



User manual



 Powered by
Nijland Cycling

Chariot

Note: Image may differ from your Chariot due to various versions.

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INTRODUCTION

This user manual provides you with important information about the use of the Chariot. We kindly request you to carefully read this user manual before using the cargo bike. It will familiarize you with the important components and necessary procedures for safe and enjoyable cycling. Always follow the instructions as given in the user manual and keep it in a safe place. The most up-to-date version of this user manual can be obtained from Cargo Cycling.

We wish you many years of cycling fun!

Team Cargo Cycling

TYPEPLATE



Figure 1: Location of the typeplate





Figure 2: Typeplate


The typeplate is located on the cargo bike through a sticker or coding in the frame. It can be found at the back of the seat tube (Figure 1).


The Type Plate or EPAC (electrically pedal assisted cycle) sticker is fixed to the bike and contains important information (Figure 2). You will find the brand name, name and address of the producer, phone number, email, and website. Next to that you can find the Model, Type and Article number of the cargo bike. It also indicates the tricycle is made according to DIN 79010 - this standard specifies requirements and test methods for single and multi-track transport and cargo bikes. The CE and UKCA markings indicating that the product meets legal requirements. You will also find the weight of the tricycle as well as the maximum permissible weight, which is the maximum weight allowed for the tricycle, the rider and the payload combined. Finally, you will find the frame number as well as the production date. The frame number is the unique identification number for your trike.

CONTACT DETAILS

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COMPLIANCE

Cargo Cycling, as the manufacturer, declares that the Chariot is produced in accordance with the Machinery Directive 2006/42/EC. Currently, there is no standard for heavy cargo bikes up to 550 kg. Cargo Cycling has used the cargo bike standard DIN 79010 as a reference and extrapolated the required tests relevant to the weight specified in this standard to the desired weight of 550 kg.

USE

Discover the Chariot FS2, the next-generation e-cargo trike designed to effortlessly transport large volumes (up to 1700 liters) and heavy loads (up to 200 kg payload). This impressive Chariot combines the convenience of a regular e-bike with the capacity of an XXL cargo bike. Built on years of experience and real-world usage data, we guarantee that the new Chariot meets the highest expectations of both fleet managers and riders. Thanks to its advanced tilting mechanism, the Chariot provides an unparalleled cycling experience. Unlike traditional tricycles where you may feel pushed out the corners, this mechanism allows you to smoothly maneuver through turns. The combination of these fundamental principles and a low center of gravity ensures stability and a fantastic riding experience. There are two Chariot FS models available.

COMMISSIONING

Note: *Inquire about the availability of training. If there is a specific training available, we recommend you taking it.*

Your dealer is obligated to go over the following points with you:

- Ensure that the cargo bike is properly adjusted for your height and weight.
- Practice in a quiet environment to become familiar with the cargo bike and develop good control.
- Practice using the hand brakes on different types of surfaces.
- Try cycling at different speeds and learn how to maintain balance.
- Take your time to get used to the bike and gradually increase the distance of your rides.
- Regularly inspect the cargo bike and make sure everything is working and adjusted correctly.

1. TIPS

We have the following tips for you:

- Keep the user manual in a safe place for future reference.
- Never use a high-pressure washer for cleaning, as water can remove grease and cause moving parts to wear out faster. Instead use a clean cloth for cleaning.
- Never lubricate the brake hubs with lubricants, as this can reduce their effectiveness.
- If you or your dealer want to adjust the handlebars or saddle height, ensure that the safety marking is not visible.
- Make sure you are visible; in poor visibility conditions, make sure the lights are on, especially during the evening hours.
- We recommend taking out a bicycle insurance policy. Make sure you have liability insurance.
- Always wear an appropriate and suitable bicycle helmet (EN-1078 approved) for every ride.

2. MAINTENANCE

Your dealer or service partner is responsible for maintaining your cargo bike. For your own safety and an optimal cycling experience, it is crucial to regularly check the following points:

With some regularity (depending on intensity of use):

Check your tire pressure, ensure that the lighting is functioning correctly, confirm that the brakes are properly adjusted, ensure that the pedals and cranks are securely fastened, inspect the headset for play, check spoke tension, ensure there is no wobble in the wheel, and confirm that the wheel axles are securely fastened. Check that the saddle and handlebar stems are securely fastened, lubricate the saddle and handlebar stems, inspect all fastening bolts to ensure they are tight, examine the frame and front fork for cracks and deformations, confirm that the bolts for the saddle and handlebar are properly tightened, and lubricate the pedal axle with grease.

Note: See the service and maintenance schedule in the back of this manual for a complete overview of required maintenance.

For a larger fleet:

If you manage a fleet of multiple cargo bike's, we recommend having the service performed at your location. When using a mobile service provider, it is important to ensure that the service is performed by reputable mechanics. Cargo Cycling can inform you which parties are suitable. Training of specific mechanics is also possible.


Note: It is not allowed to use parts that have not been approved by Cargo Cycling. Doing so will void the warranty.

General maintenance safety instructions

- Do not try to lift the Chariot cargo bike with your hands, always use a jack or a lift to prevent injuries.
- When performing mechanical repairs always make sure the electric system is turned off and remove the battery(ies) from the bike.
- Make sure the cargo box/loading area is empty and has nothing that could fall out during maintenance.

3. SAFETY

Getting started

 *Carefully read the manual. The manufacturer accepts no liability for damages resulting from non-compliance with these instructions.*


- Ensure that the saddle position is adjusted to your specifications as the user.
- Before each ride, ensure the cargo bike is in good condition. Check the proper functioning of the brakes and lights, and check if all wheels have the right tire pressure to prevent unnecessary wear.
- Regularly check that the wheels, handlebars, and saddle are securely fastened, as well as all bolt connections.
- It is recommended to always try out your Chariot initially in a quiet area, with the different modes of electric pedal support. 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.
- Take the time to get used to the functions of the electric motor assistance. Practice accelerating with the motor.
- Ensure that you are well-prepared before setting out.

When Riding

 *The cargo bike is suitable for use on existing bike paths and road sections designated for cycling.*


- Pay special attention to others on the road. Never use your phone while cycling.
- Do not ride the cargo bike after taking medication or under the influence of alcohol or drugs.
- Ride on a solid and flat surface whenever possible. Be mindful of potholes and uneven terrain and adjust your speed accordingly.
- Ensure that loose pants, flapping clothing, and untied shoelaces do not get caught in the spokes or pedals.
- Ride at a speed appropriate for the terrain and your riding abilities.
- Be cautious not to build up dangerous speed when descending. Brake in advance and adjust your speed to the conditions. We recommend a maximum speed of 25 km/h (15.5 mph).
- Be cautious when taking sharp turns and going over speed bumps; adjust your speed accordingly.
- Keep in mind that the braking distance is significantly longer in wet weather on a wet and dirty road (with leaves and/or mud).

- Always carry a mobile phone with you and have your dealer or service provider's number in your contacts.
- Never ride up or down curbs.
- Do not use a trailer behind the Chariot.

 ***Be ware of hot surfaces:*** when riding in hot temperatures the saddle, the hand grips and other surfaces of the cargo bike can get hot. Make sure to prevent direct skin contact in order to you protect your skin from getting burned.

Also do not touch the **disc brakes** in front and rear wheels immediately after using the bike. Allow them to cool off for at least 10 minutes.

After Riding and Maintenance

 *It is important to regularly maintain your Chariot to ensure it runs properly and that all wear and tear parts are in safe user conditions. Failing to do this may cause defects with safety risks and will void the Warranty.*

- Do not use a high-pressure washer or steam cleaner for cleaning. Use a clean cloth instead.
- Always lock the bike when leaving it unattended.
- After an accident, fall, or if the cargo bike has experienced a heavy impact, have the cargo bike inspected, even if there is no visible damage.
- Regularly maintain the Chariot by a qualified mechanic.
- Components may react differently to wear or fatigue. If the component's lifespan has been exceeded, it may suddenly fail and pose a risk to the user. Any signs of cracking, scratching, or color changes in heavily stressed areas indicate that the component's lifespan has been reached, and it should be replaced.
- Use only replacement parts approved by Cargo Cycling.

4. BEFORE EVERY RIDE

Before each ride, ensure the following:

- The lights and bell are functioning and are securely attached.
- The brakes are operational and securely fastened (see section 8. Brakes).
- If you have the model with hydraulic brakes, check that the cables and fittings are not leaking.
- The tires and rims are free from foreign objects, show no damage, and rotate smoothly.
- The tires have sufficient tread depth (see section 7. Tires).
- The suspension elements are functioning and securely attached.
- The bolts, nuts, quick releases, and axles are tightly secured, even if the electric cargo bike has been left unattended for a short time.
- The frame and fork show no deformations or damage.
- The saddle, seat post, stem, and handlebar are correctly and securely attached in the proper positions (see section 9. Saddle and 10. Handlebar).
- Before each departure, check that all doors/hatches are securely closed.

- Ensure that any cargo you are carrying is properly placed and cannot shift. This depends on the type of cargo box and bike configuration.
- The battery(s) is (are) securely fastened.
- Ensure that the battery(ies) is (are) sufficiently charged for the planned ride.

5. PREVENT THEFT

Points to consider:

- Always lock your cargo bike.
- If you are using a cable lock, you can anchor your cargo bike to a fence or pole. If the cable is long enough, pass it through both the frame and the front wheel.
- Take note of the frame number. This number is indicated on the cargo bike through a sticker or coding in the frame. Often, it can be found at the back of the seat tube.

Framenumber: _____

6. TYRES

If your tires are not at the correct pressure, they will wear out faster and there is a higher risk of getting a flat tire. Therefore, we recommend regularly checking if your tires have the right pressure. Use a bicycle pump or compressor with a pressure gauge. Riding on properly inflated tires is more enjoyable because the bike will have less resistance. Correct tire pressure also makes steering easier. The correct tire pressure can be found at the end of this manual under the section "Dimensions". You can determine the minimum tread depth using the tread wear indicator. This visual marking in the tire's tread indicates when the tire is worn out and needs replacement, as it becomes aligned with the remaining tread.

7. BRAKES

 *The Chariot is equipped with a **Mando system**:*

With a Mando system, you cannot brake using the pedals; this can only be done with the brake levers on the handlebars. You have both left and right brake levers.

The brakes are among the most critical components of your cargo bike. Use both brakes simultaneously as much as possible to reduce your speed. Always check before you go out if the brakes are working correctly. If you notice that the brake levers need to be pulled (almost) all the way to the handlebar before the cargo bike slows down, the brakes need to be readjusted or possibly replaced. The left brake lever is for the rear brake, and the right brake lever is for the front brake. The rear brake light automatically illuminates when you apply the brakes.

Parking Brakes:

The Chariot has both mechanical and hydraulic parking brakes (Figure 2 and 3). We recommend using both parking brakes for a short stop. If you are leaving the bike for an extended period (e.g., for storage), we advise placing the bike on a flat, horizontal surface and using only the mechanical parking brake (Figure 4). Always lock the bike.



Figure 3: Hydraulic parking brake



Figure 4: Mechanical parking brake

8. SADDLE

When you sit on the saddle, it is adjusted to the correct height if you can place your foot flat on the ground.

The saddle height can be adjusted by releasing the quick-release lever (Figure 5). Ensure that the saddle clamp is always securely tightened after making adjustments.

Note: The safety marking on the seatpost should not be visible when the seatpost is inside the seat tube (Figure 6).



Figure 5: Adjusting the saddle



Figure 6: Height marking on the seatpost

9. HANDLEBAR

The handlebar is positioned at a fixed height. With its minimalist design and straight handlebar, it offers a look that any rider will appreciate. The limited controls, such as the hydraulic and mechanical brake levers, the control panel and display, bell, and turn signals, provide an effortless and intuitive riding experience (Figure 7).



Figure 7: Handlebar of the Chariot

10. THE LOCK

The Chariot is equipped with a front wheel safety ring lock. The safety lock can be operated as follows (Figure 8):

1. Turn the key clockwise in the lock.
2. Push the slide lever downward to lock the front wheel.
3. Turn the key counterclockwise in the lock and remove the key from the lock.

You can unlock the wheel by inserting the key into the lock and turning it clockwise.



Figure 8: Ring lock

Note: Dont forget to first unlock the cargo bike before you start cycling.

11. CARGO BOX

The Chariot comes standard with an open rear flatbed (Figure 9). Various standard cargo boxes are available for selection. Additionally, it is possible to create a custom cargo box according to customer preferences. If the cargo box is custom-made, the instructions provided by the box supplier should be followed.

Example of a standard cargo box (Figure 10):

1500L (length x width x height): 1.37 m x 0.90 m x 1.21 m



Figure 9: Chariot without cargo box

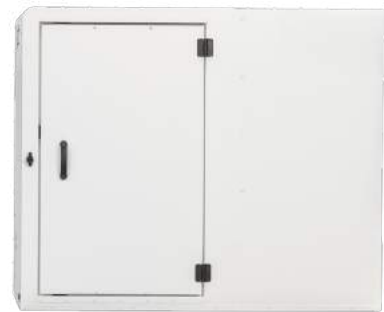


Figure 10: The cargo box

General loading instructions

Although there may be specific loading instructions for specific cargo boxes, it is important to follow these general loading instructions for maximum safety:

- The load must be stowed so that the centre of gravity of the entire load is as far as possible above the longitudinal centreline of the vehicle. This centre of gravity shall be kept as low as possible.
- Place the heavier packages as low as possible in the cargo box.
- The loading of a vehicle must be carried out within the limits of the permissible total weight and the permissible axle loads.
- Even with partial loads, an even distribution of weight must be aimed for, so that each axle is loaded proportionally.
- Aim for an even weight distribution across the two rear wheels (left and right) and the front and rear of the cargo box.
- Make sure the load cannot slide freely in the cargo area when riding.
- Uneven weight distribution can have a negative effect on braking and driving stability.

12. ELECTRICAL SYSTEM

The system can be operated using the display and control panel below (Figure 11):



Figure 11: control panel and display

Activating the system:

- 1. Turn on the system:** Press the On/Off button for 2~3 seconds to turn the system On/Off. You will see a screen in front of you where you need to enter a four-digit code. You can obtain your code from your dealer or manufacturer.
- 2. Enter the code:** Use the up and down buttons to select the correct number, then press the set button to enter the next digit. Repeat this until the code is entered and press the set button to confirm.

Operating the system while cycling:

The system has five possible riding modes, each tailored to the Chariot. For example, a low riding mode provides a different pedaling frequency and support level compared to a higher riding mode.

- **Shifting Up:**
Press the button for 1 second to select the next riding mode.
- **Shifting Down:**
Press the button for 1 second to select the previous riding mode.
- **Startup Assist:**
The bike features a startup assist. Press the up button for approximately 5 seconds to activate the startup assist. Keep the button pressed for as long as you want to use the startup assist. Releasing the button will stop the startup assist.

Display Information:

While cycling, you can view the following information on your display.

- **Current Speed:**

This displays the current speed of the cargo bike.

- **Personal Pedal Power:**

The red ring indicates the amount of personal pedal power you are exerting. The fuller the red ring, the more pedal power you are contributing.

- **Battery Status:**

The battery icon on the display shows the remaining capacity of your battery. This battery status allows you to estimate how far you can still ride. The distance you can cover with a battery depends on various factors. The major influencing factors include the level of acceleration, tire pressure, and temperature.

Note: *When you accelerate with a high level of assistance, the battery voltage will temporarily decrease. The indicator will then briefly display a declining battery status. Once you reach the cruising speed associated with the assistance level, the indicator will again show the accurate battery status.*

- **Trip distance:**

This shows the distance you have covered on the current ride.

- **Total distance:**

This shows the total distance the bike has traveled.

Selecting Bike Settings:

- **Set button:**

Hold the set button for 2-3 seconds to view/adjust the settings.

Lighting:

The Chariot's lighting turns on automatically.

- **Turn Signals:**

You can press this switch button to the left and right to indicate your direction. It activates the turn signals at the front and rear of the bike to clearly indicate the direction the rider intends to take. Push the button again to turn the signal light off.

- **Hazard Lights:**

Optional, depending on the country's regulations. By simultaneously pressing the left and right turn signal buttons, the hazard lights are activated. Repeating this will turn the hazard lights off.

13. BATTERY

The Chariot has two interchangeable LiFePO₄ (AES PowerPack Plus) batteries (Figure 12).



Figure 12: Location of the two LiFePO₄ batteries. One on the front side and one on the rear side of the bike.

General Instructions:

- To check the battery status, press the button located to the right of the battery status display once. The battery status is shown graphically by a battery symbol with 1 to 7 bars and numerically in percentages. Additionally, the current battery voltage is displayed in volts (V). When the bike is on, the battery status is shown on the handlebar display (Figure 11).
- Always insert the battery into the cargo bike holder evenly with both hands and never force it.
- A completely empty battery must be fully charged within 24 hours.
- Under no circumstances should the battery be opened! There is a potential risk due to high voltages, and doing so will void the warranty.
- Do not touch the electrical contacts in the battery connector.
- Before placing the battery on the charger, ensure that the electrical contacts of the battery are clean and dry.
- Never charge or use a damaged battery.
- There should be no flammable materials within a 1 meter radius of the battery.
- The battery should be stored out of reach of children and on a non-flammable surface.
- The charging location should be equipped with a functioning fire extinguisher (Class D, for metal fires).
- A defective, leaking, dropped, or deformed battery must be replaced immediately. The old battery should be returned to the dealer or the municipal recycling center.
- Do not drop the battery. Warranty is voided in case of damage from a fall.
- It is prohibited to perform modifications (such as drilling, sticking, etc.) on the battery.
- Ensure that the battery is locked in the battery holder when in use to prevent damage, loss, or theft.

Charging Instructions:

- Ensure that the charger cables are not bent and do not come into contact with hot surfaces or sharp edges.
- Inspect the battery and charger for any damage before each use. If you find any damage, do not use the battery or charger. Have maintenance performed by a qualified electrician.

- Users are prohibited from attempting to repair the battery themselves.
- The battery should only be charged with an original charger approved by AES. Ensure that the local mains voltage from the wall socket matches the corresponding charger.
- When charging, first connect the charger to the wall outlet and then to the battery connector.
- When the display shows 100%, it means the charger has finished charging. Also read the charger's instructions on the charger.
- When charging is complete, remove the connector from the battery first, and then unplug the charger from the wall outlet.
- Always charge the battery indoors.
- The battery must have a stable surface during charging to prevent it from falling. Avoid placing anything on the battery or the charger. Ensure there is enough air circulation. If you have multiple batteries, it is recommended to use an AES charging cabinet. It's important to prevent the battery from being in a too hot place (maximum 45°C). If the battery becomes very hot, stop charging immediately and contact your supplier.
- At outdoor temperatures below +5°C, the battery's capacity may temporarily decrease by up to 10%. Therefore, when it's cold outside, the battery should be charged at room temperature and connected to the system shortly before use.

Maintenance instructions:

- To clean the battery, ensure that it is not connected to the charger or any other system.
- The inside of the electrical connector of the battery should only be cleaned by qualified staff or by the manufacturer AES Akku Energie Systeme GmbH.
- Do not use aggressive cleaning products or solutions such as acetone.
- Use a soft, clean, and lint-free cloth.
- If you want to perform maintenance on the bike, first remove the battery.

i First use of your E-Drive battery:

- The first charge may take approximately 6 to 8 hours, the batteries are usually pre-charged at the factory. **CAUTION:** Your battery will reach its full capacity after being fully charged 5-10 times.
- When using the battery for the first time or if the battery has not been used for an extended period, fully discharge all energy from the battery. Then, recharge the battery fully within 24 hours. This prevents a decrease in efficiency and irreversible damage to the battery.
- The battery is splash-proof. However, avoid water getting in or around the battery.
- If you are not going to use the battery for an extended period, fully charge it and store it in a dry, cool place. Check the battery's voltage every month to ensure it maintains sufficient charge.
- Avoid placing the battery in excessively hot environments (max.45°C).
- Do not open the battery! Doing so will void the warranty.
- Do not apply force or pressure to the battery.
- Keep the battery away from fire.
- Do not shake or drop the battery. Warranty will be voided in case of damage from dropping.
- Do not perform any modifications on the battery such as drilling, sticking, etc.
- Be cautious of static electricity and prevent the battery from coming into contact with it.
- If the battery is broken, be cautious of your eyes! In case of eye contact, immediately rinse

with water and consult a doctor.

- If the battery starts to smell, becomes deformed, gets hot, or exhibits any unusual effects, discontinue using the battery and remove it from the bike or holder.
- If the battery and other parts of the battery are dirty, such as the connector, clean them with a dry cloth. Connectors can be sprayed with contact spray for better conductivity and against moisture.
- Stop using the battery while cycling if it runs out of power to prevent damage to the battery.
- Keep the battery out of reach of children.
- Remove the battery during maintenance.
- Ensure that the battery is securely locked during use to prevent damage, loss, or theft.

14. TRANSPORTATION AND STORAGE

We recommend the following:

- If you intend to transport the cargo bike with a van, truck, or trailer, ensure that it is done safely.
- We advise storing your cargo bike in a dry place.
- If you plan to store the cargo bike for an extended period, we recommend cleaning it first.
- When resuming use of the cargo bike after an extended period of non-use, it is important to check tire pressure and inflate them if necessary. Additionally, storing the battery charged and periodically recharging it is important to prevent deep discharge (see section 4. Before each ride).

DIMENSIONS

Total length:	300 cm
Total width:	100 cm
Total height (depending on the box):	max. 200 cm
Weight (Chariot incl. standard box):	250 kg
User height:	150 - 200 cm
Crank length:	17 cm
Maximum total weight (including rider):	550 kg
Step-in height:	43 cm
Max. permissible cargo box load:	200 kg
Front tire size:	19 x 2.50 inch
Rear tire size:	16 x 3.50 inch
Tire pressure:	Front: max 2.8 bar / Rear: max 2.8 Bar

SPECIFICATIONS

Frame:	Very strong custom-made steel frame
Color:	Black / Desired color
Electric system:	Serial hybrid system
Battery:	48V – 30Ah 1440Wh
Lighting:	The lights and turn signals are connected to the battery
Drive:	Heinzmann CargoPower, 2x rear wheel motor
Sound:	The A-weighted emission sound pressure load on the user's ears is less than 70 dB(A)
Cableguard:	Aluminum cableguard and cable channels
Handlebar:	Universal ergonomic handlebar
Saddle:	Ergonomic Selle Royal Drifter saddle
Wheels:	Front: Custom-designed cargo extreme rim Rear: Steel rims, single-sided suspension
Mudguard:	Front: Metal mudguard Rear: Integrated into the side caps of the cargo box
Tires:	Front: Heavy Duty Enduro tire Rear: Flat profile with a solid casing
Pedals:	Strong Union pedals
Cranks:	Black metal cranks
Front brake:	Heavy-duty hydraulic disc brake + parking brake and brake sensor
Rear brake:	Extreme heavy-duty hydraulic disc brakes + parking brake and brake sensor
Options:	Various options available, ask your dealer

WARRANTY

The Chariot comes with a limited warranty. The duration of the warranty depends on the specific components of the Chariot:

- Frame: Five (5) years from the date of purchase.
- Non-electric components: Two (2) years from the date of purchase.
- Electric components: One (1) year from the date of purchase.
- Wear and tear parts: Refer to section "6. Limitations and Exclusions" of the warranty policy.

Note: For the complete warranty terms and conditions, visit www.cargocycling.com/warranty

Warranty of the cargo bike is void if:

- The cargo bike has been used improperly or has been damaged in an accident.
- Parts are subject to normal wear and tear, such as chains, tires, cables, etc.
- The cargo bike has not been maintained according to the instructions described in this user manual.
- Repairs have been performed by unskilled individuals.
- The construction of the cargo bike has been modified.

Warranty of the battery may become void if:

- Shaking or dropping the battery.
- Opening the battery.
- Applying force or pressure to the battery.
- Storing the battery in excessively hot environments (above 45°C).

WARRANTY CERTIFICATE

Your purchase receipt serves as your warranty certificate, and you should keep it carefully for up to 5 years from the date of purchase. You can only claim warranty if you can present the purchase receipt. Only the first owner is eligible for warranty; it is not transferable.

- **Cargo bike Information:**

Brand and model:
Frame number:
Key number:
Date of purchase:

- **Battery Information:**

Battery 1:
Brand and model:
Serial number:
Key number:
Date of purchase:

Battery 2:
Brand and model:
Serial number:
Key number:
Date of purchase:

Battery 3:
Brand and model:
Serial number:
Key number:
Date of purchase:

Battery 4:
Brand and model:
Serial number:
Key number:
Date of purchase:

- **Your Information:**


Name:
Address:
Postal code and city:

- **Dealer Information:**

Name:
Address:
Postal code and city:
Phone number:

SERVICE AND MAINTENANCE

We require that service and maintenance be provided to the cargo bike during the period it is in use. The level of service and maintenance depends on the intensity of usage. In consultation with the service and maintenance providers recognized by Cargo Cycling, the desired maintenance frequency is determined and must be adhered to. If the service agreements are not followed, the warranty will be voided.

 *We strictly recommend to only use spare parts approved by Cargo Cycling for safety reasons. Using unapproved parts may void the warranty.*

If you have a digital manual and wish to have a printed manual, you can request one from us via info@cargocycling.com

Note: *Only parties approved by Cargo Cycling are allowed to perform a modification on this cargo bike.*

SERVICE AND MAINTENANCE SCHEDULE

Maintenance work	Interval
First maintenance check	After 200km or 2 months (what comes first)
Maintenance triggers	
Rider comments / feedback	Continuous
Category 3 G-shocks	Continuous
Steering system	
Headset check for play	First check, and every 6 months/ 10.000 km
Handlebar check for play	First check, and every 3 months/ 5.000 km
Handlebar components check for play	First check, and every 3 months/ 5.000 km
Steering dampers	First check, and every 3 months/ 5.000 km
Wheels/tyres	
Check tyre pressure	Daily - before every trip
Check tyre profile	Every month/ 1.500 km
Check spoke tension front wheel	First check, and every 3 months/ 5.000 km
Check wheels warped	Every month/ 1.500 km
Check wheel bearings	Every 6 months/ 10.000 km
Check reflection strips	Every month/ 1.500 km
Check wheel nuts	Every month/ 1.500 km

Maintenance work	Interval
Brakes	
Front brake	
Check brake pad	Every month/ 1.500 km
Check brake disc	Every 6 months/ 10.000 km
Check brake calliper for play	Every 6 months/ 10.000 km
Check brake hose	Every 6 months/ 10.000 km
Check brake lever for pressure	Daily - before every trip
Front parking brake	
Check cable for enough tension - brake power	First check, and every month/ 1.500 km
Rear brake	
Check brake pads	Every 3 months/ 5.000 km
Check brake discs	Every 12 months / 20.000 km
Check brake calliper for play	Every 6 months/ 10.000 km
Check brake hoses	Every 6 months/ 10.000 km
Check brake lever for pressure	Daily - before every trip
Check level of brake fluid	Every 3 months/ 5.000 km
Change brake fluid	Every 24 months/ 20.000 km
Rear parking brake	
Check cable for enough tension - brake power	First check, and every month/ 1.500 km
Suspension system	
Check front shock absorber	First check, and 3 month/ 5.000 km
Check bolts and nuts swing arm	First check, and 3 month/ 5.000 km
Rear suspension	Every 12 months/ 20.000 km
Drive system (non-electrical)	
Drive shaft - greasing	Every 12 months/ 20.000 km
Drive shaft play	Every 12 months/ 20.000 km
Electrical drive system	
Read out error codes Mando system	First check, and every month/ 1.500 km
Read out error codes AES Power Pack Plus batteries	First check, and every month/ 1.500 km
Read out error codes Heinzmann motors	First check, and every month/ 1.500 km
Mando ePedal assembly and cracks fixation check	First check, and 12 month/ 20.000 km

Maintenance work	Interval
Mando display and remote functional check	First check, and 12 month/ 20.000 km
Brake signal sensors - check functioning	First check, and 12 month/ 20.000 km
Heinzmann twin CargoPower motors fixation check	First check, and 12 month/ 20.000 km
AES battery check functioning of locks	First check, and 12 month/ 20.000 km
AES battery check for damage	First check, and 12 month/ 20.000 km
Check battery charger plug and battery plug	First check, and 12 month/ 20.000 km
AES Power Pack Plus batteries check battery gliders	First check, and 12 month/ 20.000 km
Lighting system	
Check functioning of all lights (incl indicator lights)	Daily - before every trip
Cargo compartment	
Check fixation of compartment to frame (6 x M8 bolts)	Every 6 months/ 10.000 km
Check functioning of doors, hinges, and locks	Every 6 months/ 10.000 km
Check for damages	Every 6 months/ 10.000 km
Frame parts	
Visual inspection for frame damage	Daily - before every trip
Front frame	Daily - before every trip
Middle frame	Daily - before every trip
Rear frame	Daily - before every trip
Check crown nut and safety bolt	Every 6 months/ 10.000 km
Check springs of tilting system	Every 6 months/ 10.000 km
General Safety and Functionality check	Every month/ 1.500 km

NOTES

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