATING INSTRUCTIONS

CENTURION VARIO

DIN 79010 "CYCLES – TRANSPORTATION BIKES AND CARGO BIKES"

DIN EN 15194 "CYCLES – ELECTRICALLY POWER ASSISTED CYCLES – EPAC BICYCLES"

MACHINERY DIRECTIVE 2006/42/EC

ATTENTION!

Read at least pages 1–12 before your first ride!

Perform the functional check on pages 13–15 before every ride! Observe the chapter "Intended use" and the bike card!

Frame:

- 1 Top tube
- 2 Down tube
- 3 Seat tube
- 4 Rear stay
- 5 Chainstay
- 6 Head tube

- a Motor/drive unit
- b Rechargeable battery
- c Display and control unit

Suspension fork:

- I Fork crown
- II Stanchion tube
- III Lower leg
- IV Dropout



Pay particular attention to the following symbols:

⚠ WARNING

This symbol indicates a hazardous situation which could result in death or serious injury – if the relevant operational instructions are not followed or if the relevant protective measures are not taken.

⚠ CAUTION

This symbol indicates a hazardous situation which could result in minor or moderate injury – if the relevant operational instructions are not followed or if the relevant protective measures are not taken.

NOTICE

This symbol is used to address practices not related to physical injury – which may, however, result in damage to property and the environment.

SAFETY INSTRUCTIONS

This symbol indicates specific safety-related instructions or procedures about how to handle the product or refers to a section in the original operating instructions that deserve your particular attention.

The described possible consequences will not be repeated in these original CENTURION operating instructions every time one of the symbols appears.

This is the translation of the original CENTURION operating instructions. For the sake of better legibility, the short form original CENTURION operating instructions is used throughout the following text.

Original CENTURION operating instructions

The **CENTURION VARIO transportation bike** is the subject of these original CENTURION operating instructions.

These original CENTURION operating instructions are supplementary instructions as to the characteristics of transportation bikes. They form a system together with the original CENTURION operating instructions for EPAC bicycles and the system instructions of the drive system manufacturer BOSCH that you received together with your CENTURION VARIO transportation bike.

- These **original CENTURION operating instructions** describe the special features of handling your transportation bike VARIO.
- The **original CENTURION operating instructions for EPAC/EAPC bicycles** provide extensive information on how to operate your electric bike and a lot of interesting facts about technology, maintenance and care.
- The **system instructions of the drive system manufacturer BOSCH** provides you with further details on the drive system.

Be sure to also observe the comprehensive CENTURION user manuals and the instructions of the component manufacturers which you can find for download on the CENTURION website.

<https://www.centurion.de/manuals>



[centurion.de/manuals](https://www.centurion.de/manuals)

Table of contents

Some notes on these original CENTURION operating instructions	3
General safety instructions	4
Intended use	7
Before your first ride with your CENTURION VARIO	10
Before every ride with your CENTURION VARIO	13
After an accident	16
Useful tips for riding your CENTURION VARIO	18
Transportation of passengers and goods	19
Transportation of passengers	19
Accessories	23
Mounting the accessories	24
Passenger kit	24
Transport bar	25
Thule® child seats	26
Front pannier rack	29
Handle	30
Pannier bags	31
Front pannier rack bag	32
Foot rests	33
Foot pegs	34
Folding lock	35
Tyre puncture	35
Transporting the CENTURION VARIO	35
Service and maintenance	36
Legal requirements for riding on public roads	38
Warranty and guarantee	39
A note on wear	39
Guarantee on CENTURION bikes	40
Bike card	41

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Technical details in the text and illustrations of this manual are subject to change.

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For the sake of better legibility, the male form is used with personal names and personal nouns throughout these original operating instructions. The terms in question principally apply to all genders in the spirit of equal treatment. The abbreviated language form is used solely for editorial reasons and does not represent any value judgment.

Some notes on these original CENTURION operating instructions

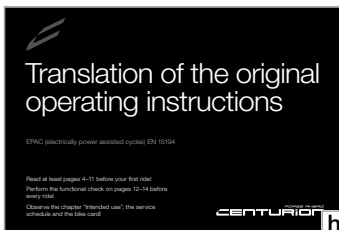
These supplementary instructions for the CENTURION VARIO transportation bike (e-g) contain a wealth of information on the special features and handling of your new CENTURION VARIO which take into account its differences from a conventional electric bike.

These instructions are not intended to help you assemble a CENTURION VARIO transportation bike from individual components, to repair it or to make a partly assembled CENTURION VARIO ready for use.

For other than the shown or designated CENTURION VARIO transportation bike these original CENTURION operating instructions are not applicable.

Technical details in the text and illustrations of the original CENTURION operating instructions are subject to change.

This operating instructions system complies with the requirements of the **DIN 79010** standard “Cycles – Transportation bikes and cargo bikes”, the **DIN EN 15194** standard “Cycles – Electrically power assisted cycles – EPAC bicycles” as well as the **Machinery Directive 2006/42/EC**.



These original CENTURION operating instructions are subject to European law. If the CENTURION VARIO transportation bike is delivered to countries outside Europe, supplementary instructions have to be provided by the manufacturer.

SAFETY INSTRUCTIONS

Keep these original CENTURION operating instructions for future reference and hand it over to the respective user, in case you sell, lend or pass on the CENTURION VARIO.

Always keep yourself informed at www.centurion.de

You find the comprehensive CENTURION operating instructions (h), the system instructions of your drive system manufacturer and the instructions of the component manufacturers for download on the CENTURION website:

<https://www.centurion.de/manuals>



[centurion.de/manuals](https://www.centurion.de/manuals)

General safety instructions

Dear CENTURION customer,

In purchasing this CENTURION VARIO **(a)** you have chosen a product of high quality. Each component of your new CENTURION VARIO has been designed, manufactured and assembled with great care and expertise. Your CENTURION VARIO has been fully assembled and undergone a functional check. Either it has been assembled for you ready for use by your CENTURION dealer or you can make it ready for use with these original CENTURION operating instructions.

Therefore, read and follow these original CENTURION operating instructions before you set off on the CENTURION VARIO. It is only after having observed all the instructions in these original CENTURION operating instructions and performed all necessary tests that you can pedal with pleasure and a confident feeling from the very first metres.

These original CENTURION operating instructions contain a wealth of information on the operation of your CENTURION VARIO and a lot of interesting information about the technology, maintenance and care of transportation bikes. Read these original CENTURION operating instructions thoroughly. We are sure that even if you have been cycling all your life you will find it worthwhile. In particular the technology of electric bikes and transportation bikes has developed at a rapid pace in recent years **(b)**.



Before you set off on your new CENTURION VARIO for the first time, read at least the following chapters:

“Intended use”

“Before your first ride with your CENTURION VARIO”

“Useful tips for riding your CENTURION VARIO”
“Transportation of passengers and goods”

Make it a habit to regularly perform the tests described in the chapter “Before every ride with your CENTURION VARIO”. This is to detect any defects that may have occurred during use.

When doing any adjustments or servicing **(c)**, always be aware that the instructions and notes only refer to this CENTURION VARIO. The tips are not applicable to any other electric bike or transportation bike. Due to a variety of designs and model changes, the routines described may require complementary information.

Be sure to also observe the instructions of the component manufacturers **(d)** that you may have received from your CENTURION dealer.

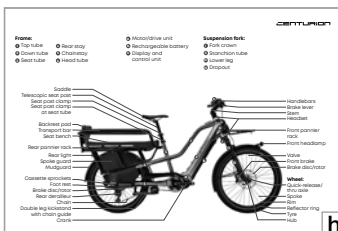
Be aware that these instructions may require further explanation, depending on the experience and/or skills of the person doing the work. For some work you may require additional (special) tools or additional instructions. The original CENTURION operating instructions cannot teach you the skills of a bicycle mechanic.

When riding on public roads be sure your bike is equipped according to the road traffic licensing regulation **(e)**, always ride considerately and observe the traffic rules so as not to endanger yourself or others.

Before you set off, let us point out a few things to you that are very important to every cyclist: Be sure that you and your passengers always wear a properly adjusted helmet **(f)**. Make sure you always wear suitable, bright clothing, also when riding on public roads, as a minimum, however, straight cut trousers and shoes with grip and a firm sole.

These original CENTURION operating instructions cannot teach you how to ride. Be aware that riding a transportation bike is a potentially dangerous activity that requires the rider to stay in control of his or her CENTURION VARIO at all times. Riding a transportation bike requires especially good physical condition, skill and caution **(g)**.

Start by riding your CENTURION VARIO in unloaded condition in an area free of traffic and other road users until you have full control of it.



Then, load your CENTURION VARIO with goods and practise riding it. Do not take children and passengers with you until you feel safe with the handling of your loaded CENTURION VARIO.

As with almost any activity, you can get hurt while riding a transportation bike. When you set off on a transportation bike, you should be aware and accept this risk. Always keep in mind that on a transportation bike you have no safety devices around you (e.g. bodywork, ABS, airbag) like you have in a car. Therefore, always ride carefully and respect the other road users. Never ride under the influence of drugs, medication, alcohol or when you are tired.

Observe the legal regulations for the off-road use of electric bikes or transportation bikes. These regulations differ in different countries. Respect nature when riding through forests and the open countryside. Be sure to only ride on signposted, well maintained trails and roads.

First, we would like to familiarise you with the various components of your CENTURION VARIO. Unfold the cover of these original CENTURION operating instructions. Here you find a CENTURION VARIO showing all the essential components **(h)**. Leave the page unfolded as you read. This helps you to easily locate the components as they are referred to in the text.

⚠ WARNING

In the interest of your own safety, do not overdo it when making any maintenance work or adjustments on your transportation bike. If you are not absolutely sure or have any questions, contact your CENTURION dealer.

During cycling you must not hold onto a moving vehicle or trailer. Keep both hands on the handlebar. Only take your feet off the pedals, if required by the condition of the road. Also bear in mind that riding with headphones is in some countries allowed as long as the acoustic perception is not impaired. Inform yourself about the law situation in the country where you use your transportation bike.

Be sure to never set off before having secured your passengers or the objects in the transport box, i.e. before having actively secured them with safety belts or lashing straps (a). Cargo shifting or fast and strong movements of the passengers may otherwise modify the centre of gravity and result in critical riding situations. Read the chapters “Useful tips for riding your CENTURION VARIO” and “Transportation of passengers and goods”.

**⚠ CAUTION**

A heavily loaded transportation bike can cause more shocks during the ride than a conventional bike. This can lead to discomfort over time. Vibration loads are reduced by the suspension with a suspension fork (b). Ask your CENTURION dealer for advice.

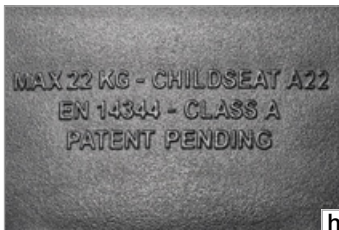
Intended use

There are various categories of transportation and cargo bikes that are equipped according to the respective intended purpose. Your CENTURION VARIO transportation bike belongs to the single-track transportation bikes and is intended for the transportation of passengers and goods.

Due to the single-track design and the comparably short wheel base, the CENTURION VARIO comes very close to the conventional bicycle. A prolonged and strengthened rear pannier rack **(e)** allows the transport of kids or large objects. A front pannier rack **(f)** provides additional possibilities for the transportation of small and light objects.

Your CENTURION VARIO is designed for hard-surface terrains, i.e. for asphalted roads and cycle lanes or gravel field tracks, open to bicycles. Front and rear wheels remain in permanent contact to the ground.

Your CENTURION VARIO is not suitable for mountain bike use and jumps. The suspension fork assembled is to improve comfort and not for riding off-road.



Your CENTURION VARIO was specifically designed for transporting cargo as well as larger and heavier objects **(g)**.

With specific seats and handles your CENTURION VARIO transportation bike is also suitable for transporting children **(h)**.

Riding a transportation bike especially in loaded condition requires special skills and caution.

Be sure to use your CENTURION VARIO according to its intended purpose only. Otherwise there is the risk that the CENTURION VARIO may not withstand the stress and fail. This can result in an accident with unforeseeable consequences.

In addition, improper use will invalidate the warranty. Ask your CENTURION dealer to confirm the category your CENTURION VARIO belongs to. Have a look at your bike card.

The **maximum permissible overall weight** is made up as follows:

- Weight CENTURION VARIO 33 kg
- + Rider's weight (kg)
- + Load on rear pannier rack or child seat with child(ren) in the rear, incl. accessories: **max. 70 kg**
- + Load front pannier rack: **max. 15 kg**
- + Overall weight trailer incl. cargo and/or passenger(s): **max. 45 kg**
- = **Maximum permissible overall weight 180 kg**

If you are not absolutely sure or have any questions, contact your CENTURION dealer.

You are allowed to transport passengers on your CENTURION VARIO under the following conditions:

– **In Thule® Yepp Maxi EASY Fit child seats with transport bar (a):**

Maximum 2 children from 1 to at least 4 years old with a maximum weight of 22 kg per child

– **In passenger kit with transport bar, seat bench including backrest pad, foot rests and spoke guard (b):**

Maximum 2 children from the age of 5 years at the earliest

– **On the seat bench with handle and spoke guard (c):**

Maximum one child or young adult from 11 years and up to a maximum of 70 kg

– **In the bicycle trailer:**

Maximum 2 children up to a maximum overall weight of the trailer of 45 kg

The transporting person must be 16 years old at least.

You find detailed information on transporting passengers and objects in the chapter “Transportation of passengers and goods”.



⚠ WARNING

- Be sure to never set off before having secured your passengers in the child seat or on the passenger kit or the objects in the transport box, i.e. before having actively secured them with safety belts or lashing straps. Cargo shifting or fast and strong movements of the passengers may otherwise modify the centre of gravity and result in critical riding situations. Read the chapter “Transportation of passengers and goods”.
- Both cargo and passengers modify the riding characteristics of your CENTURION VARIO in general and lengthen the braking distance! Therefore, practise riding and braking with your loaded CENTURION VARIO in a place free of traffic. Ride particularly considerably and anticipate critical situations. Read the chapter “Useful tips for riding your CENTURION VARIO”.
- Adjust the tyre pressure to the additional weight. The maximum pressure is indicated on the tyre side (d).
- Tell your child or the children you are taking along not to stretch their arms or legs beyond the transport bar or child seat during the ride. Fast and strong movements of your child have a negative effect on the riding stability.

WARNING

Before you set off, make sure your child is strong enough to withstand the shocks and forces occurring during the ride.

Your CENTURION VARIO is designed for a maximum permissible overall weight of 180 kg including rider, passenger(s) and/or cargo, accessories and CENTURION VARIO (e). You find more details on the permitted distribution of the weight further above in this chapter.

Do not overestimate your own strength and keep in mind that the possible cargo should not exceed the rider's own weight. Otherwise, this may result in the fact that you lose control of your CENTURION VARIO in critical situations.

NOTICE

Keep in mind that a lot of additional load also increases wear. Therefore, check the condition of the wearing parts (f) regularly, at least as indicated in the chapter "Service and maintenance schedule" in your comprehensive CENTURION user manual for trekking bikes. Under adverse conditions, e.g. when you ride a lot in rainy and dirty conditions and with lots of additional loads or when you cover a lot of altitude metres, you have to anticipate even clearly shorter intervals.



Service schedule		CENTURION			
1st service - After 100 - 200 kilometers or 5 - 15 hours of use at the latest or after three months from date of purchase.	Order no.:	Date:	3rd service - After 4,000 kilometers or 200 hours of use at the latest or after 180 days.	Order no.:	Date:
Replaced or repaired parts:			Replaced or repaired parts:		
_____			_____		
_____			_____		
_____			_____		
_____			_____		
_____			_____		
_____			_____		
_____			_____		
Stamp and signature of the CENTURION dealer:			Stamp and signature of the CENTURION dealer:		



NOTICE

All details in these original CENTURION operating instructions refer to the private use of the CENTURION VARIO. Commercial use affects the time intervals between servicing (g) of the CENTURION VARIO and can shorten them significantly. More frequent servicings by your CENTURION dealer are absolutely necessary in this case. Contact your CENTURION dealer.

SAFETY INSTRUCTIONS

Your CENTURION VARIO is longer and possibly wider than conventional bicycles or electric bikes. Bike-parking facilities do not always offer enough space for transportation bikes. Make sure that you neither obstruct the road nor the cycle lane/footpath, e.g. for wheelchair users, when parking your CENTURION VARIO.

Under certain conditions you are allowed to take children of various age groups along with your CENTURION VARIO (h). Read the information further above in this chapter and in the chapters "Transportation of passengers" and "Legal requirements for riding on public roads" and observe the instructions.

If you want to use the CENTURION VARIO in a country other than Germany, Austria or Switzerland, inform yourself about the regulations in this country.

The regulations and rules for transportation bikes are continuously revised. Read the daily press to keep yourself informed about current legislative changes.

Before your first ride with your CENTURION VARIO

1. In order to be allowed to participate in road traffic, there are **legal requirements**. They vary from country to country.

Your CENTURION VARIO is equipped to be used in road traffic in Germany, Austria and Switzerland **(a)**.

If you want to use your CENTURION VARIO in another country, you may have to equip it to the requirements in this country. Ask your CENTURION dealer about the laws and regulations applicable in the country where you intend to use your CENTURION VARIO.

For more information see the chapter “Legal requirements for riding on public roads” in your comprehensive original CENTURION operating instructions for trekking bikes.



2. **Are you familiar with the brake system?** Read the bike card and check whether the brake lever of the front brake **(b)** is on the side you are used to (right or left). If it is not, ask your CENTURION dealer to switch the brake levers before you set off for the first time.

Your new bicycle is equipped with modern brakes **(c)** which may be far more powerful than those you were used to so far. Be sure to first practise using the brakes on a level, non-slip surface off public roads!

For more information see the chapter “Brake system” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

3. **Are you familiar with the type and functioning of the gears (d)?** Ask your CENTURION dealer to explain the gear system to you and make yourself familiar with your new gears in an area free of traffic.

For more information see the chapter “The gears” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

4. **Are saddle and handlebar properly adjusted?** The saddle should be set to a height from which you can just reach the pedal in its lowest position with your heel **(e)**. Check whether your toes reach to the floor when you are sitting on the saddle **(f)**. Your CENTURION dealer will be pleased to help you, if you are not happy with your seating position.



Keep in mind: especially with transportation bikes a safe stand is of major importance. Therefore, set the saddle in a rather low position, at least to begin with.

For more information see the chapter “Adjusting the CENTURION bike to the rider” in your comprehensive original CENTURION operating instructions for trekking bikes.



5. **Your CENTURION VARIO is equipped with a suspension fork (g).** You should ask your CENTURION dealer to properly adjust the suspension fork. An improperly adjusted suspension fork is liable to malfunction or damage to the suspension fork. In any case, this affects the riding behaviour and you will not achieve maximum riding safety and fun.



For more information see the chapter “Suspension forks” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.



6. **Are you familiar with the accessory parts of your CENTURION VARIO and their assembly (h)?** Ask your CENTURION dealer to explain them to you and read the chapter “Accessories” in these original CENTURION operating instructions.
7. **Start by riding your CENTURION VARIO** in unloaded condition in an area free of traffic and other road users until you have full control of it. Also practise cornering and riding downhill as well as braking and emergency braking. Once you feel secure, try out riding with cargo or passengers that you should increase gradually.

For more information see the chapters “Useful tips for riding your CENTURION VARIO” and “Transportation of passengers and goods”.

⚠ WARNING

Be sure to use the CENTURION VARIO only for its intended purpose, as it may otherwise not withstand the stress and fail.

Be sure to never set off before having secured your passengers in the child seat or on the passenger kit or the objects in the transport box, i.e. before having actively secured them with safety belts or lashing straps (a). Cargo shifting or fast and strong movements of the passengers may otherwise modify the centre of gravity and result in critical riding situations. Read the chapter “Transportation of passengers and goods”.

Both cargo and passengers (b) modify the riding characteristics of your CENTURION VARIO in general and lengthen the braking distance! Therefore, practise riding and braking with your loaded CENTURION VARIO in a place free of traffic (c). Then slowly increase the weight of the load. Ride particularly considerately and anticipate critical situations. Read the chapter “Useful tips for riding your CENTURION VARIO”.

Be aware that the distance you need to stop increases, when you ride with passengers or heavy load. Be sure to ride particularly cautiously when riding on sloping roads and in bends.

**⚠ CAUTION**

The CENTURION VARIO is clearly heavier and bigger than your standard bicycle or electric bike. Get help if needed, when you have to lift your CENTURION VARIO, e.g. for adjusting or checks. Be sure to lift in a way that it does not hurt your back.

Make particularly sure there is enough space between your crotch and the top tube (d) so that you do not hurt yourself, when you have to get off your quickly.

The A-weighted emission sound pressure level at the rider's ears is less than 70 dB(A).

NOTICE

We recommend that you take out private liability insurance. Make sure that coverage for this kind of damage is provided by your insurance. Contact your insurance company or agency.

Before every ride with your CENTURION VARIO

Your CENTURION VARIO has undergone numerous tests during production and a final check has been carried out by your CENTURION dealer. Nevertheless, be sure to check the following points before every ride to exclude any malfunctioning that may be due to the transport of the CENTURION VARIO or to a work a third person may have performed on your CENTURION VARIO during a standstill:

1. Are the **quick-release levers (e)** or the **bolted connections** of the front and rear wheel, the seat post and other components **properly closed?** For more information see the chapter “How to use the quick-releases” in your comprehensive original CENTURION operating instructions for trekking bikes.
2. **Are the tyres in good condition and do they have sufficient pressure (f)?** A higher pressure gives a better riding stability and reduces the risk of a puncture. The minimum and maximum pressure (in bar or psi) is indicated on the tyre side. For more information see the chapter “The wheels and the tyres” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.
3. **Are the passengers and the objects to be transported properly secured?** This is to avoid a shifting of the cargo.



Make sure the load distribution is as centred, deep and even as possible. Always check the correct fit of your child's seat belt before you set off.

For more information see the chapter “Transportation of passengers and goods”.

4. **Let both wheels rotate freely (g)** to check whether the rims run true. Observe the gap between the frame and the rim or tyre. Poor concentricity can also be an indication of laterally burst tyres, broken axles or torn spokes.

For more information see the chapter “The wheels and the tyres” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

5. **Do a brake test at standstill** by forcefully pulling the brake levers towards the handlebar (h).

With **disc brakes** you should have a stable pressure point at once. If you have to actuate the brake lever more than once to get a positive braking response, have the CENTURION VARIO checked by your CENTURION dealer. You should not be able to pull the lever all the way to the handlebar.

If you have hydraulic brakes, check the hydraulic brake hoses for oil or brake fluid leaks! Also check the thickness of the brake pads.

For more information see the chapter “Brake system” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

6. **Take hold of all add-on parts once, such as the child seat, the front pannier rack and the transport bar** and carefully try moving the parts back and forth to check their reliable fit.

If components are not properly tight, realign them if necessary and carefully tighten the bolts until the components are securely clamped. The maximum torque values are specified directly on the components or in these original operating instructions.

7. **In order to be allowed to participate in road traffic**, there are legal requirements. They vary from country to country. Your CENTURION VARIO is equipped to be used in road traffic in Germany, Austria and Switzerland **(a)**.

Riding without lights and reflectors in poor visibility and in the dark is very dangerous. If you ride on public roads, you always need an approved lighting system. Switch on the light as soon as it gets dark.

For more information see the chapter “Legal requirements for riding on public roads” in your comprehensive original CENTURION operating instructions for trekking bikes.



8. **Your CENTURION VARIO is equipped with a suspension fork.** Press down on your CENTURION VARIO and see whether the suspension fork retracts and extends as usual **(b)**. For more information see the chapter “Suspension forks” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.
9. Make sure the mounted **kickstand** is fully raised before you set off. **Risk of accident!**
10. Do not forget to take a **high quality D-, folding (c) or chain lock** with you on your ride. The only way to effectively protect your CENTURION VARIO against theft is to lock it to an immovable object.
11. Check the **state of charge of the rechargeable battery** of your CENTURION VARIO **(d)** before you set off. For more information see the original CENTURION operating instructions for EPAC bicycles supplied with your CENTURION VARIO.

You find the comprehensive CENTURION operating instructions as well as the system instructions of your drive system manufacturer on the CENTURION website:

<https://www.centurion.de/manuals>



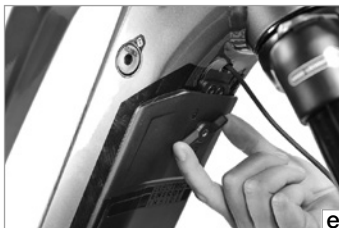
⚠ WARNING

Improperly closed fastenings (e) can cause components of the CENTURION VARIO to come loose.

Adjust the tyre pressure to the additional weight. The maximum pressure is indicated on the tyre side (f).

The bolted connections have to be tightened to the prescribed torque values. Use a torque wrench (g) and never exceed the maximum torque values! You find them on the components themselves, in your comprehensive original CENTURION operating instructions for trekking bikes and/or in the instructions of the component manufacturers.

Your CENTURION VARIO is subjected to a lot of stress resulting from the surface of the ground and the forces that you apply to the CENTURION VARIO. Due to these dynamic loads, the different components react with wear and fatigue. Check your CENTURION VARIO regularly for signs of wear, scratches, deformations, colour changes or incipient cracks (h). Components which have reached the end of their service life may fail suddenly. Let your CENTURION dealer maintain and service your CENTURION VARIO regularly. In cases of doubt it is always best to replace components.



⚠ WARNING

Do not use your CENTURION VARIO, if it fails on one of these points. If you are not absolutely sure or have any questions, contact your CENTURION dealer.

⚠ CAUTION

The CENTURION VARIO is clearly heavier and bigger than your standard bicycle or electric bike. Get help if needed, when you have to lift your CENTURION VARIO, e.g. for adjusting or checks. Be sure to lift in a way that it does not hurt your back.

After an accident

1. Check whether the **front and rear wheels** are still firmly fixed in the dropouts **(a)** and whether the rims are still centred with respect to the frame or fork. Spin the of front and rear wheel and observe the gap between frame and rim or tyre.



For more information see the chapters “Brake system”, “How to use the quick-releases”, “The wheels and the tyres” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

2. Check that the **handlebar and the stem** are neither bent nor broken and that they are level and upright **(b)**. Make sure the stem is firmly fixed on the fork by trying to turn the handlebar relative to the front wheel **(c)**. Briefly lean on the brake levers to make sure the handlebar is firmly fixed in the stem. Realign the components, if necessary, and gently tighten the bolts to ensure a reliable clamping of the components.



The maximum torque values are specified directly on the components or in the instructions of the component manufacturers, possibly supplied. For more information see the chapters “Adjusting the CENTURION bike to the rider”, “The headset” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

3. Check whether the **chain still runs on the chainwheels and the sprockets**. If your CENTURION VARIO fell over to the chain side, verify the proper functioning of the gears. Ask a helper to lift the CENTURION VARIO by the rear pannier rack and carefully shift through the gears. Pay particular attention when shifting to the small gears and make sure the rear derailleur does not get too close to the spokes **(d)** as the chain climbs onto the larger sprockets.

If the rear derailleur or the dropouts/derailleur hanger are bent, the rear derailleur may collide with the spokes or the chain may slip. This can result in damage to the rear derailleur, the rear wheel and the frame.

For more information see the chapter “The gears” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

4. **Make sure the saddle is not out of alignment using the top tube** or the bottom bracket shell as a reference. If necessary, open the clamping, realign the saddle and retighten the clamping.

For more information see the chapters “Adjusting the CENTURION bike to the rider”, “How to use the quick-releases” in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

5. **Touch all add-on parts once, such as the child seat, the front pannier rack (e) and the transport bar (f) and try carefully moving the parts back and forth to check their reliable fit.**

If components are not properly tight, realign them if necessary and carefully tighten the bolts until the components are securely clamped. The maximum torque values are specified directly on the components or in these original operating instructions.

6. **Finally, take a good look at the whole CENTURION VARIO to detect any deformations, colour changes or cracks (g).**



Ride back very carefully by taking the shortest route possible and without additional load and passengers, if possible, even if your CENTURION VARIO (h) went through this check without any problems. Do not accelerate or brake hard and do not ride out of the saddle. If you have any doubts about the suitability for use of your CENTURION VARIO, leave it and organise a transport to your CENTURION dealer.

Back home you need to check the CENTURION VARIO thoroughly. The damaged parts must be repaired. Ask your CENTURION dealer for advice.

⚠ WARNING

Deformed components, especially components made of aluminium, can break without previous warning. They must not be repaired, i.e. straightened, because even then there is an imminent risk of accident. This applies in particular to the fork, the handlebar, the stem, the cranks, the seat post and the pedals. When in doubt, it is always recommendable to have these components replaced, as your safety comes first. Ask your CENTURION dealer for advice.

⚠ CAUTION

The CENTURION VARIO is clearly heavier and bigger than your standard bicycle or electric bike. Get help if needed, when you have to lift your CENTURION VARIO, e.g. for adjusting or checks. Be sure to lift in a way that it does not hurt your back.

Useful tips for riding your CENTURION VARIO

Riding a transportation bike requires special skills and caution. Start by riding your CENTURION VARIO in unloaded condition in an area free of traffic and other road users until you have full control of it.

Especially in the beginning, practise getting on and off your CENTURION VARIO (a). If necessary, have another person help you at the beginning until you are used to the weight of your CENTURION VARIO. Also practise riding through bends and in doing so avoid narrow bends. Always ride cautiously and carefully! Also train riding downhill as well as braking and emergency braking.

Also practise parking (jacking up) the CENTURION VARIO (b). For this purpose your CENTURION VARIO is equipped with a kickstand that has two lock-in positions. A first lock-in position to park the CENTURION VARIO at short term without jacking up (c). A second lock-in position for a safe jacking up of your CENTURION VARIO (d). Actuate the remote-control lever next to the control unit of your drive unit to fold up the kickstand.



⚠ WARNING

Make sure not to actuate the remote-control lever of your kickstand accidentally. Especially on slopes, this can lead to the kickstand folding up unintentionally and the CENTURION VARIO tipping over.

Be sure to never use the first lock-in position (c) when taking along your child or children on your CENTURION VARIO.

⚠ WARNING

Be sure to never leave your child or the children you take along unattended on the CENTURION VARIO. Especially not when it is parked on the kickstand. The CENTURION VARIO can fall over.

Be sure to always check that the kickstand is properly locked-in before taking your hands off the CENTURION VARIO.

Practise riding on narrow cycle lanes and push your CENTURION VARIO through narrow places until you get used to the dimensions of your CENTURION VARIO. It is only after you have performed these exercises with your CENTURION VARIO, that you should practise with passengers or cargo, which you should gradually increase. However, before riding with cargo read the chapter "Transportation of passengers and goods". You will quickly notice that the riding characteristics are much more sluggish than that of a conventional bike. Therefore, ride defensively and anticipate a larger turning circle, longer evasive manoeuvres and stopping distances on all your rides.

⚠ WARNING

Be aware that the distance you need to stop increases, when you ride with passengers or heavy load. Be sure to ride particularly cautiously when riding on sloping roads and in bends.

Be aware that pedestrians do not expect a bicycle with the dimensions of a CENTURION VARIO when you approach from behind. Therefore, ride particularly cautiously and with foresight on shared paths for cyclists and pedestrians. If necessary, ring the bell to warn others.

Transportation of passengers and goods

Your CENTURION VARIO was specifically designed for transporting cargo as well as larger and heavier objects **(e)**. To ensure a safe ride despite a heavy load, you need to pay attention to a few points:

- Be sure to load the loading surface area evenly. Heavy packages should be loaded as far down as possible. Make sure that the load is as centred as possible and does not protrude to the side. Secure the cargo against shifting, e.g. by using lashing straps **(f)**.
- Do not overload your CENTURION VARIO. The **maximum permissible overall weight** is made up as follows:

Weight CENTURION VARIO 33 kg

- + Rider's weight (kg)
- + Load on rear pannier rack or child seat with child(ren) in the rear, incl. accessories: **maximum 70 kg**
- + Load front pannier rack: **max. 15 kg**
- + Overall weight trailer incl. cargo and/or passenger(s): **max. 45 kg**

= maximum permissible overall weight 180 kg

- Before you set off, check that you have enough space to sit and that the cargo does not obstruct you. Make sure that the cargo does not impede braking and shifting. Also make sure that long objects do not touch the pedals and obstruct the view.



Transportation of passengers

Since children are very different in their physical and mental development, the ages given here are for reference only. For the sake of your children's safety, evaluate their degree of maturity in a rather conservative way. In addition, observe and comply with the laws and regulations in force in your country regarding the transportation of passengers on bicycles and the necessary safety equipment.

You are allowed to transport passengers on your CENTURION VARIO under the following conditions:

- **In Thule® Yepp Maxi EASY Fit child seats with transport bar (g):**
Maximum 2 children from 1 to at least 4 years old with a maximum weight of 22 kg per child
- **In passenger kit with transport bar, seat bench including backrest pad, (h), foot rests and spoke guard (a, p. 20):**
Maximum 2 children from the age of 5 years at the earliest
- **On the seat bench with handle and spoke guard:**
Maximum one child or young adult from 11 years and up to a maximum of 70 kg
- **In the bicycle trailer:**
Maximum 2 children up to a maximum overall weight of the trailer of 45 kg

The transporting person must be 16 years old at least.

This information complies with the legal requirements for the transportation of passengers in Germany. Inform yourself about the legal requirements for the transportation of passengers in the country where you use your bike and see the chapter “Legal requirements for riding on public roads”.

⚠ WARNING

- Do not overestimate your own strength and keep in mind that the weight of the passenger should not exceed the rider's own weight. Otherwise, this may result in the fact that you lose control of your CENTURION VARIO in critical situations.
- Be sure to only use “Thule® Yepp Maxi EASY Fit” seats (b) approved for your CENTURION VARIO. Observe the age restriction and number of children to be transported as described further above in this chapter.
- Always strap your child and make sure he or she wears a helmet (c). Adjust the length of the seat belts exactly to the size of your child. With too loose belts there is the risk of accident.
- Make a visual inspection before every ride to ensure that passengers and cargo are properly secured. Make it a habit to regularly perform the functional checks described in the chapter “Before every ride with your CENTURION VARIO”.



⚠ WARNING

- Be sure to never set off before having secured your passengers in the child seat or the passenger kit or the objects in the transport box, i.e. before having actively secured them with safety belts or lashing straps. Cargo shifting or fast and strong movements of the passengers may otherwise modify the centre of gravity and result in critical riding situations.
- Check the holder of the child seat or the passenger kit (d) before you set off. If the child seat or the passenger kit is not sufficiently secured, it may come loose.
- Tell your child or the children you are taking along not to stretch their arms or legs beyond the transport bar or child seat during the ride. Fast and strong movements of your child have a negative effect on the riding stability.
- Before you set off, make sure your child or the children you take along is or are strong enough to withstand the shocks and forces occurring during the ride.
- Be sure to never leave your child or the children you take along unattended on the CENTURION VARIO. Especially not when it is parked on the kickstand. The CENTURION VARIO can fall over.

⚠ WARNING

Before you set off, make sure that no belts or parts of the clothing hang down from the child seat or outside the transport box (e). Hanging down belts or loose-fitting clothing can get into the moving parts of your CENTURION VARIO and result in a blocking of the drive unit and, in the worst case, in strangulation.

Observe the specified maximum number of passengers to be transported on your CENTURION VARIO (f). If you are not absolutely sure or have any questions, read further above in this chapter and in the chapter “Intended use”.

Your CENTURION VARIO is designed for a maximum permissible overall weight of 180 kg including rider, passenger(s) and/or cargo, accessories and CENTURION VARIO (g).

You find more details on the permitted distribution of the weight further above in this chapter and in the chapter “Intended use”.



⚠ WARNING

Stow heavy objects in the transport box or on the loading surface as far down and as centred as possible. When distributing the objects make sure your CENTURION VARIO is loaded as evenly as possible (h).

Be aware of a longer stopping distance, when you ride with a loaded transportation bike.

CAUTION

Cover the springs of your saddle, if existing, to prevent your child from crushing his or her fingers.

NOTICE

Keep in mind that a lot of additional load also increases wear. Therefore, check the condition of the wearing parts regularly, at least as indicated in the chapter “Service and maintenance schedule” in your comprehensive CENTURION operating instructions for trekking bikes. Under adverse conditions, e.g. when you ride a lot in rainy and dirty conditions and with lots of additional loads or when you cover a lot of altitude metres, you have to anticipate even clearly shorter intervals.

When parking your CENTURION VARIO do not forget to secure removable accessories with a high-value D-, folding (a) or chain lock. Ask your CENTURION dealer for advice.

Be sure to check the screwed connection of your kickstand every 1000 km (b). Tighten the 8-mm Allen bolt to 35 Nm by using a torque wrench. Be sure to grease the lock-in hook of the kickstand regularly to prevent wear.



a



b



c

SAFETY INSTRUCTIONS

Ask your CENTURION dealer for specific accessories for the transportation of children on your CENTURION VARIO (c).

If you want to use the CENTURION VARIO in a country other than Germany, Austria or Switzerland, inform yourself about the regulations in this country. Ask your CENTURION dealer.

Accessories

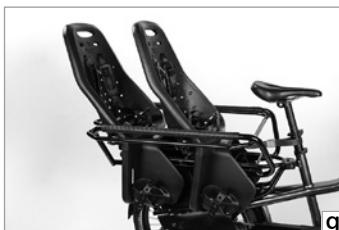
Your CENTURION VARIO is designed to be equipped with various accessories that allow the transportation of passengers and goods:

- transport bar
- passenger kit including backrest pad (e)
- transport box (f)
- pannier bags (f)
- child seat Thule® Yepp Maxi EASY Fit (g)
- foot rests (h)
- foot pegs
- handle
- front pannier rack bag

Ask your CENTURION dealer to instruct you how to mount the accessories to your CENTURION VARIO and read the chapter “Mounting the accessories” in these original CENTURION operating instructions.

SAFETY INSTRUCTIONS

Contact your CENTURION dealer, when you need further accessories for your CENTURION VARIO.



⚠ WARNING

- In the interest of your own safety, do not overdo it when mounting any accessories and making adjustments. If you are not absolutely sure or have any questions, contact your CENTURION dealer.
- The bolted connections have to be tightened to the prescribed torque values. Use a torque wrench and do not exceed the maximum torque values! You find them on the components themselves and/or in the instructions of the component manufacturers. If you are not absolutely sure or have any questions, contact your CENTURION dealer.
- Improperly closed fastenings can cause components of the CENTURION VARIO to come loose.

⚠ CAUTION

- When doing any assembly or adjustment work in the area of the drive unit and movable parts there is the risk of crushing your fingers. Therefore, do not turn the cranks or push the CENTURION VARIO backwards during the work. Be careful when doing any assembly work.
- Remove the rechargeable battery or the display before doing any work on your CENTURION VARIO (e.g. assembly, adjustments etc.). Activating the drive system unintentionally bears the risk of injury!

Mounting the accessories

Passenger kit

⚠ WARNING

Be sure to always use the passenger kit with the transport bar (a) when carrying more than one child. The child placed in the rear could lose his or her grip and fall off the transportation bike without you noticing it.

Place the seat bench padding on the rear pannier rack so that the snap-in mechanism is directly behind the pannier rack struts (b).

Hold the CENTURION VARIO with one hand by the rear pannier rack and slide the seat bench frontwards with the other hand. Press gently but forcefully on the seat bench from the rear (c). The seat bench engages with a noticeable jolt.

Release the seat bench by pulling the strap (d). Hold the CENTURION VARIO with the other hand by the rear pannier rack. The snap-in mechanism releases and you can remove the seat bench.

If you have mounted the transport bar on your CENTURION VARIO, you can also mount the backrest pad of the passenger kit. Read the chapter "Transport bar" on how to mount the transport bar.



Place the backrest pad against the rear end of the transport bar. Make sure the writing on the backrest pad shows to the rear.

Wind each of the Velcro fasteners once around the next bar and slide all four Velcro fasteners through the plastic straps before closing them.

⚠ WARNING

Be sure to never leave your child or the children you take along unattended on the CENTURION VARIO. Especially not when it is parked on the kickstand. The CENTURION VARIO can fall over.

The CENTURION VARIO is designed for a maximum permissible overall weight of 180 kg including rider, passenger and/or cargo, accessories and CENTURION VARIO. You find precise details as to the permitted load distribution in the chapter "Intended use" and "Transportation of passengers and goods".

Be sure to always mount a spoke guard or the VARIO pannier bags to your CENTURION VARIO. Otherwise there is the risk of loose straps, clothing, items or the feet of your passengers getting caught in the spokes.

Transport bar

SAFETY INSTRUCTIONS

Ask someone to help you mounting the transport bar. This will ease mounting.

Make sure that you mount the transport bar in the intended direction. This is the case when the angled struts, seen from the side, point forward in the direction of travel so that they are parallel to the seat post (e).

Hold the transport bar above the rear pannier rack at the level of the screw holes (f).

Insert the four torx bolts loosely together with the countersunk washer into the screw holes. This keeps the transport bar on the correct height.

Using your fingers turn the bolts two to three turns into the integrated thread in the rear pannier rack (g).

Start by turning the bolts with a T 25 Torx key and finish by tightening them to 8 Nm by using a torque wrench (h). Strictly observe the indicated torque value.



⚠ WARNING

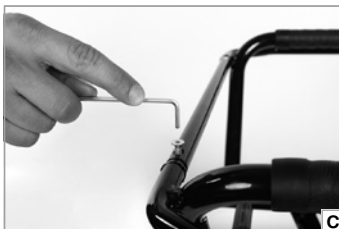
In the interest of your own safety and that of your passengers, do not overdo it when maintaining your CENTURION VARIO and making any adjustments and assembly work. If you are not absolutely sure or have any questions, contact your CENTURION dealer.

Thule® child seats

Your CENTURION VARIO is exclusively approved for being used with the “Thule® Yepp Maxi EASY Fit” child seat **(a)**.

One or two child seats can be mounted and used.

If you have mounted the transport bar, read the chapter “Transport bar extension” first. If you want to use the child seat without transport bar, read the chapter “Child seat” directly.



Transport bar extension (b)

Loosen the two upper bolts on the cross strut at the transport bar in the rear by using a 3-mm Allen key **(c)**. Loosen one of the two bolts on the cross strut at the transport bar in the front. Remove the bolts and keep them in a safe place.

Loosen the four fastening bolts fastening the transport bar on the rear pannier rack. Unscrew the bolts by two to three turns by using a T 25 Torx key **(d)**. You do not have to unscrew the bolts completely.

⚠ WARNING

Your CENTURION VARIO is exclusively approved for being used with Thule®'s Yepp Maxi EASY Fit child seat. Other child seats are not permitted.

Take hold of the cross strut with one of your hands and the transport bar with the other one. Gently turn the cross strut back and forth while pulling the transport bar with the other hand. Detach the cross strut from the connections of the transport bar **(e)**.

Remove the cross strut and keep it in a safe place.

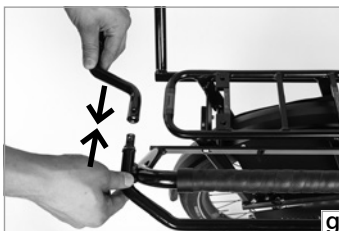
The front cross strut may detach during the dismounting of the rear cross strut. In this case slide the front cross strut together with the transport bar extension over the connections of the transport bar.

Check when mounting the transport bar extension **(f)** that the countersunk screw holes point upwards.

Slide the transport bar extension over the connections of the transport bar **(g)**.

Fasten the transport bar extension and the front cross strut with the bolts removed at the beginning. Start by turning the bolt with a 3-mm Allen key and finish by tightening it to 8 Nm by using a torque wrench. Strictly observe the indicated torque value.

Finish by fastening the previously loosened fastening bolt on the front cross strut and the four bolts on the rear pannier rack **(h)** with the torque value indicated on the component.



⚠ WARNING

- In the interest of your own safety and that of your passengers, do not overdo it when mounting any accessories and making adjustments. If you are not absolutely sure or have any questions, contact your CENTURION dealer.
- Check all bolts in the area of the rear pannier rack, the transport bar and the possibly mounted child seat after 100 km of riding or alternatively after five hours of use.

Child seat**⚠ WARNING**

Improperly closed fastenings **(a)** can make the child seats loosen from the CENTURION VARIO.

Be sure to never leave your child or the children you take along unattended on the CENTURION VARIO. Especially not when it is parked on the kickstand. The CENTURION VARIO can fall over.

SAFETY INSTRUCTIONS

Follow the enclosed instructions of the component manufacturer when mounting the child seats. They are also available on the internet: <https://www2.thule.com/en-gb/thule-support/spare-parts>



Mount the Thule® child seats to the red marked and lettered struts of your CENTURION VARIO rear pannier rack **(b)**.

Follow the instructions of the component manufacturer when doing further mounting steps.

You can use the child seats either with or without transport bar **(c)**. Read the chapters “Transport bar” and “Transport bar extension” on how to mount the transport bar.

When you intend to use the child seats together with the pannier bags **(d)** mount the pannier bags first and the child seats subsequently. The footrests of the child seats should be in the pannier bags. Read the chapter “Pannier bags” on how to mount the pannier bags.

Front pannier rack (e)

⚠ WARNING

- Make sure that the luggage on the front pannier rack does not obstruct you (f).
- Do not exceed the maximum permissible load capacity of the front pannier rack of 15 kg.
- Be sure to never set off before having secured the bags or the objects on the front pannier rack, i.e. before having actively secured them with safety belts or lashing straps. Cargo shifting may otherwise modify the centre of gravity and result in critical riding situations. Read the chapter “Transportation of passengers and goods”.

NOTICE

- Observe the changed riding characteristics with a loaded CENTURION VARIO front pannier rack. The heavier weight and the changed centre of gravity affect the steering and braking behaviour of your CENTURION VARIO. Load your CENTURION VARIO therefore only with very light luggage.



SAFETY INSTRUCTIONS

- Ask someone to help you when mounting the front pannier rack. This will ease mounting.
- Do not forget to consider the luggage on the front pannier rack when calculating the maximum permissible overall weight.

Fasten the cable of the front wheel brake to the rear of your CENTURION VARIO front pannier rack by using the respective cable guide. Start by turning the bolt with a 4-mm Allen key and finish by tightening it to 8 Nm by using a torque wrench (g). Strictly observe the indicated torque value.

Hold the front pannier rack to your CENTURION VARIO. The ends or the fastening bore holes of the pannier rack struts must be over the fixing points on the head tube (h).

Be sure to use the fastening bolts always together with the countersunk washers supplied. Screw in the four fastening bolts by two to three turns with your fingers. Start by turning the bolts with a T 25 Torx key and finish by tightening them to 8 Nm by using a torque wrench. Strictly observe the indicated torque value.

Handle (a)

Start by measuring your seating position or the seat post section standing out the seat tube.

Open the seat post clamp at the seat tube of your CENTURION VARIO by using a T 25 Torx key. Release the bolt so far that you can move the telescopic seat post without much effort. You do not have to unscrew the bolt completely.

Remove the telescopic seat post from the seat tube. Slide the handle clamp over the lower seat post of your telescopic seat post **(b)**.

Slide the lower seat post then back into the seat tube of your CENTURION VARIO.

Adjust your seating position according to the measured length of the seat post. If you are not sure read the chapter "Adjusting the saddle to the correct height" in your comprehensive original CENTURION operating instructions for trekking bikes.

Align the saddle with the frame by using the saddle nose and the bottom bracket or top tube as a reference point **(c)**.



When everything fits, start by turning the bolt of the seat post clamp with a T 25 Torx key and finish by tightening it to 5–6 Nm by using a torque wrench. Strictly observe the indicated torque value.

Position the handle at the desired height.

Fasten the handle clamp by using the two Allen bolts supplied. Start by turning the bolts with a 5-mm Allen key and finish by tightening them to 5–6 Nm by using a torque wrench. Strictly observe the indicated torque value.

⚠ WARNING

- Before you set off, make sure your child or the children you take along is or are strong enough to withstand the shocks and forces occurring during the ride.**
- Check all bolts in the area of the pannier rack, the transport bar and the possibly mounted child seat after 100 km of riding or alternatively after five hours of use.**

Pannier bags (e)

The pannier bags have five Velcro fasteners (f) on the back, which can be fastened particularly securely by means of a double Velcro connection.

Mount the four upper Velcro fasteners ① to the bottom longitudinal strut of the transport bar. Then fasten the lower Velcro fastener ② to the rearmost downward cross strut of the rear pannier rack.

If you do not want to use the pannier bags at the moment you can fold them up to the side to save space.

Close the roll locks with the two buckles (g).

Fold the bottom of the pannier bags upwards and slide the metal hooks through the red fabric tab (h).



⚠ WARNING

- Hanging down straps can get caught in the movable parts of your CENTURION VARIO and block the drive. Before you set off make sure that no straps or parts of the pannier bags are hanging loose.

SAFETY INSTRUCTIONS

- There is a wide range of pannier bags available on the market. CENTURION recommend that you use VARIO bag sets from VAUDE.

Front pannier rack bag (a)

Position the front pannier rack bag in a way that the writing shows to the front in the direction of travel.

The front pannier rack bag has a Velcro fastener on the right and left at the back. Fasten the Velcro fasteners to the front pannier rack struts positioned next to them.

The front pannier rack bag has elastic tabs in the top and bottom at the back. Fasten them at the respective hooks **(b)** at the front pannier rack.



SAFETY INSTRUCTIONS

There is a wide range of pannier bags available on the market. CENTURION recommend that you use VARIO bag sets from VAUDE.

Foot rests (e)

⚠ CAUTION

When working in the area of the drive unit and movable parts and when doing any assembly there is the risk of crushing your fingers. Therefore, do not turn the cranks or push the CENTURION VARIO backwards during the work. Be careful when doing any assembly work.

Remove the rechargeable battery or the display before doing any work on your CENTURION VARIO (e.g. assembly, adjustments etc.). Activating the drive system unintentionally bears the risk of injury!

If there are foot pegs mounted on your CENTURION VARIO you have to remove them first. To do so read the chapter “Foot pegs” and perform the mounting steps in reverse order.

Shift into the lowest gear (largest sprocket) on your CENTURION VARIO. Then you have more space for mounting the right foot rest seen in direction of travel.

Be sure to mount the spoke guard in addition to both foot rests.

Bring the fastening lugs of the spoke guard in front of the screw holes in the chainstay of your CENTURION VARIO. Hold the end of the foot rest with the two lugs welded in parallel at the rear screw hole. The lugs have to be positioned to the right and left of the dropout of the frame stay.



Insert the countersunk bolt with countersunk washer in the screw hole (f). Let the front part of the foot rest lower carefully to the ground.

Slide the washer from the rear of the dropout or the frame stay on the countersunk bolt. Use your fingers to turn the bolt nut as far as possible on the countersunk bolt. Do not yet tighten the bolt nut.

Lift the front part of the foot rest in front of the screw hole. Slide the Allen bolt including the washer from the rear of the chainstay into the screw hole. Use your fingers to turn the bolt by two to three turns. Start by turning the bolt with a T 45 Torx key (g) and finish by tightening it to 14 Nm by using a torque wrench. Strictly observe the indicated torque value.

Then turn the countersunk bolt on the rear part of the foot rest with a T 45 Torx key. To do so hold the opposite bolt nut with a 13-mm ring spanner (h). Tighten the bolt then to 14 Nm by using a torque wrench. Strictly observe the indicated torque value.

Foot pegs (a)

⚠ CAUTION

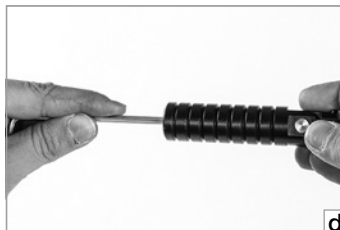
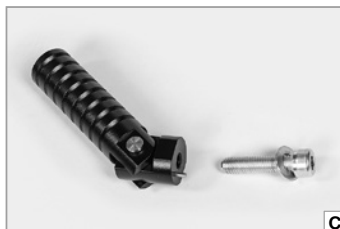
When working in the area of the drive unit and movable parts and when doing any assembly there is the risk of crushing your fingers. Therefore, do not turn the cranks or push the CENTURION VARIO backwards during the work. Be careful when doing any assembly work.

Remove the rechargeable battery or the display before doing any work on your CENTURION VARIO (e.g. assembly, adjustments etc.). Activating the drive system unintentionally bears the risk of injury!

If there are foot rests mounted on your CENTURION VARIO you have to remove them first. To do so read the chapter "Foot rests" and perform the mounting steps in reverse order.

Hold the fastening lugs of the spoke guard in front of the screw hole so that both holes are on top of each other.

Mount the foot peg on the frame. To do so insert the small metal pin into the respective hole underneath the screw hole **(b)**.



Using your fingers turn the Allen bolt including the washer from the rear of the chainstay in the foot peg **(c)**. Start by turning the bolt with a T 45 Torx key and finish by tightening it to 14 Nm by using a torque wrench. Strictly observe the indicated torque value.

Fasten the front lug of the spoke guard with the cable tie supplied. This prevents the spoke guard from flapping during the ride.

If you do not use the foot pegs, you can also fold them up.

You can adjust the preload force of the fold-up function of your foot pegs from the front by using a 4-mm Allen key **(d)**.

For a higher preload force turn the bolt in the foot peg clockwise. For a lower preload force turn it anticlockwise. Proceed in small steps with half turns and check the fold-up function again and again in between.

Folding lock

You can equip your CENTURION VARIO with a folding lock (e) to protect it against theft.

For this purpose mount a holder for your folding lock in the rear triangle (f).

Tyre puncture

Flat tyres are the most common cause of breakdowns when riding the CENTURION VARIO. However, as long as you have the necessary tools and a spare tube or a repair kit (g), this need not mean the end of your ride. When your front and rear wheels are fixed with thru axles in the frame and the fork, you only need two tyre levers and a pump.

The CENTURION VARIO is clearly heavier and bigger than your standard bicycle or electric bike. Ask someone to help you, if needed.

SAFETY INSTRUCTIONS

Before removing the front or rear wheel read the chapters “Tyre puncture” and “How to use the quick-releases” in your comprehensive original CENTURION operating instructions for trekking bikes. If you are not absolutely sure or have any questions, contact your CENTURION dealer.



Transporting the CENTURION VARIO

To transport your CENTURION VARIO you can use a bike carrier on your car. Due to its size the CENTURION VARIO can only be transported on bike carriers that are designed for a long wheel base of 1.3 metres.

Read the operating instructions of your bike carrier and observe the maximum length of the bicycle to be transported, the permissible payload and the recommended, if not prescribed maximum speed. If necessary, observe the required bearing load of the tow hitch.

In case of inquiries, contact your CENTURION dealer.

⚠ WARNING

- Make sure that there are no parts (pannier bags, child seats etc.) on your CENTURION VARIO which may come loose (h).
- Check that your CENTURION VARIO is properly fastened before and at regular intervals during the journey. If the CENTURION VARIO detaches from the carrier system, there is a risk of endangering other road users.

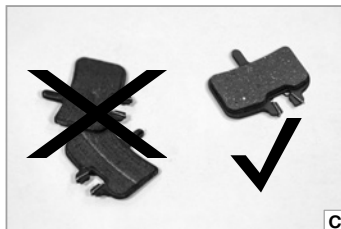
CAUTION

The CENTURION VARIO is clearly heavier and bigger than your standard bicycle or electric bike. Ask someone for help, if necessary, when you have to lift your CENTURION VARIO. Be sure to lift in a way that it does not hurt your back.

NOTICE

Large-diameter frame tubes are at **risk of being crushed** due to clamps that are not designed for that size!

Pull the brake lever and secure it with a strong elastic strap to prevent your CENTURION VARIO from rolling (a).

**Service and maintenance**

Your CENTURION dealer will have assembled and adjusted your CENTURION VARIO ready for use when you come to collect it. Nevertheless, your CENTURION VARIO needs regular servicing (b). Have your local CENTURION dealer do the scheduled maintenance work. This is the only way to ensure the durable functioning of all components.

The bike will be due for its first service after 100 to 300 kilometres, 5 to 15 hours of initial use or four to six weeks. The CENTURION VARIO must be serviced, because in this initial “break-in” period of the CENTURION VARIO the spokes can slightly lose tension or the gears may go out of adjustment. This “break-in” period is unavoidable. Therefore, remember to make an appointment with your CENTURION dealer to have your new CENTURION VARIO inspected. This first service is very important for both functioning and durability of your CENTURION VARIO.

The intended use of the CENTURION VARIO includes regular servicing and the timely replacement of worn out parts, e.g. brake pads (c) or Bowden and brake cables (d), and therefore has an influence on the liability for material defects and the warranty, as well.

After the “break-in” period you should have your CENTURION VARIO serviced regularly by your CENTURION dealer. If you ride a great deal on poor road surfaces and in adverse weather conditions, the service intervals will shorten.

Also check regularly whether the mounts and the surfaces of the CENTURION VARIO accessories are in sound condition. This is the only way to guarantee safe transportation of passengers and goods.

The winter months are a very good time to take your CENTURION VARIO to your CENTURION dealer for the strongly recommended, comprehensive annual inspection, as they will have plenty of time for you and your CENTURION VARIO.

⚠ WARNING

servicing and repairs are jobs best left to your CENTURION dealer. If servicing is not carried out at all or carried out improperly, this can lead to failure of parts of the CENTURION VARIO (e). Nevertheless, if you want to do it yourself, restrict yourself to work for which you have the necessary expertise and the appropriate tools, e.g. a torque wrench including bits (f).

If a component needs to be replaced, make it a rule to only use original spare parts (g). Wearing parts of other manufacturers, e.g. brake pads or tyres that are not of identical dimension, can make the CENTURION VARIO unsafe.



⚠ CAUTION

Do not touch in or on the rotating front and rear wheel or disc brakes during the ride or repair.

NOTICE

Be sure to check the screwed connection of your kickstand every 1000 km (h). Tighten the 8-mm Allen bolt to 35 Nm by using a torque wrench. Be sure to grease the lock-in hook of the kickstand regularly to prevent wear.

SAFETY INSTRUCTIONS

Observe and follow the chapters on service, maintenance and inspection in your comprehensive original CENTURION operating instructions for trekking bikes and the instructions of the component manufacturers, possibly supplied.

For your own safety, bring your CENTURION VARIO to your CENTURION dealer for its first inspection after 100 to 300 kilometres, 5 to 15 hours of initial use or four to six weeks, and at the very latest after three months.

Legal requirements for riding on public roads

If you use your CENTURION VARIO for riding on public roads, it has to be equipped according to the regulations of your country!

The following table only includes the requirements concerning the transportation of passengers with transportation and cargo bikes. You find more information on correct participation in road traffic in your comprehensive original CENTURION operating instructions for trekking bikes.

	Germany	Austria	Switzerland
Child transportation in Thule® Yepp Maxi EASY Fit-child seat with transport bar	<ul style="list-style-type: none"> – maximum 2 children – at the age of 1 to at least 4 years old however maximum 6 years old – up to a maximum of 22 kg per child 	<ul style="list-style-type: none"> – maximum 1 child – at the age of 1 to at least 4 years old however maximum 8 years old – up to a maximum of 22 kg per child <p>requirement to wear a helmet for children under 12 years!</p>	<ul style="list-style-type: none"> – maximum 1 child – at the age of 1 to at least 4 years old however maximum 8 years old – up to a maximum of 22 kg per child
Child transportation in passenger kit with transport bar, seat bench including backrest pad, foot rests and spoke guard	<ul style="list-style-type: none"> – maximum 2 children – from the age of 5 years at the earliest – up to a maximum of totally 70 kg 	<ul style="list-style-type: none"> – maximum 2 children – from the age of 8 years at the earliest – up to a maximum of totally 70 kg <p>requirement to wear a helmet for children under 12 years!</p>	<ul style="list-style-type: none"> – maximum 2 children – from the age of 5 years at the earliest – up to a maximum of totally 70 kg
Transportation of passengers on the seat bench with handle and spoke guard	<ul style="list-style-type: none"> – maximum 1 child or 1 young adult – from 11 years and – up to a maximum of 70 kg 	<ul style="list-style-type: none"> – maximum 1 child or 1 young adult – from 11 years and – up to a maximum of 70 kg <p>requirement to wear a helmet for children under 12 years!</p>	<ul style="list-style-type: none"> – maximum 1 child or 1 young adult – from 11 to 18 years maximum and – up to a maximum of 70 kg <p>Observe cantonal restrictions on the maximum age of children</p>
Bike trailer	<ul style="list-style-type: none"> – maximum 2 children – up to an age of 6 years and – maximum total weight of the trailer of 45 kg 	<ul style="list-style-type: none"> – maximum 2 children – up to an age of 6 years and – maximum total weight of the trailer of 45 kg <p>requirement to wear a helmet for children under 12 years!</p>	<ul style="list-style-type: none"> – maximum 2 children – up to an age of 6 years and – maximum total weight of the trailer of 45 kg
Minimum age of riding person	16 years	16 years	16 years

SAFETY INSTRUCTIONS

If you want to purchase or use the CENTURION VARIO in countries other than the three mentioned, ask your CENTURION dealer about the applicable regulations of the country.

Before you set off read the chapters “Transportation of passengers” and “Intended use” and follow the instructions.

Warranty and guarantee

Your CENTURION VARIO was manufactured with great care. Normally it is delivered to you by your CENTURION dealer fully assembled.

As direct purchaser you have full warranty rights within the first two years after purchase. Please contact your CENTURION dealer in the event of defects.

To ensure a smooth handling of your complaint, it is necessary to present your receipt, your bike card and the service reports. Therefore, keep these documents in a safe place.

To ensure a long service life and good durability of your CENTURION VARIO, use it only for its intended purpose (see the chapters "Intended use" and "Before your first ride with your CENTURION VARIO"). Observe the permissible weight specifications indicated in the bike card. In addition, be sure to follow the manufacturers' mounting instructions (above all, the torque values of the bolts) as well as the prescribed maintenance schedule.

Observe the checks and routines listed in these original CENTURION operating instructions and in the instructions of the component manufacturers, possibly supplied (see the chapter "Service and maintenance schedule" in your comprehensive CENTURION operating instructions for trekking bikes) as well as the instructions concerning the replacement of safety-relevant components such as handlebar, brakes etc.

SAFETY INSTRUCTIONS

This warranty law is only valid in the countries where the law has been ratified according to the renewed European regulations. Inform yourself about the regulations in your country.

A note on wear

Some components of your CENTURION VARIO are subject to wear due to their function. The rate of wear will depend on care and maintenance and the way you use your CENTURION VARIO (mileage, riding in the rain, dirt, salt etc.). Leaving your CENTURION VARIO frequently or always in the open can also increase wear and tear due to the effects of the weather.

Regular care and maintenance increase the service life. Nevertheless, the parts listed below must be replaced when they reach their limit of wear.

This includes:

rechargeable battery	seat bench padding
drive chain	tyres
brake pads	sprockets
brake fluid (DOT)	backrest pad
brake discs/rotors	saddle covering
seals of suspension elements	shift cables
rubber grips	shift cable housings
cables/connectors	pulleys
chainwheels	lubricants and oil
illuminants	inner tubes

Guarantee on CENTURION bikes

These provisions of the guarantee are applicable as of model year 2022.

Your CENTURION bike is covered by a manufacturer's guarantee (from the date of sale to the original purchaser):

- Lifetime guarantee in the event of frame breakage for all frames in the categories of use 1–4
- 5 years for rigid forks of bicycles of the categories 1–4
- Statutory warranty for paints and decors with lacquered underside

In a guarantee-activating event CENTURION reserves the right to provide the current successor model in an available colour or, if not available, a higher grade model.

Guarantee claims for rear shock, suspension forks and other branded accessories will not be processed by CENTURION but by the component manufacturers' national distributors.

Your direct contact in any case is your CENTURION dealer who will be pleased to answer your inquiries.

The manufacturer's guarantee only applies to claims made by the initial buyer and substantiated by presenting the customer's receipt and/or the bike card stating the date of purchase, the dealer address, the model and the frame number.

Precondition for the guarantee is the intended use, the observance of the service intervals as well as the exclusive use of original spare and/or accessory parts and the fact that the suspension systems are maintained by the CENTURION dealer at least once a year.

The guarantee does not cover labour and transport costs, nor does it cover follow-up costs resulting from defects.

The use in competitions is permitted in the frame of the respective use categories.

The guarantee does not apply for bikes that have been used for jumping or subjected to any other kind of overstress. It does not cover damage resulting from wear, neglect (insufficient care and maintenance), falls/accidents, overstress caused by overloading, incorrect mounting or improper treatment or resulting from changes to the bike in connection with the mounting or alteration of additional components.

Diligent compliance with the respective manufacturers' mounting instructions and maintenance intervals as prescribed in this manual are crucial to a long service life and good durability of the bicycle components. Non-observance of the assembly instructions or maintenance intervals renders the guarantee null and void. Please observe the checks described in this manual as well as all instructions concerning the regular replacement of safety-relevant components, such as the handlebar etc.

These guarantee conditions are voluntary benefits of CENTURION. Moreover, the buyer may benefit from additional legal rights which vary from country to country. To find out more just ask your CENTURION dealer.

Keep in mind that in case of commercial use the guarantee for frames and rigid forks on models of categories 1–4 is limited to 2 years.

SAFETY INSTRUCTIONS

In case of any inquiries, please contact your national distributor; visit www.centurion.de to find his address.

Bike card

Frame sticker

Drive system

mid-mounted motor

Battery model

integrated

Key no.

Frame size

Size of front and rear wheel or tyres

Special features

(Tip for the CENTURION dealer: Copy the bike card and keep a copy in your customer file.)

Intended use

Category

single-track

Suitable for

transport of goods

transport of passengers

transport of passengers and goods

Maximum permissible overall weight 180 kg =

Weight CENTURION VARIO 33 kg

+ Rider's weight (kg)

+ Load on rear pannier rack or child seat with child(ren) in the rear, incl. accessories:

max. 70 kg

+ Load front pannier rack:

max. 15 kg

+ Overall weight trailer incl. cargo and/or passenger(s):

max. 45 kg

Child seat permitted

exclusively model "Thule® Yepp Maxi EASY Fit"

Trailer permitted

yes

Brake levers – Brake assignment

Right lever: front wheel brake rear wheel brake

Left lever: front wheel brake rear wheel brake

WARNING

Read at least the chapters "Intended use", "Before your first ride with your CENTURION VARIO" and "Before every ride with your CENTURION VARIO" in these original CENTURION operating instructions.

Stamp and signature of the CENTURION dealer



MERIDA & CENTURION GERMANY GMBH

Blumenstraße 49 – 51

D-71106 Magstadt

Telefon +49 (0) 71 59 / 94 59 - 600

Telefax +49 (0) 71 59 / 94 59 - 500

vertrieb@merida-centurion.com

www.centurion.de