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Congratulations on purchasing your Raleigh Stride cargo bike! Before you set out on your first ride, it is advised that you read through this user manual to ensure that your cargo bike is trouble free and working as intended.

Notice: Your cargo bike can deviate from some of the images shown in this manual.

1 About this user manual

This user manual provides information about both the Raleigh Stride 2- and 3-wheel cargo bikes.



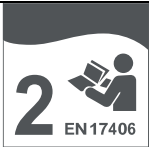





This user manual provides important information about the settings and usage of the cargo bikes. Not all information is relevant for both the 2- and 3-wheel models. Where information is only applicable to one of the models, this will be clearly indicated.

Read all warnings and instructions in this user manual – in particular chapter 2 ‘Safety’ – with care before using the cargo bike. Dismissal of the warnings and information in this user manual can lead to serious injuries to yourself and damage to the cargo bike. Keep the user manual at hand so that it is available at any time.

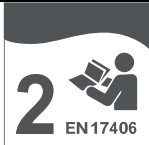





If you pass the cargo bike on to third parties, you must also provide the user manual. Raleigh is not responsible for any writing or printing errors in this manual. Pictures and parts may differ from your purchased Raleigh Stride model.

Symbols and Information

Clarification of the symbols and information found on the cargo bikes:

 	<p>Max. speed</p>	<p>Electric pedal support to a maximum speed of 25 km/hr</p>
	<p>Power output</p>	<p>0,25 kW</p>
	<p>EPAC acc. to DIN 15194</p>	<p>This e-cargo bike meets the DIN 15194 standard for Electric Pedal Assisted Cycles</p>
	<p>DIN 97010: 2020</p>	<p>This e-cargo bike meets DIN 97010 version 2020 standard for cargo bikes</p>
	<p>1Ce</p>	<p>This e-cargo bike is classified as 1Ce</p>
		<p>Category 2 vehicles are cargo bikes for use on asphalt, concrete, paved roads, and naturally firm paths with moderate inclines.</p>
		<p>The maximum permissible total weight including the rider and the weight of the cargo bike itself is 550 lbs.</p> <ul style="list-style-type: none"> - The total permissible weight on the saddle is 220 lbs. - The total permissible weight on the rear carrier is 59 lbs. - The total weight of the cargo bike is 132 lbs.
		<p>The total permissible weight in the box is 176 lbs.</p>
		<p>This symbol indicates that the cargo bike complies with all relevant essential requirements, with regards to health and safety requirements.</p>
		<p>Year of production</p>
	<p>The WEEE Symbol, out means that electrical and electronic items should not be disposed of in your dustbin or wheelie bin but should be recycled.</p>	



Max. speed	Electric pedal support to a maximum speed of 25 km/hr
Power output	0,25 kW
EPAC acc. to DIN 15194	This e-cargo bike meets the DIN 15194 standard for Electric Pedal Assisted Cycles
DIN 97010: 2020	This e-cargo bike meets DIN 97010 version 2020 standard for cargo bikes
2Ce	This e-cargo bike is classified as 2Ce
	Category 2 vehicles are cargo bikes for use on asphalt, concrete, paved roads, and naturally firm paths with moderate inclines.
	The maximum permissible total weight including the rider and the weight of the cargo bike itself is 660 lbs. <ul style="list-style-type: none"> - The total permissible weight on the saddle is 220 lbs. - The total permissible weight on the rear carries is 59 lbs. - The total weight of the cargo bike is 165 lbs.
	The total permissible weight in the box is 220 lbs.
	This symbol indicates that the cargo bike complies with all relevant essential requirements, with regards to health and safety requirements.
	Year of production
	The WEEE Symbol, out means that electrical and electronic items should not be disposed of in your dustbin or wheelie bin , but should be recycled.

Technical specification

You can obtain information on the technical data and equipment of your vehicle model in writing from your dealer or on the Raleigh website <https://www.raleigh.co.uk/gb/en/bike-knowledge/raleigh-bike-manuals/>.

1.1 Proper use

Raleigh, as a company, or Raleigh Stride dealers accept no responsibility for damage which has arisen through improper use. Only use the cargo bike as described in this user manual. Any other use is deemed to be improper and can lead to accidents, serious injury and damage to the cargo bike.

The cargo bike is only intended for use on roads and paths with a smooth surface. Any use on unfinished paths which have not been covered in asphalt, cement or plaster may lead to damage to the cargo bike. The first inspection is part of the proper use of the cargo bike (see Chapter 14 "First inspection and maintenance") and must be carried out at least 2 months after purchase of the cargo bike or after the first 100 km/62 mi of riding, whichever comes soonest. The cargo bike is not designed for use with an above-average load i.e., use for racing and competitive events is not deemed to be proper use. To use the cargo bike properly in road traffic, you must know, understand, and take note of the state-specific and regional regulations.

1.2 Maximum permissible total weight

The cargo bikes have a maximum permissible total weight of which you must take note of when using the cargo bike:

- Maximum permissible total weight:
Raleigh Stride 2: 550 lbs (Including the rider and the weight of the cargo bike itself.)
Raleigh Stride 3: 660 lbs (Including the rider and the weight of the cargo bike itself.)
- You will reduce your risk of accident and injury and your risk of damaging the cargo bike if you always take note of the maximum permissible total weight of the cargo bike.
- You must also take the weight of the bike into account:
Raleigh Stride 2: 125 lbs
Raleigh Stride 3: 165 lbs
- Maximum permissible weight on luggage carrier 57 lbs
- You must also take the additional weight of the battery (6 lbs per battery) into account.
- Do not use the cargo bike if screw connections are loose.

1.3 Seating position

An incorrect seating position can lead to muscular strains and joint pain. An incorrect seating position restricts the accessibility of the control elements on the handlebar. If you are not sure how to set up the seating position, contact your Raleigh Stride dealer. In order to control the cargo bike safely, the seating position must be adapted to your individual needs (see chapter 3.3).

1.4 Wear and tear

Excessive wear, material fatigue or loose screw connections can cause malfunctions which will cause accidents or falls. Therefore:

- Check the cargo bike regularly for wear.
- Do not use the cargo bike if cracks, deformities, or colour changes (due to material fatigue or heavy rust) are present.
- Do not use the cargo bike if excessive wear or loose screw connections are present.
- Have the cargo bike checked immediately by a Raleigh Stride dealer if excessive wear, loose screw connections, cracks, deformities, or colour changes (due to material fatigue or heavy rust). are present.

As with all mechanical components, cargo bikes are exposed to wear and high levels of strain. Different materials may react differently to wear, or degradation caused by exposure to strain. All types of cracks stretch marks and colour change (due to

material fatigue or heavy rust) show that the service life of the components has expired. Worn components must be replaced.

2 Safety

Warning: In general, always be aware and careful while using your Raleigh Stride cargo bike, especially when transporting children.

This section contains information on how to use your cargo bike in a safe way. Please read this section carefully to learn more about safe usage of your Raleigh Stride cargo bike.

2.1 Instructions for safe use

Riding a cargo is different from riding a regular bike. Therefore, it is recommended to always try out your cargo in a quiet area initially, without children or cargo in the box and with the electric pedal support in its lowest position. This way you can get used to riding, steering, braking and the electric pedal support. It is also recommended to make a trial emergency stop.

Riding a Stride 2 two-wheel cargo bike has similarities to riding on a regular bike. The steering motion is practically the same, although the front wheel is further in front. Keep looking ahead and avoid looking at the front wheel and be sure to accelerate directly. Making turns is also easier when you maintain enough speed.

When riding a Stride 3 three-wheel cargo bike the steering motion is very different when compared to a regular bike. The handlebar/steering is fixed to the cargo box and therefore you steer the cargo bike by pushing the cargo box to your right or left. When you have to make very sharp turns you may let go of the steering with your outside hand so that you do not have to hang over excessively. Do make sure that you keep the brakes in reach so that you can stop or reduce speed at any time when necessary.

Warning: Riding a cargo bike while standing on you pedals (not sitting on the saddle) is not possible.

You will reduce your risk of accident and injury if you take note of the following instructions for using your cargo bike safely:

- Only use the cargo bike if you are familiar with all of its operational features and

functions.

- Only use the cargo bike in the manner described in the instructions for proper use.
- When riding, always remain seated on the saddle.
- When riding always ensure that the cargo bike is stable.
- Do not allow children to play with the cargo bike.
- If you do not possess the necessary knowledge and the required tools to make adjustment and repairs, have them carried out by a Raleigh Stride dealer.

2.2 General safety instructions

In the interest of your safety, note the following safety instructions:

- Wet, slippery, or dirty riding tracks may extend the braking distance.
- Adapt your riding style and speed to the weather and the surface conditions.
- Moving parts of the cargo bike may trap clothing and body parts.
- Do not allow any loose garments to hang down, e.g., no laces or jacket belts.
- Always wear tight fitting clothing on your legs or use bicycle clips.
- Prior to cleaning or servicing, secure all moving parts of the cargo bike.
- Wear shoes with slip-resistant soles.
- Incorrect or improper use of the cargo bike may cause components of the cargo bike to wear more quickly or to break.
- Do not ride over staircases or other ledges with the cargo bike.
- Do not ride over ramps or bumps in the ground on the cargo bike.
- Do not use the cargo bike to ride downhill at speed.
- Do not ride through deep water on the cargo bike.
- Make sure your kids are tightened in the three-point belt when riding.
- Do not leave unattached attributes loose in the box while driving.

2.3 Safety instructions on the charging device

Incorrect use of electricity and components, which are electrical conductors, may lead to electric shock and serious injury.

- Check the charging device, mains cable and mains plug for damage before every use.
- Do not use the charging device if you discover or suspect damage.
- Only use the charging device indoors with supervision.
- Only connect the charging device to properly installed plugs.
- Do not allow the charging device to get into contact with water and other liquids.
- Incorrect use of the charging device may cause damage.
- Position the charging device only on fire-resistant material when charging.
- Only charge the original battery with the original charging device.
- After charging, always pull the main plug out of the socket.
- Note the additional safety information on the charging device.

2.4 Safety instructions on the battery

- Damage to the battery may lead to overheating and to the emission of gases and liquids.
- Always keep the battery away from the vicinity of fire and heat.
- After a fall or impact, have the battery checked by a Raleigh Stride dealer. Do not open, dismantle, drill through, or deform the battery or the battery housing. Lithium

which is emitted from a damaged battery may damage the skin or eyes.

- Only touch damaged batteries with protective gloves. Incorrect use may cause the battery to become damaged.
- Do not charge the battery if it might be damaged.
- Only charge the battery with the original charging device.
- Keep the battery away from fire and other sources of heat.

Warning: If the battery catches fire, gases, or liquids such as hydrofluoric acid, which are emitted, it may lead to very serious injury.

2.5 Safety in road traffic

You will increase your level of safety when using the cargo bike in road traffic if you note the following general safety instructions:

- Only use the cargo bike in road traffic if the equipment corresponds to the country-specific road traffic regulations.
- Take note of and follow the country-specific and regional road traffic regulations.
- When riding, wear a bike helmet which corresponds to the country-specific and regional regulations and which has been inspected according to the DIN EN 1078 standard and which bears the CE test mark.
- When riding, wear light clothing with reflective elements.
- Do not use the cargo bike if you have taken alcohol, drugs or medicines which may have an impairing effect.
- Do not use mobile devices when riding, e.g. phone or MP3 players.
- Do not allow yourself to become distracted during your journey by other activities, e.g. switching on the light.
- Never ride the bike hands free.

You will increase your safety in road traffic if you also adhere to the following instructions:

- Seek information on the relevant regulations governing road traffic for the state or the region, e.g. from the Ministry for Transport.
- Always continue to look for information about amended content of the valid regulations.
- Ride carefully and with consideration for other road users.
- Ride in such a way that no-one is injured, endangered, disabled or annoyed.
- Always use cycle paths intended for bikes.
- Cargo bikes must be equipped with two independent brakes and a bell if they are going to be used in road traffic.

2.6 Transporting children in the cargo box

The additional weight will change the riding characteristics of the cargo bike. Take note of the maximum permissible total loading weight in the box (176 lbs for the Stride 2 and 220 lbs for the Stride 3). When carrying children, note the following instructions:

- After installing the child seat, ensure that you are familiar with the changed riding characteristics of the cargo bike. Try it out first outside the road traffic.
- You must be at least 16 years old to transport a child in the transport box or in the child seat.
- Only carry a child in the transport box or in the child seat if the child is wearing a suitable bike helmet which is compliant with the country-specific and regional regulations or which has been checked pursuant to the DIN EN 1078 standard and which bears the UKCA test mark.
- Brake earlier, plan for a longer braking distance and heavier steering.
- Practice mounting and dismounting away from road traffic.
- Practice correct behaviour during the ride with your child.
- Ride proactively and defensively.
- Only lift children into the transport box or only allow children to enter the transport box if the cargo bike is secured against rolling away.
- Park the Raleigh Stride 2 cargo bike on the prop stand and the Raleigh Stride 3 using the parking brake.
- Always use the safety belt to secure children in the transport box.
- Ensure that children do not allow any body parts to protrude from the transport box.
- Ensure that children remain strapped in during their journey in the transport box.
- Ensure that the weight distribution in the transport box is as balanced as possible.

2.7 Transporting new-borns and toddlers in the cargo box

You can find information on the Raleigh website or from your Raleigh Stride dealer about the availability of seats for children of all ages.

Age	Accessory
from 3 to 10 months	Maxi-Cosi carrier
from 3 to 9 months	Baby Seat
from 8 to 18 months	Toddler Chair
from 18 months	Cushion

The Maxi-Cosi carrier is fastened to the bottom of the cargo box using the special rails. Small child seats and infant carriers can be fastened to the bench in the cargo box.

You will receive installation guides with the new-born and toddler seats. If you do not possess the necessary knowledge and the required tools to install the infant carrier and toddler seats in the transport box, have the installation carried out by a Raleigh Stride dealer.

2.8 Replacing bike components

Replacing bike components or incorrect replacement parts may cause the cargo bike to malfunction. Only use original replacement parts. Even if you take note of all safety and warning instructions, you may be at risk of the following unforeseeable residual risks when using the cargo bike:

- Unforeseeable road characteristics e.g., slipperiness caused by black ice.
- Unforeseeable material defects or material fatigue may cause breakage or malfunctioning of the bike components.
- Ride proactively and defensively.
- Check the cargo bike regularly for cracks, stretch marks, colour changes (due to material fatigue or heavy rust) or damage to the components.
- Before each journey, check the function of the safety-related components such as the brakes.
- Have the cargo bike checked for damage by a Raleigh Stride dealer after a fall or an accident.

2.9 Misuse of cargo bikes

Do not misuse your Raleigh Stride in the following ways:

- Using the cargo bike for competitions, jumps, stunts or tricks.
- Improper repairs and maintenance.
- Improper use of the battery.
- Structural modifications to the original condition of the cargo bike, particularly the tuning and any other manipulation of the cargo bike.
- Opening and amending any component of the cargo bike.
- Charging the battery outside the temperature range indicated in the Bosch original user manual (optimal charging temperature +15 to +25 °C/59 to 77 °F).
- Exhaustive discharge of the battery as a result of not charging the battery for more than 3 months or improper storage of the battery outside the optimal storage temperature of +10 to +20 °C/50 to 68 °F.

Warning: The guarantee will be cancelled due to improper use of your Raleigh Stride. Follow the safety instructions.

2.10 Fastening and opening the three-point belt

We strongly recommend using the three-point safety belts for transporting children. By default, two three-point belts are installed inside the box of your Raleigh Stride.

- Fasten the belts over the child's shoulder.
- Place the shoulder pads at the level of the child's collarbone.
- Bring the ends of the belt together and snap it into the belt holder.
- Pull the belt tight by using the straps of the belts.

Warning: A maximum of one adult's hand may fit between the belt and the child's collarbone.

3 Basic settings

The following section provides you with information about how to check your cargo bike prior to starting your Raleigh Stride journey, how to adjust the seating position and how you can make other basic adjustments.

3.1 Before making your first journey

Your Raleigh Stride dealer will have fully assembled and set up your cargo bike. Your cargo bike is therefore ready to ride. Learn the important functions of the cargo bike prior to your first journey.

- Acquaint yourself with the riding characteristics of your cargo bike away from road traffic.
- If you are unaccustomed to the assignment of the brake lever of the front wheel or rear wheel brake, have the assignment of the brake lever amended by a Raleigh Stride dealer.
- Acquaint yourself with the braking characteristics of the brakes, away from traffic and at low speed.
- Your Raleigh Stride bike has hydraulic disk brakes. Operate each brake lever several times so that the brake pads are centred in the brake calliper.
- Practice using the gear shift away from traffic, so that you can operate the gear shift in such a way that your attention to road traffic is not distracted.
- Check whether you can also assume a comfortable seating position for longer journeys and that you can safely operate all the components on the handlebar.

3.2 To be checked before every journey

- Check the cargo bike for damage and excessive wear prior to every journey.
- Do not use the cargo bike if you notice damage or excessive wear.
- Have damaged or worn components replaced by a Raleigh Stride dealer.
- Check that all the parts of the transport box are correctly secured.
- Check that it's easy to switch through the gears and that they do not make any noise.
- The frame, fork, and seat tube. Visual check: No cracks, deformities, or changes in colour (due to material fatigue or heavy rust). to the frame, fork or seat tube must occur.
- Quick-clamping equipment. Check that all quick-clamping equipment is firmly closed and correctly secured.
- Check the pre-tensioning of all quick-clamping equipment.
- The screw and socket connections. Visual check: The screw and socket connections must be correctly closed.

- Check whether the pedal drive is working and is correctly secured.
- Check whether the headlights and rear lights are working.
- Check whether the bell produces a clear sound.
- Check that the handlebar and the handlebar stem are securely positioned.
- Visual check: No cracks, deformities or colour change (due to material fatigue or heavy rust) must be present on the handlebar or handlebar stem.
- Check the tyre pressure (see chapter 10.4 "Tyre pressure"). Check the tyres for cracks and sharp parts.
- The rims and spokes. Visual check: No cracks, deformities or excessive wear must be present. Check the spokes to ensure they are evenly tensioned.

3.3 Adjusting the seating position

Finding the optimal seating position depends on the rider's body size, the frame size and frame geometry of the cargo bike and the settings of the handlebar and the seat. An incorrect seating position may mean that you can only reach the control elements on the handlebar to a limited extent. The seating position can be adjusted correctly by a Raleigh Stride dealer.

Significant features of a suitable seating position are:

- If a pedal is up, the knee angle of the upper arm and the crook of the arm is 90 degrees.
- The lower leg is slightly bent.
- If a pedal is to the front, the knee is located above the axle of the front pedal.
- The arms are relaxed and slightly bent outwards.
- The back is not in a vertical position in relation to the seat tube but should point slightly forward.



3.4 Adjusting the seat height

Your cargo bike is equipped with a quick release clamp (1). You can adjust the height with the clamp bolt and/or the quick release clamp

Opening and locking the quick release

Swing the quick-release lever outward. Adjust the seat tube to the desired height. Note the instructions for the minimum insertion depth on page 23. Rotate the quick release lever inward until it is against the seat tube in order to close the seat tube clamp. If you are not able to swing the quick-release lever to the seat post, you can reduce the pre-load by turning the adjusting screw in an anti-clockwise direction. Rotate the quick release lever inwards once again until it is connected to the seat post, in order to close the seat tube clamp.



- Check whether the seat cannot be turned.
- Check whether unusual sounds are emitted when opening or locking the quick release.
- Remove any soiling from the quick release with the help of a clean cloth.

If the quick release is not properly locked to the seat tube, the seat may become loose or be released during your ride. Before riding away, ensure that the quick-release lever is locked with sufficient pre-tension by tightening of the clamp bolt and is connected against the seat-tube. If you operate the quick release in an improper manner, you may squash your fingers or other body parts. Therefore, always operate the quick release with care.

Opening the quick release:

- Pull the quick-release lever (1) outwards from the corresponding frame part in order to open it.

Locking the quick release:

- Push the quick-release lever (1) in the direction of the corresponding frame part so that it is against the seat post, in order to lock the quick release.
- If you notice that the seat tube is not firmly fastened while the quick release is closed, adjust the quick release correctly.

3.5 Minimum insertion seat tube

There is a marking on the seat tube which shows the minimum insertion depth for the seat post, which is necessary to ensure safe usage of the seat tube. The seat tube may slip or break if the minimum insertion depth is exceeded.



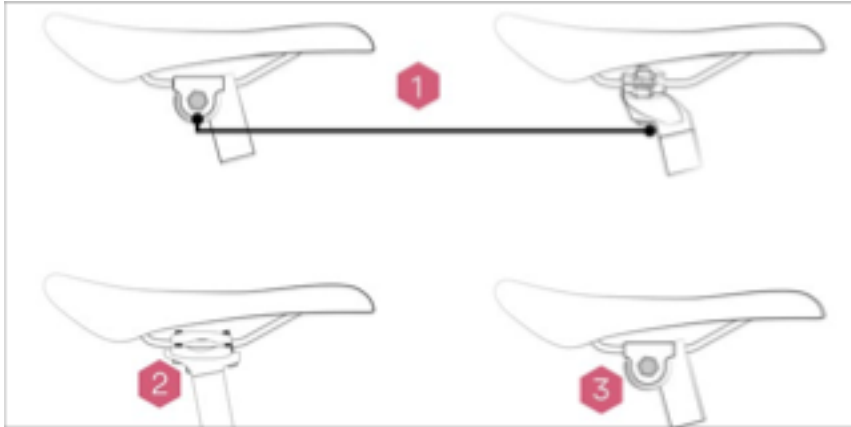
Take note of the minimum insertion depth of the seat tube.

When adjusting the seat height, note that the marking (1) on the seat tube is not visible.

3.6 Adjusting the seat position

In order to achieve a suitable seating position you can adjust the seat inclination on your cargo bike and the distance to the handlebar.

1. Turn the screw (1) or the screws (2) or (3) below the saddle one to two rotations in a clockwise direction.
2. Position the saddle in such a way that you assume a suitable seating position and so that you are able to operate all of the components on the handlebar safely during the journey.
3. Tilt the saddle in such a way that you can adopt a suitable seating position. A horizontal seating position is recommended. For seat tubes with 2 or 3 screws, you can set the inclination by turning the loosened screws against one another.
4. Pull the screw(s) beneath the seat in a clockwise direction, taking account of the torques.
5. Check whether you are able to move the seat.



3.7 Replacing components

If you are not able to find a suitable seating position by adjusting the seat, you can achieve a suitable seating position by replacing components. Components which can be replaced for this purpose are:

- The seat tube
- The seat
- The stem and the handlebar
- The pedal cranks

If it is not possible to adjust the seating position, you can have components with different measurements, or you might look for alternative components with different specifications, installed by a Raleigh Stride dealer.

4 The Raleigh Stride Cargo Box: Cleaning and Maintenance

The Raleigh Stride cargo box constitutes the main difference between a cargo bike and an ordinary bike. In order to protect the children and luggage, Raleigh recommends using a rain tent, a rain cover and/or a box cover. On the floor of the box two aluminium rails are fixed onto which the bench is mounted. These rails allow for easy assembly of other accessories without the need to drill holes in the box. Exact instructions for assembly are included with the accessories. Should you find difficult to install accessories, please have your additional accessories installed by a Raleigh Stride dealer.

The cleaning frequencies given here are guidelines. The frequency can be adjusted based on the circumstances. For light forms of pollution, use water with a standard cleanser, with a sponge or a non-abrasive nylon brush. In areas with normal contamination cleaning is advised at least once a month. Using the bike in areas with a higher degree of pollution, like city centres, industrial areas, airports, are advised to clean the box twice a month.

The cleanser must meet the following criteria:

- No abrasive effect, low alkaline or acidic (a pH value between 6 and 8).
- Free from strong solvents or alcohol, these substances can damage the film.
- The water must not be warmer than 80 °C/176 °F.

Warning: Do not use high pressure equipment when cleaning the box

5 Basic characteristics and components

This section contains information on the basic characteristics and components of electric-assisted cargo bikes. Unlike a non-electric pedal-operated bike, an electric cargo bike features the following additional components:

- Drive system (motor)
- Battery (single or dual*)
- Operating unit/Controller
- Display
- Charging device

Specific cargo bike components lead to significant differences compared to a normal passenger bike. The cargo bike has a significantly higher weight and a different weight distribution than a normal passenger bike. Also, the additional electronic components lead to significant differences between an electric cargo bike and a non-electric pedal operated cargo bike. The bike's average speed will increase as a result of the electrical drive components and the electrical drive has a significant influence on the braking behaviour. Cargo bikes require in general a higher braking force,

because of the cargo bike's weight and the extra load. This may mean that the level of wear is greater than with conventional bikes. All of the above elements will change the riding behaviour. Familiarise yourself with the riding and braking behaviour of the cargo bike away from road traffic. Note that other road users will be required to adapt to the higher speed of the cargo bike.

* optional, you can have your Raleigh Stride dealer instal a second battery.

5.1 Tuning or manipulations

The battery and battery charging device requires specific expertise. Do not make any modifications to the drive system or any additional components of your cargo bike in order to keep your warranty. This will change the riding behaviour. By tuning your cargo bike, irreparable damage may occur. The frames, wheels and brakes are not designed for higher speed. Any change to the drive system or other components will cause the guarantee or other claims for replacement to become void.

Warning: Tuning or manipulations made to your Raleigh Stride may have a negative influence on behaviour and may lead to accidents and injuries.

Warning: When modifications to the drive system of the cargo bike are made, you run the risk of losing your warranty.

5.2 Electrical drive system

Your Raleigh Stride is equipped with a Bosch Performance CX GEN4 Cargoline motor. This electrical drive system is exclusively designed to operate your cargo bike and may not be used for other purposes.

5.2.1 Cycling with electrical pedal assistance

We recommend that you first try out the Raleigh Stride cargo bike in a quiet environment and without children. This way you can get used to your Raleigh Stride.

- Only switch on the pedal assistance when you feel safe and secure.
- Pay attention when steering, we recommend reducing speed before steering.
- The pedal support is interrupted when you stop pedalling. As soon as you start pedalling again, the support switches on again automatically. Cycling with your Raleigh Stride is, if the pedal assistance is switched on, different from a non-electric (cargo) bike.
- The pedal assistance is legally limited at a speed of 25 km/h.
- When the pedal assistance is turned off, the Raleigh Stride cycles heavier than a

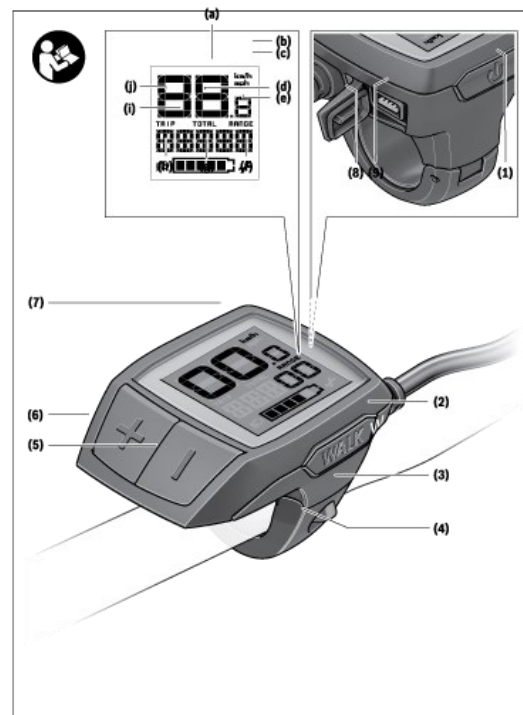
non-electric cargo bike. This is due to the weight of the electric components.

- Never walk with the pedal assistance switched on, as the Raleigh Stride cargo bike can suddenly accelerate if you accidentally bump into the pedals.
- If you still want to switch on the pedal assistance while walking, use the walk-assist function.
- Stop pedalling while braking and try to brake simultaneously and evenly with both brake levers.
- Switch off the support in case of a poor or slippery road surface.

5.3 Bosch Purion

For a detailed explanation of the Bosch motor, display and battery, please read to the enclosed Bosch manual, or to bosch-ebike.com.

1. On/off button for on-board computer
2. Push walking assistance button
3. Fastening screw for on-board computer
4. Holder for on-board computer
5. Decrease assistance level button-
6. Increase assistance level button+
7. Display
8. Protective cap for USB port
9. Micro USB port (for service purposes only)



Display elements of on-board computer

- a. Speedometer
- b. Km/h unit indicator
- c. Mph unit indicator
- d. Total distance indicator (TOTAL)
- e. Range indicator (RANGE)
- f. Service indicator
- g. Battery charge indicator
- h. Illumination indicator
- i. Assistance level indicator/value indicator
- j. Trip distance indicator (TRIP)

5.3.1 Switching the drive system on and off

Only switch on the drive system if you are sitting on the cargo bike. The following options are available for switching on the system:

- Press the on/off button (1) of the on-board computer with the battery inserted.
- Press the on/off button of the cargo bike battery (see battery operating instructions).

The drive is activated as soon as you start pedalling (except if you are using the push-assistance function or if the assistance level is set to OFF). The motor output depends on the settings of the assistance level on the on-board computer. As soon as you stop pedalling, when in normal operation, or as soon as you have reached a speed of 25 km/h or 15.5 mph, the Raleigh Stride drive switches off the assistance. The drive is automatically reactivated as soon you start pedalling again and the speed is below 25 km/h or 15.5 mph.

5.3.2 Setting the assistance level

On the on-board computer (9), you can set the level of assistance you want while pedalling. The assistance level can be changed at any time, even while cycling. The following assistance levels are available as a maximum:

- OFF: Motor assistance is switched off. The Raleigh Stride can just be moved by pedalling, as with a normal bicycle. The walk assistance cannot be activated at this assistance level.
- ECO: Light assistance with maximum efficiency, for maximum range.
- TOUR: Steady assistance, with a long range for touring.
- SPORT: Powerful assistance for cycling in urban areas.
- TURBO: Maximum assistance for maximum speed or when driving uphill. The extent of the assistance will be automatically set depending on:
 - Selected level of assistance.
 - Pedalling force.
 - Load and speed.
 - Terrain.

The electrical drive will assist you when pedalling up to a speed of 25 km/h or 15.5 mph. If you reach a higher speed than 25 km/h or 15.5 mph, the electrical drive will automatically switch off. If the speed falls below 25 km/h or 15.5 mph, the electrical drive will once again automatically switch on. To increase the assistance level, press the + button (6) on the operating unit repeatedly until the required assistance level appears on indicator (i). To decrease the assistance level, press the – button (5). The requested motor output is displayed in the indicator (i). The maximum motor output depends on the selected assistance level. When the on-board computer is removed from the holder (4), the assistance level that was last displayed is saved; the motor output indicator (i) remains empty.

5.3.3 Switching bike lights on/off

The front and rear lights can be switched on and off at the same time via the on-board computer by pressing the + button (6) for a few seconds. When the lighting is switched on, the illumination indicator will appear (h) on the display and when the lighting is switched off, the illumination indicator will disappear (h). The on-board computer saves the light status and activates this saved status accordingly after a restart. Switching the bike light on and off has no effect on the back lighting of the display. The front of the box of your Raleigh Stride is equipped with LED-light. This is an extra LED-light, which is switched on automatically when the front light is activated.

5.3.4 Switching the push walking assistance on/off

The push walk assistance helps you to push your Raleigh Stride. The speed in this function depends on the selected gear and can reach a maximum of 6 km/h. The lower the selected gear, the lower the speed of the push walking assistance function (at full power). The push walking assistance function must only be used when pushing the Raleigh Stride. There is a risk of injury if the wheels of the Raleigh Stride are not in contact with the ground while using the push walking assistance. To activate the push walking assistance, briefly press the walk button (2) on your onboard computer. After activation, press the + button within 3 s and keep it pressed.

Note: The push walking assistance cannot be activated at assistance level OFF. The push walking assistance is switched off as soon as one of the following occurs:

- You release the + button;
- The wheels of the Raleigh Stride are locked (e.g., by applying the brakes or hitting an obstacle);
- The speed exceeds 6 km/h. The push assistance function is subject to local regulations; the way it works may therefore differ from the description above, or the function may even be deactivated completely.

Warning: Do not use the push walking assistance longer than necessary. By using it for an unnecessary long term, the drive system might overheat.

5.3.5 Battery charge indicator

The battery charge indicator (g) displays the state of charge of the bike's battery, not that of the onboard computer's internal battery. The state of charge of the battery can also be checked on the LEDs of the battery itself. Each bar of the battery symbol on the indicator (g) represents approximately 20 % of the capacity:

The battery pack is fully charged.



The battery pack should be recharged.



The LEDs of the battery charge indicator on the battery go out.



Once the capacity for assisting the drive has been used up, the assistance is gently switched off. The remaining capacity is still available for the lighting and the onboard computer, the indicator flashes. The remaining capacity of the e-bike battery is enough for about two hours of lighting. This does not account for other consumers (e.g. automatic gearbox, charging external devices at the USB port). If the on-board computer is removed from the holder (4), the last displayed state of charge of the

battery is saved. If your Raleigh Stride is powered by two batteries, the battery charge indicator displays the state of charge of both batteries. Note: The indicator and LEDs give an indication, not an exact percentage.

5.4 Instructions for using the battery

By default, your Raleigh Stride is equipped with one Bosch battery. A second battery is optional. The battery is located at the bottom of your steer, at the back of the box.

Warning: Always charge the battery in a dry environment.

5.4.1 Charging the battery

Use only the charger included with your e-bike or an identical original Bosch charger. Only this charger is compatible with your Raleigh Stride lithium-ion battery. Note: The battery is supplied partially charged. To ensure full battery capacity, fully charge the battery in the charger before using it for the first time. To charge the battery, read and follow the instructions in the operating manual for the charger.

The battery can be charged at any state of charge. Interrupting the charging process does not damage the battery. The battery has a temperature monitoring function which only allows to be charged within a temperature range of 0 °C to 40 °C. If the temperature of the battery is outside this charging range, three of the LEDs on the battery charge indicator will flash. Disconnect the battery from the charger and let it acclimatise. Do not reconnect the battery to the charger until it has reached the correct charging temperature.

The five green LEDs on the battery charge indicator indicate the battery's state of charge of when the battery is switched on. Each LED represents approximately 20 % of the charging capacity. When the battery is fully charged, all five LEDs will be lit. The battery's state of charge when switched on is also shown on the display of the onboard computer. Read and follow the instructions in the operating manuals for the drive unit and on-board computer. If the battery capacity is less than 5 %, all the LEDs on the battery charge indicator on the battery will go out. When the battery is empty, the lightning will stay on up to two more hours. The display function of the onboard computer, however, will carry on working. Once charging is complete, disconnect the battery from the charger and the charger from the mains.



5.4.2 Charging procedure Dual Battery

If two batteries are installed on your Raleigh Stride cargo bike, both batteries can be charged via the unsealed connection. First, both batteries are charged consecutively to approx. 80–90%, then both batteries are charged in parallel (the LEDs of both batteries flash). During use, both batteries are alternately discharged. If you take the batteries out of the holders, you can charge each battery individually.

For complete information about the Bosch Powerpack and Charger, see the Bosch User Manual supplied.

5.4.3 Inserting and removing the battery

In order for the battery to be inserted, the key must be inserted into the battery lock and the lock must be open. To insert the standard battery, place it onto the contacts on the lower holder on the Raleigh Stride (the battery can be tilted towards the frame by up to 7°). Tilt it into the upper holder as far as possible until you hear it click into place. Check that the battery is secure in all directions. Always secure the battery by closing the lock – otherwise the lock may open, and the battery may fall out of the holder.

Always remove the key from the lock after closing it. This prevents both the key from falling out and the battery from being removed by unauthorised third parties when the e-bike is not in use. To remove the standard battery, switch it off and open the lock using the key. Tilt the battery out of the upper holder and pull it out of the lower holder.

5.4.4 Range

The electrical drive is a support motor. The range will be influenced by the force of pedalling. Set the assistance level in the lowest level (ECO) for maximum range. The lower the pedalling frequency of the pedal drive, the higher the energy requirement for the drive. High loads will cause the energy consumption to increase. Inadequate servicing and maintenance of the cargo bike may reduce its range. Look after your cargo bike and take note of all of the instructions concerning the battery in the Bosch original instructions.

- Check the tyre pressure regularly to improve your range (see chapter 10.4 "Tyre pressure").
- Adhere to the servicing intervals.
- Temperatures below +10 °C/50 °F may reduce the battery range.

If you are not using your cargo bike:

- Remove the battery from the holder when outside temperatures are low and store it.
- Only put the battery into the holder immediately before traveling.

If the battery is completely exhausted during the trip, you can use your cargo bike in the same way as a pedal-operated bike. If the battery charge is exhausted, the electrical drive system will switch itself off. The lighting will be provided with energy for another 2 hours.

Note: It's possible to buy an additional Bosch battery. Be aware of buying the correct additional battery, including Bosch docking station, right motor cable and the second battery lock system designed for Raleigh Stride.

5.4.5 Overheating protection of the driving system

The electrical drive will be automatically protected from damage due to overheating when external temperatures are high or during rapidly ascending routes. If the drive temperature becomes too high, the electrical drive system will switch off automatically.

- In order to avoid overheating of the electrical driving system, set a low assistance level when external temperatures are high or rapidly ascending routes.
- If the electrical drive system is switched off when the battery is charged and at speeds below 25 km/h or 15.5 mph, do not use the cargo bike until the electrical drive system has cooled down. If the malfunction is not rectified through the electrical drive system cooling down, have the cargo bike checked by a Raleigh Stride dealer.

Warning: The electrical drive and the battery may become very hot when in use. You may become injured if contact is made with the skin.

5.4.6 Transporting or shipping the battery

Lithium-Ion batteries are subject to the requirements of legislation relating to dangerous goods. Batteries which are not damaged may be transported on roads by private users without any additional restrictions.

For commercial transport, note the particular requirements governing packaging and labelling, e.g., for air freight or haulage contracts.

Seek information about transporting the battery and suitable transport packaging, e.g., directly from the transport company, from Raleigh Stride customer service or from your Raleigh Stride dealer. If you are transporting the cargo bike, remove the battery and transport it separately and secure it against knocks and impact.

Protective features

The battery of your cargo bike is equipped with protective features:

- Protection against overheating.
- Protection against exhaustive discharge.

Note the accompanying Bosch original instructions when using your cargo bike's battery.

5.5 Instructions on the additional components of the cargo bike

Take note of the safety instructions concerning the charging device (see chapter 2 "Safety") if you use the charging device.

Take note of the accompanying Bosch original instructions on the components and operation of your cargo bike.

The assistance provided on cargo bikes is effective up to a speed of 25 km/h/15.5 mph. The technical design of your cargo bike meets the European standards for E-bikes.

- Seek information on the relevant regulations governing road traffic for the state or the region e.g., from the Ministry for Transport.
- Ensure that you seek to update your information continuously for amendments to the valid regulations.

- Take note of the attached Bosch original instructions if you wish to operate your cargo bike.

5.6 Residual risks

Use of your cargo bike is associated with the following unforeseeable residual risks despite adherence to all safety instructions:

- Do not breathe in any gases or vapours which are emitted. Prevent skin contact with liquids which are emitted. The battery may combust due to internal, non-visible damage and ignite objects in its vicinity.
- Do not attempt to extinguish a battery fire yourself.
- Keep your distance from the battery. Allow the battery to burn out in a controlled fashion. If the battery is burning, hydrofluoric acid will be emitted with the flue gas. Hydrofluoric acid is highly corrosive and will cause permanent damage to surfaces.
- Do not use damaged batteries.

Warning: Invisible internal damage and fire can cause gases, vapours, and liquids to escape from the battery. Avoid physical contact with these substances!

5.7 Error code display

The cargo bike system's components are continuously and automatically monitored. If an error is detected, the corresponding error code is displayed on the on-board computer. The drive may be automatically shut down, depending on the type of error. However, if you wish to continue cycling, you will always be able to do so without assistance from the drive. Check the full Bosch manual or bosch-ebike.com for all the possible error codes.

Code	Reason	Corrective measures
410	One or more buttons of the on-board computer are disabled	Check whether any buttons are stuck e.g., as a result of dirt finding its way in. Clean the buttons if need be.
414	Operating unit connection problem	Have the connections checked.
430	Internal battery of the onboard computer is flat	Charge the on-board computer (in the holder or via the USB port) or by changing the battery in case of the Purion display.
503	Speed sensor error	Restart the system. If the problem persists, contact your Raleigh Stride dealer.

592	Incompatible component	Use a compatible display. If the problem persists, contact your Raleigh Stride dealer.
605	Battery temperature error	The e-bike is outside of the permissible temperature range. Switch off the system and allow the drive unit to either cool down or heat up to the permissible temperature range. Restart the system. If the problem persists, contact your Raleigh Stride dealer.
620	Charger error	Contact your Raleigh Stride dealer.

6 Brakes

Adapt your driving and speed to the weather and road conditions. In wet conditions the performance of the brakes may reduce, and the braking distance may increase. If you operate the front brake too heavy, this may lead to somersaulting. Therefore, we strongly advise you to brake simultaneously via the left-hand and right-hand levers.

- Use the left brake lever for the front wheel carefully at high speed.
- Adapt the braking force to the riding situation.
- Always brake simultaneously with both brakes.
- Use the rear brake with care.
- Incorrect brake pads may lead to reduced or increased brake performance or to brake failure.
- Only replace brake components with original spare parts.
- Raleigh Stride is equipped with two disk brakes which take independent effect on the front wheel and the rear wheel. Over a short braking distance, brake evenly with both brakes.

Warning: If you notice that the effect of the brake is low, have the brake system checked by a Raleigh Stride dealer.

6.1 Checking the brakes

Carry out the following instructions for the front wheel brake and the rear wheel brake:

1. Check that all the screws in the braking system are firmly screwed.
2. Check whether the brake lever is torque-proof against the handlebar.
3. Check whether there is still at least 1 cm/0.4" of clearance between the brake lever and the handle when the brake lever is fully deployed. If the clearance is less than 1 cm/0.4", have the brake system checked by a Raleigh Stride dealer.

4. Check the extent of the wear to the brake pads. Ask a Raleigh Stride dealer to explain how you can check for wear.
5. Check by gently moving the brake disc back and forth whether or not the brake disc sits on the front or rear wheel and is backlash-free.
6. Check whether the front wheel or rear wheel is blocked when the brake is deployed.

If you discover loose screw connections, have the screw connections tightened by a Raleigh Stride dealer.

6.2 Brake lever assignment

The brake levers are assigned as follows in the basic configuration:

- The right-hand brake lever operates the rear wheel brake.
- The left-hand brake lever operates the front wheel brake.

Acquaint yourself with the brake lever assignment before starting a journey. Get in touch with a Raleigh Stride dealer if you wish to change the brake lever assignment.

6.3 Disc brakes

When pulling the brake lever, the brake pistons (located in the brake callipers (2) of the disc brakes) will be pushed outwards. The brake pistons will press the brake pads against the brake discs (3)

- Check the disc brakes regularly for wear and functionality. And clear the breaks afterwards.
- Remove any soiling to the components of the disc brakes and the brake disc immediately with a lightly moistened towel.
- Clean the brake discs regularly with brake cleaning fluid or warm water. Using the disc brakes causes wear to the brake pads and brake discs. With hydraulic disc brakes, the brake liquid in the hydraulic lines (1) is also subject to wear.

Ask a Raleigh Stride dealer for an inspection to check the wear of the brake pads. Carry out the following for the front wheel and rear wheel brake:

If the disc brakes are new or if the brake pads or the brake discs have been renewed, the disc brakes need to be applied. For this, note the manufacturer's instructions or ask a Raleigh Stride dealer. If the effect of the disc brakes is insufficient after applying them or if you hear unusual sounds while braking, have the disc brakes checked by a Raleigh Stride dealer.

6.3.1 Using the disc brakes

The rear wheel lock reacts faster than the front wheel lock when the same braking force is applied. Depending on the model, your cargo bike is equipped with different brake types on the front wheel and on the rear wheel.

- In order to brake, pull the brake lever with your fingers in the direction of the handlebar.
- Regulate the braking effect by using different force levels on the brake lever.
- When braking, use the rear brake first and the front brake second. Avoid using only the front brake for abrupt stops.
- In order to loosen the disc brake, release the brake lever. Over a short braking distance, brake evenly with both brakes.

6.4 Adjusting the disc brakes

If brakes are not installed professionally, the brake performance may reduce, or the brakes may fail. Let the brakes only be set up by a Raleigh Stride dealer and have the brake adjustment explained to you by a Raleigh Stride dealer.

6.4.1 Replacing the brake pads

Incorrect or incorrectly installed brake pads may lead to malfunction; therefore the disc brakes may not work.

- The Raleigh Stride 2 & 3 require a higher brake power which can result in higher wear.
- Only use original brake pads for disc brakes.
- When purchasing brake pads, always seek professional advice.
- Check every now and then whether the brake pads are worn.
- Have the brake pads replaced by a Raleigh Stride dealer.

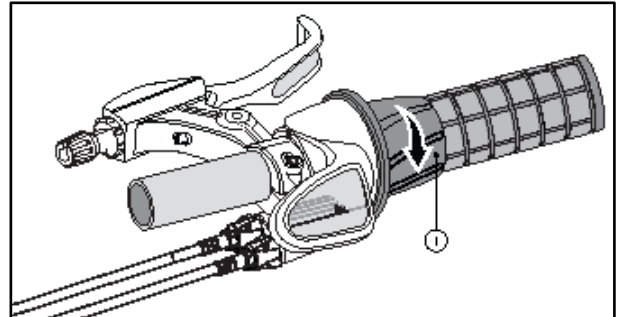
7. Using the Enviolo Cargo stepless gear system

Familiarize yourself with the functions of the transmission before driving into road traffic. Incorrect use of the gear can cause damage. Enviolo's continuously variable transmission does not have classic gears or steps but is continuously variable. The gear is located in the rear wheel hub. You can shift gears using the rotary handle adjuster.

7.1 Using the continuously variable transmission (Enviolo hub)

To adjust your gear, use the twist grip adjuster (1). The selected gear can be read in the adjuster display (2):

- Display (2) "flat": low / heavy cadence for flat roads.
- Display (2) "climbing": high / light cadence for uphill roads.
- Turn the adjuster (1):
 - Reverse for upshifting (reduction of the pedal frequency; pedaling becomes harder).
 - Forward (in the direction of travel) to downshift (the pedal frequency increases, pedaling becomes lighter).



7.2 Adjusting the continuously variable transmission

If the gears are incorrectly adjusted, they can be damaged during use. Contact your Raleigh Stride dealer / bicycle mechanic to adjust the setting of the continuously variable transmission if these do not work properly. If the transmission no longer functions properly, change the position of the adjusting nut.

- Gently turn the adjusting nut:
 - Clockwise, if the clearance is less than 0.5mm / 0.02 ".
 - Counterclockwise, if the distance is greater than 1.5mm / 0.06 ".
- Check for improvement and repeat the previous step if necessary.

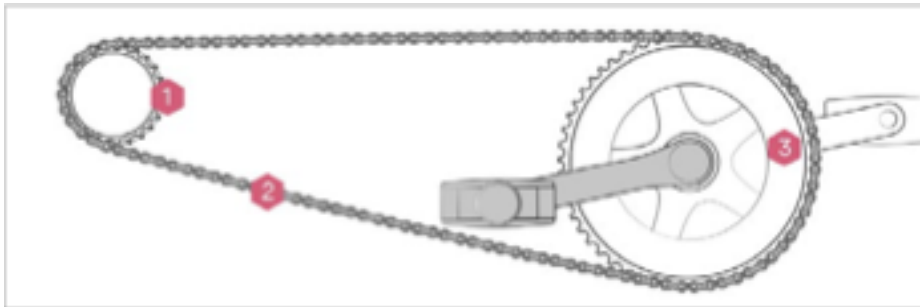
7.3 Operating the hub gears

Familiarize yourself with the functions of the gear shift before entering road traffic. If you operate the gear shift incorrectly, this may cause damage. The Enviolo continuously variable transmission does not have classic gears but is continuously variable. The gear shift is located in the rear wheel hub. You can switch up and down using the twist-grip control.

8 Operating the Shimano Nexus 5 gear system

A cargo bike with gear hub, combined with a Shimano Nexus 5, is a traditional chain drive. The gear can be found in the hub of the rear wheel.

1. The sprocket
2. The chain
3. The chain wheel



8.1 Use and maintenance of the gear hub

The hub should be lubricated at least once a year or approximately every 2000 km. Contact a Raleigh Stride dealer / bicycle repairer for this maintenance.

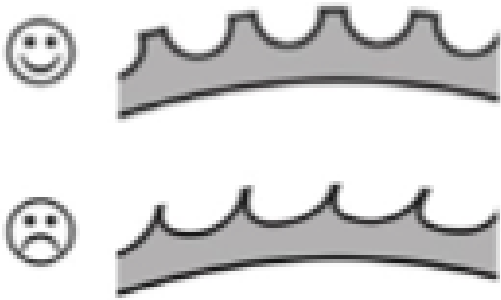
Regularly check all gear hub components for wear or damage.

The internal gear hub is not completely waterproof. Do not use the hub where water can get in. Also, do not use high pressure water to clean the hub. Otherwise, the internal mechanism may rust.

Visually inspect the shifting cable and inspect the cable sheathing and wires for damage and / or cracks.

Have the sprocket and / or the chain wheel replaced by a Raleigh dealer / bicycle repairer if you notice that individual teeth are extremely sharp (so-called shark teeth) (1) or (2).

- Contact a Raleigh dealer / bicycle mechanic if parts show signs of damage or wear, if you notice unusual noises when shifting gears or if you are unable to shift properly through all gears.
- Maintain the chain drive with suitable maintenance products to prevent wear and tear from weather and environmental influences. Contact a Raleigh Stride dealer / bicycle repairer to obtain information about this. When lubricating your derailleur and chain, be careful not to accidentally lubricate the brake discs.



Note: Contact a Raleigh Stride dealer / bicycle repairer if adjustments to the chain drive are necessary.

8.2 Operating the chain drive

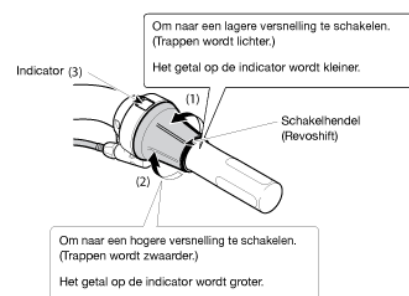
If you are unsure of how to operate the chain drive or if you are bothered by it, this can be distracting in road traffic. Before entering road traffic, you should be familiar with the functions of the chain drive.

- Incorrect use of the hub gear can cause damage.
- Do not press hard on the pedals while shifting.
- Do not pedal backwards while shifting.

8.3 Using the gears

Rotate the shift lever (Revoshift) to shift each of the gears.

- To shift down a gear, turn the gear lever backwards (1).
- To shift up one gear, turn the gear lever forward (2).
- The selected gear is visible on the indicator (3).



9 Lighting

Your Raleigh Stride is equipped with the following lighting.

- 1 headlight (Raleigh Stride 2) or 2 headlights (Raleigh Stride 3)

- 1 Rear light
- Side reflectors for front and rear wheels
- Pedal reflectors
- White front reflections
- Red rear reflectors, 2 pcs

In many countries, the cited lighting components must also be available on the cargo bike and ready to operate if the cargo bike is exclusively used in daylight (in light conditions). LEDs cannot be replaced in headlights and rear lights. When the LEDs have reached the end of their service life, the corresponding lighting components must be exchanged. Have any defective lighting replaced by a Raleigh Stride dealer.

9.1 Operating the lighting

You can switch on the lighting of your Raleigh Stride by using the Bosch remote control on your handlebar. If you do not have lighting or if it is inadequate, other road users may not be able to see you well and you may not notice unevenness in the road or obstacles.

9.2 Setting up the headlight

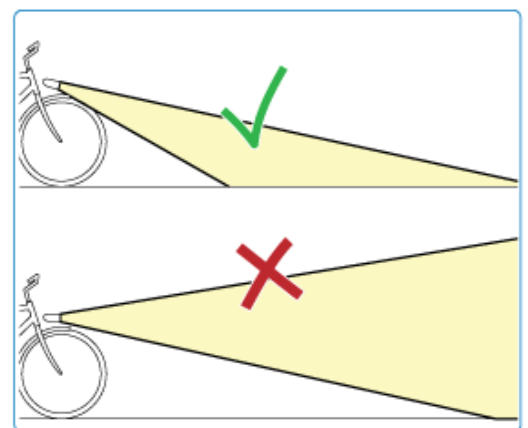
Headlights must be set up in such a way that oncoming road users are not blinded. Loosen the screw (1) by several turns in an anti-clockwise direction.

Set up the headlights in such a way as described in "Setting up the headlight range".

Affix the headlights by tightening the screw (1) in a clockwise direction.

The headlights must be set up in such a way that the light beam emitted is at half the height of the headlight at a distance of 5 m/16.4 ft.

- Switch the headlights on in order to check the direction of the light beam being emitted.
- Loosen the screw (1) by several turns in an anti-clockwise direction.
- Set up the headlights correctly as described above, by tipping them forwards and backwards.
- Secure the headlights by tightening the screw (1) in a clockwise direction.



Note: Ensure all lighting correspond to your national and regional requirements.

10 Wheels, tyres and suspension

The front and rear wheels consist of a hub, spokes, rims, and the tyres running around the rims with an inner tube. In order to protect the inner tube from the base of the rims and the spoke nipples there is a rim tape on the rim. When in use, the front wheel and rear wheel will be subject to heavy strain through the weight of the rider, the load in the cargo box and any unevenness in the path.

- Please have your tyres checked and if necessary, aligned at a Raleigh Stride dealer after your first driving period. This check must be carried out after your first 100 km/62 miles or 2 months (at the latest) after purchasing.
- Check your front and rear wheel on a regular basis for possible damage and correct alignment.
- On the tyre flank you will find details concerning the maximum pressure for the relevant tyre. By default, your Raleigh Stride is equipped with two Schwalbe-tyres.
- Front wheel tyre pressure: 2.0 - 4.5 Bar or 30 - 65 Psi
- Rear wheel tyre pressure: 2.0 - 4.0 Bar or 30 - 55 Psi

Note: The correct tyre pressure will lead to a higher battery range and reduces the risk of a broken spoke.

It is advisable to check and correct the tyre pressure at least once a month. A pressure loss of 1 bar per month can be considered normal.

10.1 Rims and Spokes

If the front and rear wheels are not aligned or if they wobble, this compromises rider safety. Have the front and rear wheel aligned by a Raleigh Stride dealer if they are not aligned or if they wobble. If the spokes are not correctly or evenly tensioned, this may compromise how well the front or rear wheels turn. By riding over obstacles quickly, such as a curb, or if a spoke nipple comes loose, this may compromise the tension of individual spokes. If individual spokes are not correctly tensioned or if they are damaged, the affected wheel will no longer turn well. It will wobble and the stability of the rims may be compromised, causing the rim to break.

- Check the spokes for cracks and damage.
- Have damaged spokes replaced immediately. Contact a Raleigh Stride dealer.
- Ensure that the spokes are subject to even tensioning by carefully pressing together two spokes at a time.
- Have the spokes tensioned by a Raleigh Stride dealer if you notice that individual spokes have loosened.

- Check the rims for cracks and damage.
- Have damaged rims replaced immediately. Contact your Raleigh Stride dealer.

10.2 Tyres

Damaged tyres may burst when riding. Check on a regular basis whether tyres are damaged or have been significantly worn. Change the tyres if you notice damage or significant wear. If you do not have the required knowledge or the necessary tools to change the tyres, contact a Raleigh Stride dealer. Keep reflectors clean and replace missing or worn reflectors immediately. If the tyres you have used do not correspond to the original size, components may become damaged.

There are different types of tyres which can be used, depending on the intended purpose of the cargo bike.

On the tyre wall, the tyre size is indicated in millimetres or inches.

- Notation for millimetre indication: width - inner diameter, e.g., 62-584. The pumped-up tyres are 62 mm wide, the inner diameter is 584 mm.
- Notation for inch indication: Inner diameter × width, e. g. 27,5"×2.4". The pumped-up tyres are 2.4" wide, the internal diameter is 27,5".

The tyres and rims are not airtight; rather the air is retained in the inner tyres with the help of an inner tube which is filled with air via the valve. Contact a Raleigh Stride dealer if the tyres show signs of cracks or damage or if the profile is very worn.

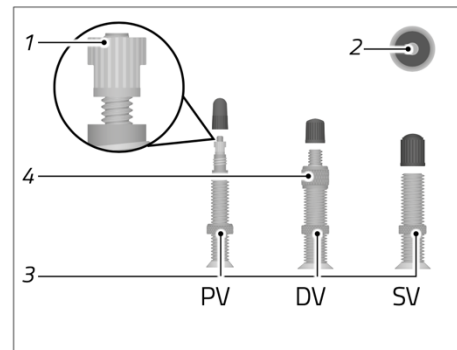
Warning: Ensure that the tyres do not show signs of cracks or damage due to sharp parts or sharp objects. Check the level of wear to the tyre profile and ensure that the tyres are not excessively worn. Slipping can be caused by worn tyres.

10.3 Valvetypes

Cycles may be equipped with one of the following valve types (see "Illustr.: Valve types"):

- Presta valve (PV): secured with a tappet in the valve, rim hole 6.5 mm/0.26".
- Dunlop valve (DV): secured with a union nut, rim hole 8.5 mm/0.33".
- Schrader valve (SV): secured with a tappet in the valve, rim hole 8.5 mm/0.33".

All three valve types have a valve cap to prevent the valve getting dirty.



Illustr.: Valve types (example)

- 1 Knurled screw
- 2 Valve tappet
- 3 Lower knurled nut
- 4 Upper knurled nut

10.4 Tyre pressure

On the tyre flank you will find details concerning the maximum pressure for the relevant tyre. These details are given in PSI, kPa or bar depending on the manufacturer. If the tyre pressure is too high, the inner tubes may burst during your ride or the rims may break and at an excessively low tyre pressure, the inner tube may become damaged. Take note of the details concerning the maximum and minimum tyre pressures.

A tyre pressure corresponding to the indicated lower threshold is suitable for:

- Light riders.
- Riding on uneven surfaces.
- Riding with high level of suspension comfort at higher rolling resistance.

A tyre pressure which corresponds to the indicated upper limit is suitable for:

- Heavier riders.
- Riding on even surfaces.
- Riding with low rolling resistance with lower suspension comfort.

Check regularly that the tyre pressure falls in the indicated zone and is correctly adapted to the rider and riding plans.

Note: the indications on the maximum and minimum tyre pressure. Fill the tyres with air at least corresponding to the indicated lower threshold and at the most

corresponding to the indicated upper threshold. Use the air pump with a pressure display in order to check the tyre pressure when pumping up the tyres.

10.4.1 Basic settings

The tyre pressure has an influence on the roll resistance and the suspension of the cargo bike.

- Ensure that your air pump has the appropriate connector or adapter for your valve.
- Check the tyre pressure with the help of a pressure gauge or an air pump with pressure display.
- Increase or reduce the pressure as desired by pumping up the tyres or allowing air to escape.
- Close the valve with the help of the protective cap you have previously removed.
- Once you have adjusted the tyre pressure, ensure that the lower knurled nuts on the valve are sitting correctly and securely. Affix the knurled nuts where appropriate by tightening them in a clockwise direction in the direction of the rim.

11 Rear Carrier

The rear carrier is suitable for the direct mounting of the MIK HD system for easy and safe mounting of MIK HD compatible child seats (or other MIK accessories) and suitable for lighter luggage while traveling. The maximum load of the rear carrier is 59 lbs. Do not change the rear carrier, otherwise the stability or functionality of the cargo bike may be compromised. Bicycle parts can be damaged by overloading the rear carrier. The maximum load of the rear carrier and the maximum total weight of the cargo bike must be considered when loading it. Do not exceed rear carrier weight limit of 59 lbs.

Luggage on the rear rack

- When loading your cargo bike, make sure that reflectors and lighting are always visible.
- When driving, consider the extra weight of the luggage on the rear carrier and the changed handling characteristics that this extra weight entails.
- It is possible that the braking distance will be increased and the balance of the cargo bike will be different if you add extra load / luggage.
- Secure the luggage to the rear carrier using, for example, lashing straps to prevent luggage from sliding.
- Place heavy luggage so that the heaviest point is as low as possible, for example at the bottom of the box or panniers.
- Always make sure that it is not possible for straps or cables to get into moving parts of the bicycle, for example a rotating wheel or the pedals.

12 Using the Prop stand or Parking Brake

12.1 Using the prop stand with the Raleigh Stride 2 two-wheel cargo bike

Stand on the left side of your cargo bike next to the saddle. Place your foot on the protruding part of the prop stand and pull the bicycle with both hands on the handlebars into the parking position. The cargo bike is now firmly on the stand. To remove the cargo bike from the prop stand, hold the handlebars with one hand and the saddle with the other, then push the cargo bike forward so that the stand folds up.

12.2 Using the parking brake with the Raleigh Stride 3 three-wheel cargo bike

All tricycle bicycles have a parking brake in the left brake lever. This is a knob or a catch that you slide. Squeeze the brake lever firmly and apply the parking brake.

13 Storage, cleaning, and disposal

This section includes information on the safe storage, cleaning, and disposal of your cargo bike.

13.1 Storing the cargo bike

If you do not use your cargo bike for an extended period, store it as follows:

- Store the cargo bike in frost-free and dry place, protected from significant temperature differences.
- If you are not able to store the cargo bike in a closed room, use the Raleigh Stride Bike Cover in order to protect the cargo bike when it is being stored outdoors.
- Clean the cargo bike before storing it.
- Protect the Raleigh Stride cargo bike from frost.
- Take out the battery if intent to store the bike longer than one month.

13.2 Cleaning the cargo bike

In the interest of your safety, also take note of the following safety instructions:

- Secure moving parts if possible.
- Do not use any aggressive cleaning products. Using incorrect cleaning products may lead to damage of the bike.
- Do not use any sharp, pointed, or metallic cleaning utensils.

If necessary, have your Raleigh Stride dealer advise you on suitable cleaning and maintenance products. For cleaning purposes, you require:

- Clean cleaning cloths.
- Mild, lukewarm soapy water.
- A sponge or a soft brush.
- Cleaning and maintenance products.
- Clean the cargo bike regularly, even if it is only lightly soiled.
- Wipe all surfaces and components down with a sponge moistened with a mild soapy solution.
- Wipe all surfaces and components after cleaning.
- Maintain all painted and metallic surfaces on the frame at least every 6 months. Ask Raleigh Stride customer services or a Raleigh Stride dealer for a paint stick in the colour of your cargo bike.
- Only use mild, lukewarm water without soap or other chemicals when you want to clean the disk brakes.

Note: Have your Raleigh Stride dealer advise you on suitable cleaning products.

13.3 Storing the battery

A damaged or incorrectly used battery can irritate and injure the respiratory system, the eyes or the skin. If you do not use the battery for an extended period, store it as follows:

- Remove the battery from the battery holder.
- Charge the battery to approx. 50 % of its capacity. Each time you charge the battery, disconnect it from the charging device and disconnect the plug from the socket.
- Store the battery in a frost-free place and protected against large differences in temperature in a dry, well-ventilated room without direct sunlight, ideally at +10 to +20 °C/50 to 68 °F, e. g. in a cellar.
- Store the battery in such a way that it is protected from falling, is protected against moisture and is not accessible to children and animals.
- If only one control light is blinking on the battery, charge the battery for 10 minutes.
- If you want to use the battery after storing it for between one and six months, charge the battery up beforehand.
- If you have stored the battery for 6 months or longer, have your cargo bike serviced by a Raleigh Stride dealer.
- If you store the battery for over 1 month, check the capacity of the battery once a month.

14 First inspection and maintenance

The obligatory first inspection, good care and regular maintenance will ensure that the Raleigh Stride cargo bike has a longer service life.

14.1 First inspection

To maintain the validity of the warranty services, you are obligated to have a professional first inspection carried out, at least 2 months after purchasing your cargo bike or after the first 100 km/62 miles of riding, whichever comes first. The first inspection may be carried out by your local Raleigh Stride dealer. Retain the documentation for the first inspection with care so that you can produce this documentation in case of warranty claims. (see section "Inspection record" on page 60)

14.2 Annual maintenance

Have your cargo bike maintained at least once a year by a Raleigh Stride dealer, a second maintenance is strongly advised by Raleigh Stride (after each 1000km).

Retain the documentation for the first inspection together with your receipt/proof of purchase with care so that you can produce this (see chapter 15.2 "Inspection record")

15 Cargo Bike passport

Brand, model:

Frame number:

Other information:

Condition the cargo bike is in:

You notes:

Article number:

Key number:

New

Used, mileage:

15.1 Transfer Report

The cargo bike is handed over fully assembled with: (tick if applicable and enter quantities)

Battery lock

Bicycle passport with technical data of the cargo bike

Manuals for (electric) cargo bike parts of the cargo bike:

Bosch Quick-start manual for the drive system

All functions of the cargo bike have been explained

The cargo bike is delivered ready for use

The cargo bike is delivered fully assembled, instructions on how to handle the cargo bike are explained.

Purchase and / or delivery date:

Purchase price:

Buyer

First and last name:

Address:

E-mail: Tel .:

Stamp

Dealer name:

Place, date, buyer, signature

Customer:

Place, date, signature

15.2 Maintenance intervals

1. First check

At approx. 100 km / 62 miles or 2 months, whichever comes first. Work performed:

Replaced parts:

2. Maintenance service

At approx. 1000 km / 620 miles or 1 year, whichever comes first. Work performed:

Replaced parts:

3. Maintenance service

At approx. 2000 km / 1240 miles or 2 years, whichever comes first. Work performed:

Replaced parts:

4. Maintenance service

At approx. 3000 km / 1860 miles or 3 years, whichever is reached first. Work performed:

Replaced parts:

16. Legal Notice

Version 1.0

Raleigh, Church St, Eastwood, Nottingham NG16 3HT, United Kingdom

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Raleigh as a company or Raleigh dealers accept no responsibility for damage caused by improper use. Only use the cargo bike as described in this user manual.

Any other use is considered improper and can lead to accidents, serious injuries and damage to the cargo bike. Improper use of the cargo bike will void the warranty (see full user manual). The cargo bike is intended for use by one person as a rider and the seating position of the cargo bike must be adjusted to the rider's size. The cargo bike is only intended for use on roads and paths with a level surface. Any use on unfinished paths that are not paved in asphalt, cement or plaster can cause damage to the cargo bike.

