

BLACK



IRON

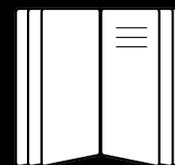


HORSE

IBEX

E-cargo bike

EN INSTRUCTION MANUAL



Congratulations on your new e-cargo bike

IBEX

Model Name and Color: **IBEX**

Vehicle Identification Number (VIN):

Purchase Date:

This bike has a history of almost 25 years and is Made in Denmark. We are very proud of it, and we hope that it will live up to your expectations.

We hope that you will have many great experiences and adventures with your new cargo bike. Please, before taking your new The IBEX in use, read all information on this manual, carefully.

Hopefully this manual will answer most of your questions, otherwise you are more than welcome to contact us or swing by our workshop.

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Intended Use

The IBEX electric cargo bike is designed and built for city use only; and, is suitable for roads with solid and flat surfaces, e.g. paved roads and bicycle paths. The IBEX electric cargo bike is not intended for off-road use.

The IBEX cargo bike is intended for the safe transportation of passengers up to 7 years of age. The bike comes with double and/or single child seats which are equipped with standard three-point seat-belts. It is possible to install extra seats for children or a baby seat upon need.

Risks attached to improper use of your cargo bike are explained in detail in their respective chapters.

For further information on load limits, please see section - **Technical Specifications**.

Riding a cargo bike from BLACK IRON HORSE is at your own risk.

BLACK IRON HORSE is not responsible for any use of the bike - only the driver can be responsible.

Read this manual before any use of the cargo bike.

Get Started

Congratulations on your new electric cargo bike from BLACK IRON HORSE! We are delighted that you've chosen to enter the world of environmentally friendly and practical transportation. To ensure your safety and the safety of others, as well as to make the most of your electric cargo bike, we kindly ask you to follow these guidelines for responsible usage.

First Time Using Your Cargo Bike:

By default, your bike comes fully assembled, with the battery fully charged and ready for use. The only thing to do before your first ride is to adjust the saddle according to the rider's height, please see section - **Saddle Adjustment**. Take a short test ride to ensure the saddle is comfortable and properly adjusted. If you experience discomfort, you can fine-tune the saddle as needed. Once your bike's saddle is correctly adjusted to your height, you are ready for your first ride. Always remember to wear appropriate protective gear and adhere to local traffic rules and safety recommendations for a safe and enjoyable ride.

Safety First:

- Always wear a helmet, and encourage all passengers to do the same.
- Ensure functional front and rear lights and reflectors on the bike, especially in low-light conditions.
- Before placing your child in the seat, ensure that the harness and straps of the child seat are in good condition and correctly adjusted.
- Securely fasten your child in the seat, ensuring the harness and straps fit snugly but comfortably. Ensure your child cannot slip out or wiggle free.

- Never let children stand alone in the cargo.

Be proactive, check the weather:

- Drive carefully in wet or slippery weather conditions, as braking distance may increase.
- Take wind into consideration, especially if the cargo bike is heavily loaded. Wind can affect your stability.

Safety Distance and Speed:

- Always maintain an appropriate safety distance from other vehicles and pedestrians.
- Drive at a moderate speed, especially in heavy traffic and areas with many pedestrians.
- Park your cargo bike in a safe and permitted location.

Cargo Bike Capacity:

- Do not overload your cargo bike. Follow our maximum weight capacity, please see section - **Technical Specifications**. Ensure that the load is securely fastened and balanced to avoid unexpected tilting.

Maintenance:

- Regularly inspect your cargo bike. Check brakes, tire pressure, and other vital components, please see section - **Adjustment and Maintenance of Components**.
- Do not step on the chain or front and rear fenders.

Parking:

- Park your cargo bike in a safe and permitted location.
- Use a bike lock to prevent theft, especially if you leave valuables in the cargo area.

Respect Traffic Rules:

- Follow all local traffic rules and signals.
- Ride in the correct direction on bike lanes and streets.

Be Considerate:

- Remember that you are riding a larger bike, so be extra attentive to other road users and show consideration.

Get to Know Your Cargo Bike:

- Practice maneuvering, braking, and handling the cargo bike in different situations before riding with a heavy load or in busy traffic.

By following these guidelines and using your cargo bike responsibly, you will be able to enjoy safe, fun, and efficient transportation while also contributing to environmental protection. Look forward to many great rides with your electric cargo bike.

Proper Battery and Charger Storage

To ensure that your electric cargo bike's battery and charger work optimally and remain in good condition, it is important to follow these guidelines for proper storage.

Battery Storage:

- **Initial Use:** When you receive your electric cargo bike, the battery is fully charged and ready for use.
- **Discharge Before Storage:** If you do not plan to use your electric cargo bike for an extended period (e.g., during winter), it is recommended to discharge the battery to approximately 70 % of its capacity. This helps prolong the battery's lifespan.
- **Storage Temperature:** The battery should be stored at a temperature between 0°C and 20°C (32°F to 68°F). Avoid storing the battery at extreme temperatures, as this can negatively impact its performance.
- **Protect from Direct Sunlight:** Avoid exposing the battery to direct sunlight for prolonged periods.
- Store the battery in a dry area to prevent corrosion and damage.

Charger Storage:

- **Dry Storage:** The charger should be stored in a dry place to prevent moisture and short-circuiting.
- **Protect Plugs and Cables:** Ensure that plugs and cables on the charger are protected from damage or bending during storage.
- **Avoid Strong Heat:** The charger should not be exposed to extreme heat, such as direct sunlight or heat sources.

- Use only the included charger designed for your battery to prevent damage.

Maintenance:

- **Regularly Charge the Battery:** If you store your electric cargo bike for an extended period, take it out and charge the battery at least every six months to maintain its capacity.
- **Check the Charger:** Before using the charger after extended storage, ensure it is functioning correctly and free of any signs of damage.

Diagrams



- 1 Cargo Box
- 2 Double Children Seat
- 3 Battery
- 4 Handlebars
- 5 Stem
- 6 Lock
- 7 Rear Brake
- 8 Seatpost
- 9 Playmate Seat (Optional)
- 10 Climbing Step
- 11 Front lights
- 12 Front Mudguards
- 13 Front Wheels
- 14 Rear Mudguard
- 15 Rear Wheel
- 16 Rear light
- 17 Driving Unit
- 18 Chain Guard



- 1 Rear Brake Lever
- 2 Left Switch
- 3 Cycle Display
- 4 Right Switch
- 5 Front Brake Lever (Parking-Brake)



- 1 Saddle
- 2 Seat Post
- 3 Quick Release (for Seat Post)



- 1 Front Brake
- 2 Gear Hub
- 3 Suspension
- 4 Steering Damper
- 5 Steering Lever

Riding the IBEX

-  **WARNING:** Bike can tilt when driven.
-  **WARNING:** Always observe traffic rules.
-  **WARNING:** While biking, always wear a helmet.
-  **WARNING:** DO NOT step on the chain.
-  **WARNING:** DO NOT step on the front or the rear mudguards.

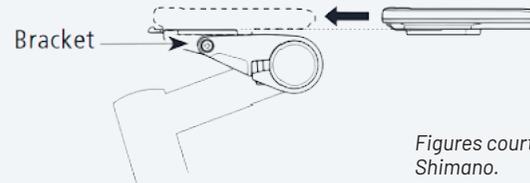
As default, your bike comes fully assembled and ready to bike.

Please Note: that the battery may need to be charged. The only required action before the first ride is to adjust the saddle according to the rider's height, please see under section - **Saddle Adjustment.**

Cycle Display Installation and Removal

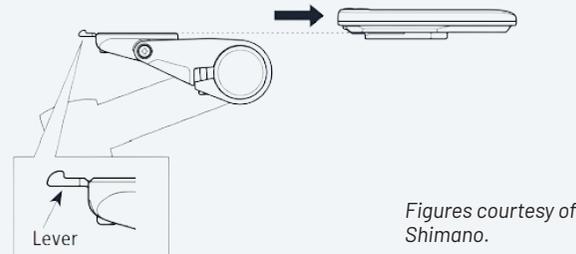
For the installation and removal of the cycle display, follow the instructions as shown below.

Installation



Slide the cycle display onto the bracket until you hear it say click.

Removal



Push the lever downwards and slide the cycle display outwards.

Please Note: If the cycle display is not installed correctly, the assist function will not function correctly.

Turning the system ON/OFF

Turning the system ON/OFF, both via left switch and battery, is explained below.

Please Note: Make sure that the battery is correctly mounted on the battery holder.

Please Note: Do not step on the pedals while pressing the **[POWER]** button as there are torque sensors on the pedals. Therefore, the system will not start.

Via Left Switch



ON Press the **[POWER]** button

OFF Press the **[POWER]** button

Via Battery



ON Press the **[POWER]** button on the battery. The LED lamps will light up indicating remaining battery capacity.

OFF Hold down the **[POWER]** button for 6 seconds.

Please Note: Power is automatically OFF after 10 minutes standstill.

Basic Operation

Basic operation of your bike is controlled by the left and right switches.



Figures courtesy of Shimano.

Changing Gear

Button **[X]** on the right switch increases the gear (pedal resistance increases).

Button **[Y]** on the right switch decreases the gear (pedal resistance decreases).

Button **[A]** on the right switch switches between automatic and manual gear shifting (for electronic internal geared hub - if enabled).

Please Note: The gear automatically switches to **[1]** (lowest resistance) at stop.

Changing Assist-Mode

Button **[X]** on the left switch increases assistance.

Button **[Y]** on the left switch decreases assistance.

Button **[A]** on the left changes the travel data display on the cycle display.

Please Note: These buttons function as described only during riding.

Turning the lights on/off

Both front and rear lights are turned ON and OFF by pressing the **[LIGHT]** button on the cycle display.

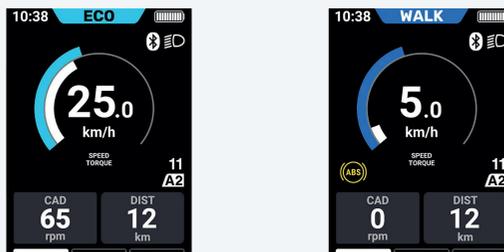
Please Note: The cycle display remembers the last "light" setting before it is powered OFF, i.e. the lights are on upon powering up the system, if they were on before the system was turned off the last time.

Walk Assist-mode

The WALK-ASSIST function allows the bike to move forward in a walk-pace and operates at a maximum of 6 km/h. The assist level and speed are adjusted (during electronic gear shifting), the assist level by the gear position.

Please Note: It is not possible to switch to **[WALK]** mode, if, e.g. the current speed is more than 0 km/h or there is pressure on the pedals. In this case, the cycle display will give a warning tone.

Press and hold Button **[Y]** on the left switch about 2 seconds, until **[WALK]** is displayed on the screen. Press and hold the **[Y]** button on the left switch so that the bike starts moving. Press **[Y]** on the left switch once to cancel **[WALK]** mode.



Figures courtesy of Shimano.

If button **[Y]** on the left switch is not pressed for at least one minute, the system will restart in the mode that was set prior to setting **[WALK]** mode.

Brakes

As a default, there are two hand-operated hydraulic brakes on the IBEX electric cargo bike. Brake levers are placed on both ends of the handlebar.

The brake lever located on the LEFT side controls the FRONT brake. The brake lever located on the RIGHT side controls the REAR brake.

Please Note: Avoid hard brakes particularly at high speeds as your bike has a rather high momentum due to its mass.

Please Note: Underloaded conditions, the brakes may show different characteristics (reduced efficiency). The same may also be observed on steep roads and/or bends.

Park-Brake

Park-Brake is engaged by pushing the black lever down on the left side, and then pressing the rear brake (left brake).

Park-Brake is disengaged by pushing the small red lever to black lever and fold both levers together to release the park-brake.

Park-Brake is only for short term use.

Loading

The IBEX electric cargo bike is designed to carry two children up to 7 years of age. Under cycling, the children MUST always be secured with the seat-belts that are, in default, assembled on the children-seats, see under section - **Children seats.**

Please Note: Never exceed maximum load capacity. For further information please see under section - **Technical Specifications.**

Please Note: An unfavorable weight distribution can have a negative impact on braking behavior and driving stability.

Front Wheel Steering and Suspension

The IBEX, differentiates from the remaining electric cargo bikes from Black Iron Horse, due to its front wheel steering and suspensions. These components are designed to ensure stable and comfortable handling for the rider and passengers, when riding the bike.

Front wheel steering is the method by which the front wheels of the electric cargobike, are turned to control its direction. When you turn the handlebar in one direction it causes the front wheels to turn the same direction, allowing you to navigate the vehicle.

There are four spring suspensions located under the cargo box, and they are designed to absorb shocks and vibrations from the road, and improve the rider's comfort and control. This helps provide a smoother and more comfortable ride for the driver and passengers. The spring suspension absorbs shocks and vibrations improving both rider and passenger comfort and control.

The combination of the front wheel steering and spring suspension ensure a smooth and controlled riding experience, especially when transporting heavy loads.

The IBEX

General

The IBEX electric cargo bike is where sustainability, quality and smart design meet. We strive to produce the best cargo bikes on the market without compromising aesthetics. We go the extra mile to create simple functional designs that require minimal maintenance. With a bike from BLACK IRON HORSE getting around is going to be a pleasure for both you and the environment.

Technical Specifications

The IBEX electric cargo bikes are not subject to any vibrations caused by its electric motor (the electric motor is in conformity with the requirements of Machinery Directive (2006/42/ EC))

Technical specifications of the IBEX electric cargo bike are summarized in table to the right.

Technical Specification table

Drive	Rear-wheel drive and front-wheel steering
Length	190cm
Width	92cm
Weight	55kg
Max. user weight	110kg
Cargo box, max load	110kg
Bench, max load	70kg
Wheel size	Front 16" - Rear 20"
Max. Speed	25km/hr, Max. speed at which the electric motor cuts off
Electric motor	85nm, Shimano EP6, centermotor
Battery	BT-EN605
Gears	5-speed, Shimano Nexus 5-speed
Brakes	Disc, Tektro, Hydraulic Disc Brakes (Rear Disc Shimano)
Front lights	Axa
Rear Light	Busch & Müller

Components and subsystems

The IBEX electric cargo bike is made of several components and subsystems. Some basic information on these are given in the following chapters of this document.

Battery

When the IBEX electric cargo bike is delivered, the battery is fully charged and does not require any initial charging.

The range of the battery is dependent on several factors, such as the cyclist, selected electric engine support level, load, condition of the battery, environmental conditions, etc. Remaining battery level can be displayed on the cycle display, see under section - **Basic Status Display** or by pressing the **[POWER]** button on the battery, for more information, please visit Shimano's website, see link under section - **Links & Contact**.

The battery can be used when the green LED on it lights up. Time required to fully charge a battery depends on the remaining battery capacity. For more info, check the "Battery user manual" provided together with your battery.

Charging can be performed regardless of the remaining battery capacity. Once it is fully charged, remove the battery from the charger as soon as possible.

If battery capacity is fully consumed, charge it as soon as possible. Otherwise, the battery will deteriorate. Furthermore, if the bike will not be

used for an extended period of time, store the battery separately and with approximately 70% capacity remaining. Charge the battery every six months to avoid it from being empty.

Please note that the battery may need more frequent charging in the winter months, as cold weather affects battery performance, adversely. Furthermore, make sure to remove your battery, when you know it might be exposed to temperatures below freezing point for longer periods of time.

WARNING: Use the battery and charger combination as provided with your purchase.

WARNING: Follow the charging conditions specified in this document. Not doing so may cause overheating, bursting, or ignition of the battery.

WARNING: Batteries may not be recharged at temperatures below 0°C.

WARNING: Handle the battery with great care.

WARNING: Keep the battery away from children.

WARNING: Under charging, never leave the battery unattended.

WARNING: Keep the battery away from hot places.

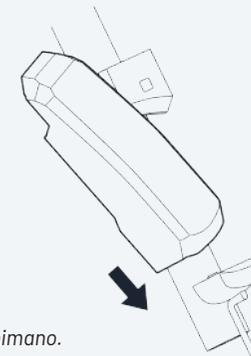
WARNING: Do not take it apart or hit, pierce or submerge it.

WARNING: Do not use a damaged battery.

WARNING: Dispose the batteries at designated places that can be found in your local recycling stations.

Installing the battery to the battery mount:

1. Insert the key in the keyhole.
2. Insert the battery by tilting it approximately 30° (to align the indentation in its bottom with the protrusion on the battery mount).

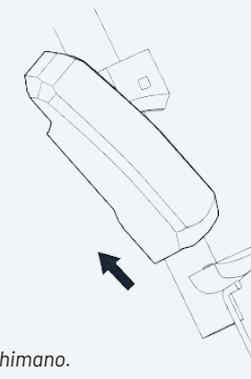


Figures courtesy of Shimano.

Removing the battery from the battery mount:

Please Note: The battery can be removed only when the key is in UNLOCKED position.

1. Turn off the power,
2. Insert the key in the keyhole in the battery mount,
3. Turn the key counter-clockwise until it is no longer possible,
4. Remove the battery carefully, by sliding it.



Figures courtesy of Shimano.

Please Note: For more information, please visit Shimano's website, see link under section - **Links & Contact.**

Charger

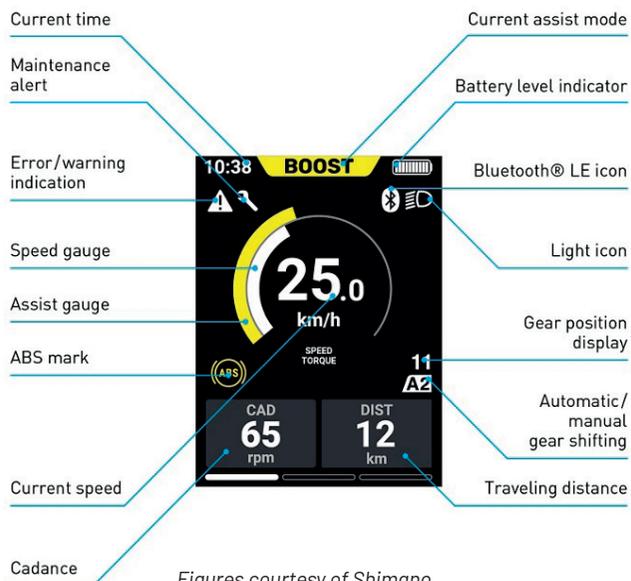
Your charger is a Shimano EC-E6000-2A. Avoid using any other charger as it would harm the battery.

Please Note: For further information, please visit the Shimano website, see link under section - **Links & Contact.**

Cycle Display

Please Note: For further information regarding the Shimano SC-EN610 bicycle display, please visit Shimano's website, see link under section - **Links & Contact.**

Cycle-display



Accessories

Lights

The IBEX electric cargo bike has two white front lights that are located in front of the cargo box; and, one rear red light that is located on top of the rear wheel, as default. How to turn ON/OFF the lights is explained under section - **Basic Operation.** Both front and rear lights are approved by the Danish Authorities.

WARNING: It is dangerous and may lead to accidents, to bike in the dark without the lights on! Note also that this action is prohibited by law in some countries.

Please Note: that the lights will remain ON for approximately 2 hours after the battery stops supporting the motor. In this case, please charge the battery as soon as possible.

Children seats

By default, the IBEX electric cargo bike's cargo box is equipped with a two children seat with two separate three-point seat-belts.

Playmate seat

Playmate seats are add-on, optional parts that allow a third child to be seated in the cargo box. These seats can be purchased separately.

Baby-seat

Baby seats are add-on, optional parts that allow the transportation of babies and toddlers up to 18 months. Two different types of baby-seats (0 - 9 months and 7 - 18 months) can be purchased separately.

Bell

The bell is placed on the left side of the handlebar and using the bell is a convenient way of avoiding any possible accidents. The IBEX electric cargo bike, though its electric motor is rather silent, may reach up to high speeds. Therefore, it may be hard for e.g. pedestrians, cyclists, to notice you and judge your speed. In order to avoid any accidents, please always ride carefully, responsibly and when necessary use the bell.

Child-step

There are two child-steps located on the electric cargo bike (marked with red). They are placed on each side of the front of the frame, and are designed to help smaller children climb on the cargo box by themselves and are safe to step on.



Initial Adjustments and Maintenance

Please Note: The stem and the handlebars are not adjustable.

Saddle Adjustment

To adjust the height of the saddle, loosen the “quick release handle”, as shown in the illustration below. Then move the saddle-post up or down, and tighten the handle again. Ensure that the handle is tightened sufficiently, so the saddle does not move while riding the bike.



Please Note: That, when tightened, there is approximately 2 mm distance between the quick release handle and the locking mechanism’s outer surface (see the figure to the right).

Please Note: The “Minimum insertion depth mark” on the seat-post. Seat-post shall be inserted into the frame at least until that mark.



Seat-post



minimum insertion depth

For installation of the saddle on the seat-post, place the two metal bars under the saddle (see figure below, to the left) in between the slots that are on the seat-post (see figure below, to the left). After adjusting the precise placement of the saddle by sliding it through the seat-post slots, tighten both screws with max 20Nm.

Please Note: Vertical axis of the connection point between the saddle and the seat-post may not cross the “MAX” line on the saddle-connection bars.



Maintenance

As with all mechanical components, The IBEX electric cargo bike components are subjected to high stress and wear. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life of the components has been reached and it should be replaced.

WARNING: Before any maintenance activities, turn off all the system and remove the battery.

Please Note: Maintenance and repair of your bike require specific skills and tools. Therefore, please do not change any settings or perform any maintenance/repair on your bike, unless you have the necessary tools and skills for the required action. Instead, consider contacting your dealer.

Before every ride check that:

- The batteries are charged.
- The tires are pressurized enough.
- The brakes function correctly.
- There are any loose spokes.

Check monthly:

- If the connectors and wiring are still intact.
- If the chain and the gear wheels are free for any kind of dirt and still lubricated otherwise lubricate as explained under section - **Chain and Gear Wheel.**
- The brake and chain cable adjustment.
- The chain tightness and the chain tension adjustment.
- Tire wear and pressure.
- Wheels for eccentricity and missing, loose spokes.
- If headset, hub, crank bearings and the pedals are tight.
- If handlebars and seat are adjusted correctly.

Check every six months:

- Each step as given under section- **check monthly.**
- Brake pads and replace when necessary.
- Chain for excess looseness and wear.

Please Note: While replacing safety-related components, use only genuine parts.

Tires

Check tire pressures regularly and pump, when necessary. Correct tire pressure range as stated by the original equipment manager can be found on the side-walls of the tires.

Check if the tires are worn down, i.e. control the tread depths. In case of any anomalies, consider replacing these components, as soon as possible.

Chain and gear wheel

Chain and gear wheels move on each other and wear down. However, in cases where these parts are not lubricated appropriately, it is likely to face premature wear. Therefore, lubricate your bike's gear wheels and chain, regularly. For this purpose, use appropriate lubricants. However, note that excessive amounts of lubricants would also cause dirt build-up and accelerate the wear-process.

Furthermore, check the chain tightness and ensure it is adjusted correctly. If the tension is too weak, the chain should be tightened. If this is not done, the chain may break and cause serious injuries. For the correct adjustment of the chain tightness, contact your dealer.

Brakes

 **WARNING:** Ensure that you can reach the brake levers and familiarize yourself with which lever operates which (front or rear) brake.

Front and rear brakes are hydraulic disc brakes. Hydraulic disk brakes should only be adjusted by a trained personnel. Therefore, in cases where a malfunction of the front and/or rear brakes is observed, contact your dealer.

Instructions on how to replace the Tektro hydraulic brake brake pads can be found on:

https://www.youtube.com/watch?v=YHhKDNhZE_pE&feature=youtu.be&list=PLo_I1469gkLJ21Ray-6BLIbpRWF9Af8uZF

 **WARNING:** Risk of hydraulic oil leak.

Please Note: Do not let brake discs or calipers come into contact with lubricants, oils or similar substances. If contaminated, the braking performance may be severely impaired. In this case, replace brake pads and clean the discs with a suitable cleaning product.

Check both front and rear brakes prior to each ride and make sure that they are functioning properly.

Please Note: Do not ride your bike, if the brakes are not functioning properly.

Please Note: In wet weather, there is a risk that the braking distance increases.

Cleaning

The best way to clean your cargo bike is to use a piece of moist soft cloth and water with a bit of detergent added, e.g. bicycle shampoo or similar.

 **WARNING:** Before any cleaning action, turn off all the systems and remove the battery pack.

 **WARNING:** Do not use corrosive and abrasive chemicals/materials for cleaning.

 **WARNING:** Do not use pressurized water or water jet cleaning.

 **WARNING:** Make sure that no water penetrates into the electric engine as this may cause damage!

Power System Troubleshooting

For further information please visit Shimano's website, see link under section - **Links & Contact**.

Spare Parts

In order to ensure longer life of the IBEX electric cargo bike; and, to avoid undesired failures and/or accidents, always use genuine spare parts. These parts can be purchased from the OEMs, local shops and at our webpage at:

WEBSITE: www.blackironhorse.com
EMAIL: service@blackironhorse.com

Warranty and Obligations

Extending from the day of purchase of The IBEX electric cargo bike, a 24-month limited warranty is also included. Warranty covers manufacturing defects in materials or workmanship on the frame, battery, cycle computer and its components, and motor.

Warranty does **NOT** cover normal wear and tear; damage or failure due to any accident; misuse or neglect; improper maintenance/service follow-up; use of incompatible parts, installation of and/or damage caused by add-on components that are out of the scope of delivery at the time the product was purchased.

Warranty is offered only to the original owner, and is not transferable. This warranty is valid only for bikes that are purchased through an authorized dealer or distributor.

This warranty is void in its entirety by any modification of the frame, fork, or components. Please note that lack of maintenance/service may also void the warranty.

BLACK IRON HORSE may not be kept responsible for any accidents and/or damages caused by the use of this electric cargo bike.

In case of any warranty claim, file the claim together with a proof of purchase. For claims made outside Denmark, additional fees or restrictions may apply.

Disposal

At BLACK IRON HORSE, we strive to keep the adverse impact of our products on the environment at the possible minimum. For this reason, we choose the components that are used on our bicycles diligently. Furthermore, cargo boxes of our bicycles are made of **recycled plastic**; and, therefore, we encourage you to dispose the cargo box, again, at a recycle-station, so that it can be recycled again..

Please do not dispose of electronic and electrical components of your electric cargo bike as ordinary household waste. This is harmful for the environment and might be prohibited by law.

Ensure that all electronic and electrical components are disposed of at designated locations or via a dealer. For more information, consider contacting local authorities.

EC DECLARATION of CONFORMITY

This declaration of conformity is issued under the sole responsibility of
BLACK IRON HORSE ApS - Skøjtevej 11
DK-2770 Kastrup, Denmark

to declare that the product electric-cargo bike model
"IBEX"
complies with the provisions of the following European Directives:

2006/42/EF - Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC

2001/95/EF - Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001 on general product safety (Text with EEA relevance)

2014/30/EU - Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility

2014/35/EU - Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits

2011/65/EU - Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment Text with EEA relevance

The product is in conformity with the standard **EN15194:2017**.

2022-01-04
Copenhagen, Denmark

*Signed by Jesper Lindahl-Berg, Director
for the manufacturer BLACK IRON HORSE*

Service Dates and Notes

1st service is mandatory for upholding any warranty - save copy of invoice and proof of payment, including date and service content.

Service 1: After 250 km (or 3 months).

Connectors and wiring for the electronic and electrical components	<input type="checkbox"/>
Cleaning and lubrication of the chain and the gear wheels	<input type="checkbox"/>
Brake adjustment	<input type="checkbox"/>
Adjustment of chain cable, chain tightness and the chain derailleur	<input type="checkbox"/>
Control of chain for excess looseness and wear	<input type="checkbox"/>
Check of tire wear and pressure	<input type="checkbox"/>
Check of wheels for eccentricity and missing, loose spokes	<input type="checkbox"/>
Check of headset, hub, crank bearings and the pedals tight	<input type="checkbox"/>
Handlebar and seat adjustments	<input type="checkbox"/>
Control of brake pads	<input type="checkbox"/>

Date:
Service by:
Stamp:

Service 2: After 1.250 km (or 1 year).

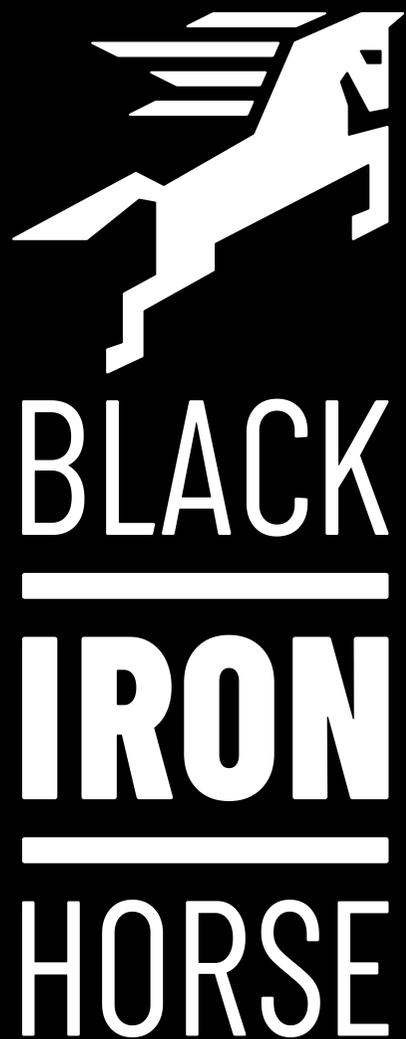
Connectors and wiring for the electronic and electrical components	<input type="checkbox"/>
Cleaning and lubrication of the chain and the gear wheels	<input type="checkbox"/>
Brake adjustment	<input type="checkbox"/>
Adjustment of chain cable, chain tightness and the chain derailleur	<input type="checkbox"/>
Control of chain for excess looseness and wear	<input type="checkbox"/>
Check of tire wear and pressure	<input type="checkbox"/>
Check of wheels for eccentricity and missing, loose spokes	<input type="checkbox"/>
Check of headset, hub, crank bearings and the pedals tight	<input type="checkbox"/>
Handlebar and seat adjustments	<input type="checkbox"/>
Control of brake pads	<input type="checkbox"/>

Date:
Service by:
Stamp:

Service 3: After every 1.250 kms / At least once a year

Connectors and wiring for the electronic and electrical components	<input type="checkbox"/>
Cleaning and lubrication of the chain and the gear wheels	<input type="checkbox"/>
Brake adjustment	<input type="checkbox"/>
Adjustment of chain cable, chain tightness and the chain derailleur	<input type="checkbox"/>
Control of chain for excess looseness and wear	<input type="checkbox"/>
Check of tire wear and pressure	<input type="checkbox"/>
Check of wheels for eccentricity and missing, loose spokes	<input type="checkbox"/>
Check of headset, hub, crank bearings and the pedals tight	<input type="checkbox"/>
Handlebar and seat adjustments	<input type="checkbox"/>
Control of brake pads	<input type="checkbox"/>

Date:
Service by:
Stamp:



LINKS

 www.blackironhorse.com

 [Blackironhorse1996](https://www.instagram.com/Blackironhorse1996)

 [BLACK IRON HORSE](https://www.facebook.com/BLACKIRONHORSE)

 www.shimano.com

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