



JOHANSSON

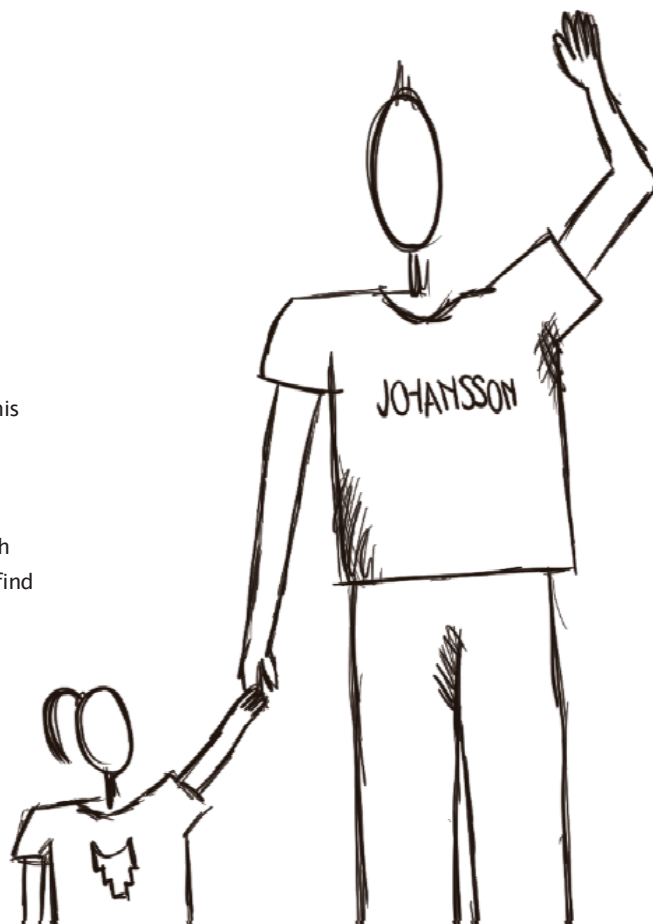
Operating instructions – model FINJA

YOUR FAITHFUL COMPANION: FINJA

Hej. It's great that you have chosen an e-bike from Johansson. In this manual you will find all the information you need to operate and maintain your Johansson bike.

If you have any questions about your bike and its compatibility with Johansson superstructures, we will be happy to help you. You will find the contact information on the back of these instructions.

We wish you a safe journey at all times and lots of fun with your new companion!



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STABLE, FLEXIBLE AND SAFE

Your Johansson model

The affordable entry into the world of cargo bikes without compromises. Equipped with a high-quality mid-mounted motor and hydraulic braking technology, FINJA is your daily companion. Different superstructures allow a wide variety of uses. The classic transport bike offers stability and safety on three wheels.

Congratulations on finding the perfect bike for you.

The Johansson superstructures

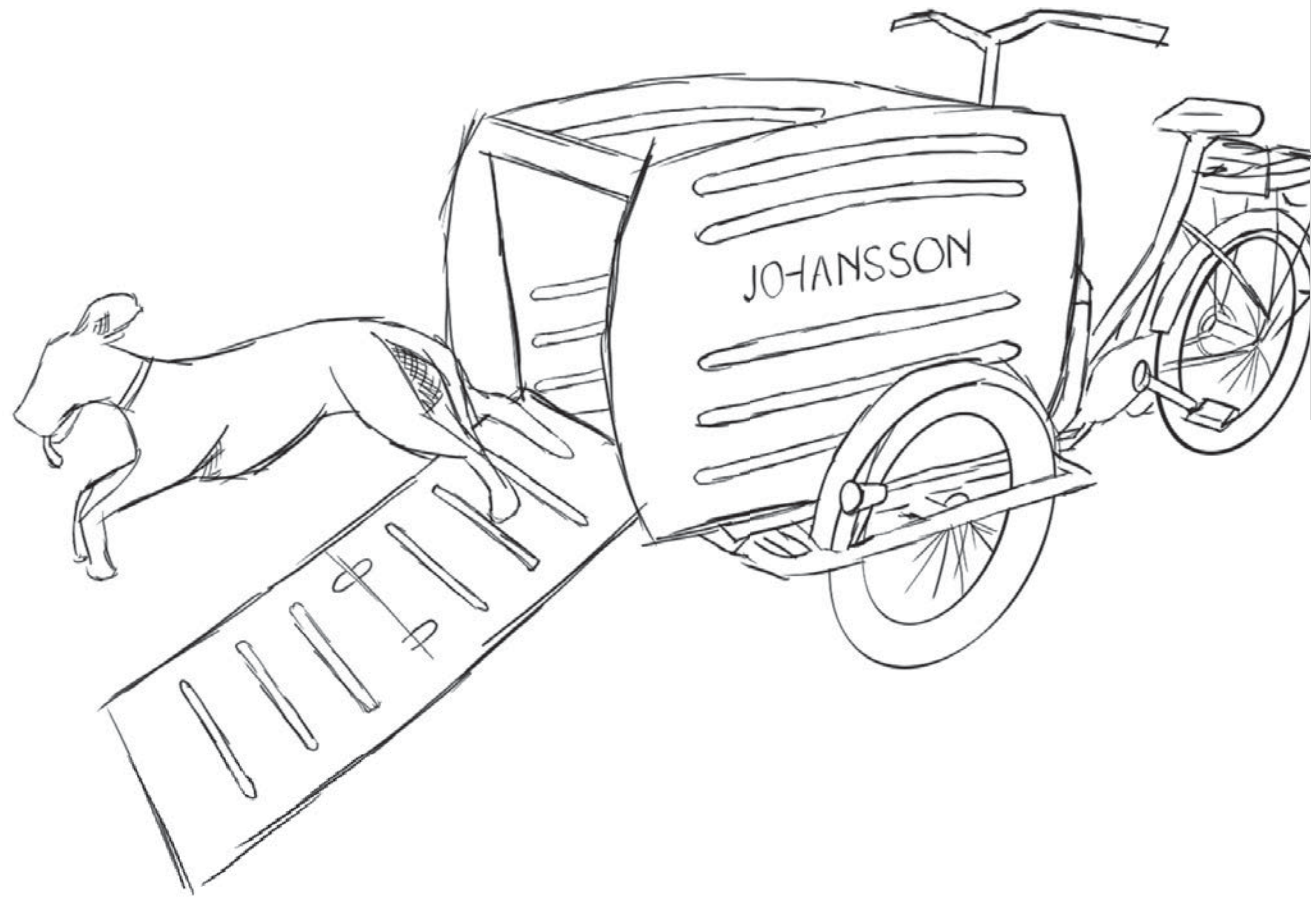
There are separate video instructions for the various Johansson superstructures as well as wooden boxes and platforms and their compatibility. You can find these in our download area.



Johansson download area

Scan this QR code or visit the following web address:

johansson-bikes.com/downloads



General information

Use protective equipment

Always wear a suitable bicycle helmet and sturdy shoes. Clothing with reflectors is best to be noticed by other road users.

Never ride in pairs

Always ride alone with your Johansson bike. Except, of course, for children or dogs that you take with you in your transport box. Always make sure that your passengers are not in danger during the ride and are adequately secured.

Lighting

In poor visibility or in the dark, it is essential that you use the lighting equipment and adjust it correctly. More information on lighting on p. 28.

No tampering the bike

Do not modify the frame, otherwise serious accidents and falls may occur. If parts are worn or broken, replace them only with Johansson original spare parts, as only these are compatible with the bike.

Follow the cleaning and care instructions

To prevent damage to the bike, treat it in accordance with the instructions on p. 32 and follow the recommended cleaning methods.

Observe the intended use

Adhere to the intended use described on page 9, as otherwise accidents may occur and your warranty and guarantee claims will be invalid.

Safety advice

Read the operating instructions carefully before using the device for the first time. This is the only way to become completely familiar with your bike and avoid operating errors and serious accidents.

For your safety and that of other road users, it is important to observe the necessary safety instructions. When reading the operating instructions, pay attention to the following symbols which mark information on hazard prevention.

**Warning:**

A dangerous situation that can lead to serious injury and/or severe damage to the product if not observed.

**Note:**

Important tips to help you familiarize yourself with the technology of your bike and serve as a guide to safe handling of your bike.

Important safety instructions

- Never use the charger to charge other devices
- Do not use any other charger to charge the battery
- The charger must not be used by children or physically or mentally impaired persons
- Never immerse the charger in water or liquid
- Never touch or operate the contacts and main plug with wet hands
- Regularly remove dust or moisture from the main plug
- Never dismantle or tamper with the charger
- Only use the charger with the cable fully unwound
- Do not use the charger near flammable material
- Never cover the charger
- Do not expose the battery to shocks
- Pull the brake when stopping and place both feet on the ground

**Warning:**

Make sure you follow these important safety instructions. Failure to do so can result in serious injury or even death.

Intended use

No liability or warranty is assumed if the use of the bike goes beyond proper use, if important safety instructions are not adhered to if the bike is overloaded or if defects are not eliminated. No liability is accepted for installation errors or errors caused by non-compliance with the care and maintenance instructions. Changing the gear ratio and making changes to the electrical system will invalidate all warranty and guarantee claims.

Your Johansson bike is only optimized for use on roads and paved paths. Therefore, do not perform any jumps or similar with your bike.

Conditions for care and maintenance are part of the intended use.

**Warning:**

Always adhere to the total weight of your model as stated in the data sheet. Overloading your bike excludes it from being used as intended.

**Warning:**

The e-bike is delivered pre-assembled. For this reason, it is essential that you check all adjustable components as described in chapter 'Operation' to suit your needs. Familiarize yourself with your bike by carrying out the steps on p. 10 before your first ride.

Legal information

If you want to ride your bike on public roads, it must be equipped in accordance with the applicable national requirements.

You can find the applicable regulations here:

For Germany:

Road Traffic Licensing Regulations (StVZO) and Road Traffic Act (StVO)

For Austria:

146. Ordinance (Bicycle Ordinance) in the Austrian Federal Law Gazette

For Switzerland:

Regulations on the technical requirements for road vehicles in Articles 213 to 218



Warning:

E-bikes are considered motorcycles. They should therefore not be driven by persons with sensory and/or mental impairments or who are taking medication that precludes them from driving.



Warning:

In Germany, the maximum alcohol level when riding an e-bike is 0.5 per mille.



Note:

If you are using the device in a country that is not listed here, ask your specialist dealer in advance about any special particularities.

Warranty conditions

Johansson guarantees that all bikes comply with European safety regulations and quality standards. However, should defects occur during the following warranty periods, please contact your Johansson dealer.

- **2-year** warranty on frame and fork (wear parts excluded)
- **2-year** guarantee on the paint
- **1 year** warranty on all other Johansson original parts
- Original components from other manufacturers are covered by their warranty conditions.

The warranty can be claimed by presenting the original proof of purchase. Defects will then be repaired by the Johansson dealer.

The warranty claim expires under the following conditions:

- Tampering with the construction or the battery / e-bike system
- Insufficient maintenance or servicing by unqualified specialist dealers
- Non-compliance with the intended use
- If defects have arisen due to normal wear and tear
- Continued use despite damage or defects already identified
- Misuse or accident

Before the first trip

**Warning:**

When assist mode is switched on, the bike starts immediately when you put your foot on the pedal. So pull the brake first when getting on, otherwise the thrust can lead to falls and thus to injuries and damage.

Make all the necessary settings to adjust the bike to your needs and put it into operation.

To familiarize yourself with your bike, start by riding on roads with little traffic and try out the various support settings. Pay attention to how your bike behaves in different situations and how you handle the functions and settings.

If you are planning a longer tour, test the range and settings under different conditions beforehand. The first 150 kilometers with your bike are considered the familiarization phase in order to develop a solid understanding of the riding characteristics.

Braking:

Check the brakes and get used to the braking performance of your new Johansson bike. (More about brakes on p. 18)

Shift mechanism:

Familiarize yourself with the new gears on a road with no traffic. (More on switching on p. 20)

Seating position:

Adjust the seat position yourself or with the help of your specialist dealer. (More on seating position on p. 14)

Before every trip

Security check:

Check all screw connections and the secure fit of all quick-releases and thru axles. This applies both when starting from home and when you have parked your bike and left it unattended.

Wheels:

Check the air pressure and condition of the wheels.

Lighting system:

Check that the front and rear lights are working and are adjusted correctly.

Total weight:

Make sure that the permissible total weight is not exceeded.



Warning:

In the event of an accident, have the bike checked for damage by your specialist dealer. Only then is safe driving guaranteed again.



Warning:

Make sure you never overload your bike and stick to the permissible total weight of the respective model. Overloading can lead to accidents and any resulting damage will invalidate the warranty.



Note:

Your bike can be used in a temperature range from -5 °C to 40 °C.

Saddle

Adjusting the saddle tilt

**Note:**

A horizontal saddle position is ideal for correct pedaling and a safe riding position where you don't slip or put weight on the handlebars by leaning forward.

The seat post has a screw for precise adjustment of the saddle angle. Loosen the screw (1) with a few turns. Now slide the saddle forwards or backwards as required. Make sure that the saddle is in a horizontal position and retighten the locking screw.

The saddle should then no longer move and remain firmly in the set horizontal position.



Adjusting the saddle tilt



Adjusting the saddle height

Adjusting the saddle height

**Note:**

Correct adjustment of the saddle height is important for comfort and maximum efficiency. When pedaling, it should not be possible to fully extend the leg at the lowest point.

Open the quick release of the seat post on the seat post clamp (2) so that the seat post is loose and you can adjust the height. Observe the following steps when setting the height:

1. Adjustment using the heel method:

Sit on the saddle and crank until the pedal is at its lowest point on one side. Now place your heel on the pedal, your knee should be pressed through.

If the knee is still bent, the saddle is too low. If the pedal is not reached, the saddle is too high.

2. The seat post must always remain in the seat tube, do not pull it out too far.

3. When you have finished the adjustment, close the quick release completely by pushing it towards the seat post. If the quick-release can no longer be closed or if it is too loose so that the seat post does not stay in position, the clamping force of the quick-release must be adjusted:

To tighten the clamp, turn the screw opposite the lever on the quick release a few turns clockwise. To loosen the clamp, turn the screw opposite the lever on the quick release a few turns counterclockwise.

Handlebar

Adjusting the handlebar stem

You can adjust the position and the handlebar stem according to your preferences for maximum riding comfort.

This is how you adjust the angle of the stem:

1. Loosen the stem screw (3) by turning it counterclockwise.
2. Adjust the position of the stem to the center.
3. To tighten the screw (3), turn it clockwise.



Instructions for adjusting the handlebar height

Scan this QR code or visit the following web address:

<https://johansson-bikes.com/downloads/>



Adjusting the handlebar stem



Adjusting the handlebars

Adjusting the handlebars

This is how you adjust the tilt of the handlebars:

1. Loosen the visible screw (4) of the handlebar clamp with a few turns.
2. Adjust the handlebars so that your wrists are relaxed and not twisted too much. Make sure that the handlebars are clamped exactly in the middle of the stem, using the markings on the handlebars as a guide.
3. Then tighten all screws (4) again in a clockwise direction.

**Warning:**

After changing the inclination, also check the position of the Brose display. Set it up so that it is always clearly visible and easy to operate.

**Warning:**

After this adjustment, pay attention to the angle of the brake lever. If the brake lever is positioned incorrectly, it can lead to reduced braking performance due to the greater force required.

**Warning:**

After changing the inclination, check that all cables on the handlebars are long enough. All movements must function smoothly and without restrictions.

Brake system

The disc brakes ensure optimum braking performance both when unloaded and loaded. First familiarize yourself carefully with your brakes and how braking affects you and your bike. Practice emergency braking on an untraveled street until you feel confident using the brakes.

**Warning:**

Braking hard on sandy, loose or wet surfaces increases the braking distance, so be particularly careful in such situations.

**Warning:**

Only use approved brake pads when replacing the brake pads. Ask your specialist dealer for advice.

New brake pads must be braked in to deliver optimum performance. To do this, brake as hard as possible about 20 times at around 25 km/h until you come to a complete stop. The braking in is complete when the manual force required for the best possible braking performance does not decrease any further.



When applied, you can lock the brakes using the locking lever (5) to park the bike.

Important information about the brakes

**Warning:**

Worn brake pads must always be replaced by a specialist dealer.

**Warning:**

Check the brake system for leaks and any bends in the cables before every ride.

**Warning:**

The front brake is actuated with the left brake lever, the rear brake with the right brake lever. Overbraking the front wheel can lead to a fall.

**Warning:**

Oil or cleaning fluids can significantly impair the braking effect. When lubricating the chain and cleaning your bike, make sure that the brake pads do not get wet. Oily brake pads must be replaced. You can clean the brake disks with brake cleaner.

Shift mechanism

Your Johansson bike is fitted with derailleur gears.

You can find the detailed instructions from the manufacturers for the respective circuits in our download area under the link below. Read these carefully and familiarize yourself with your circuit.



Shimano (derailleur gears)



Johansson download area

Scan this QR code or visit the following web address: **Johansson-bikes.com/downloads**

Chain

Chain care

The chain is a wearing part but should still be maintained. Lubricate your chain regularly, especially after riding in the rain.

Clean your chain from time to time with a dry cloth.

Apply a suitable lubricant to the chain links regularly.

Chain tension

Check the chain tension regularly.

Replacing the chain

If necessary, only have a new, suitable chain fitted by your specialist dealer.



Warning:

If the chain is not fitted or tensioned correctly, it can jump out or break, leading to accidents.

Wheels

Due to the heavy load on the wheels, they must be checked regularly for broken and/or loose spokes.

Air pressure

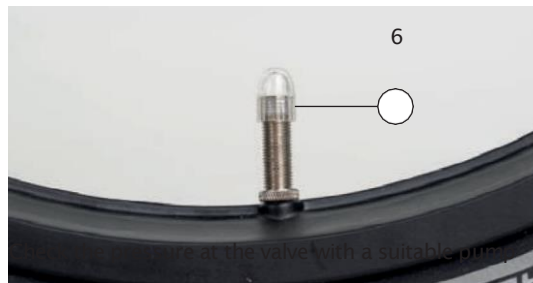
Your tires must always be inflated to the correct pressure in order to function correctly. You will find the recommended air pressure on the sidewall of the tire in bar or PSI. You can check and adjust the air pressure at the valve (6) using a suitable pump.

**Warning:**

Always ride with the correct air pressure and check regularly.



Check the wheels regularly



Quick release

There are quick-release levers at various positions on the bike, which are essential for perfect function and safe riding.

**Warning:**

Quick-release skewers must not be loose or slack at any time. Serious accidents can be the result.

**Warning:**

If you close a quick release, it should be very difficult to move at the end. The preload can be pre-adjusted using the adjusting nut on the opposite side before the quick-release lever is moved and closed. This should then stand 90 degrees to the clamping axis.



Quick release in closed position

Battery

**Warning:**

Observe these instructions when handling the battery. Risk of injury / death!

Risk of injury if the e-bike system is activated unintentionally!

Before working on the e-bike, transporting it or storing it for longer periods, remove the battery.

Danger of short circuit! Do not open, dismantle or crush the battery. Opening the battery will invalidate any warranty claims.

Explosion hazard! Protect the battery from heat (e.g. also from continuous exposure to sunlight), fire and immersion in water. Never store in the car in summer temperatures!

Risk of burns! Keep small metal objects (e.g. paper clips, nails, screws, keys, etc.) away from the stored battery.

These could cause bridging of the contacts. In the event of short-circuit damage caused in this context, any claim under the guarantee is void. In case of fire, only use a fire extinguisher of fire class D (dry powder), never extinguish with water!

Risk of burns due to escaping liquids! If used incorrectly, liquid may escape from the battery. Avoid contact with it. In case of accidental contact, rinse the affected body parts with water. If the liquid comes into contact with mucous membranes (e.g. eyes), please also seek medical assistance immediately.

Do not expose the battery to shocks! There is a risk of the battery being damaged. Do not use a defective or damaged battery under any circumstances.

Irritation of the respiratory tract due to vapors!

Vapors may escape if the battery is damaged or used improperly. See a doctor if you have symptoms.

Fire hazard due to use of other chargers! Only charge the battery with the charger supplied with your Brose system. Only use the battery in conjunction with e-bikes with the original Brose e-bike system. This is the only way to protect the battery from dangerous overload.

Never leave the battery and charger unattended while charging!

Keep battery away from children!

Always keep the battery dry and clean!

Always keep the battery contacts clean! If they are dirty, clean them with a clean, dry cloth.

Avoid unnecessary charging processes! Do not charge the battery for long periods when you are not using it.

Battery

Before first use

Check the battery before charging or using it for the first time.

Press the LED button (9). The charge status indicator should now light up from "empty" to "full" and then display the current charge status for approx. 4 seconds.

If no LED on the charge status indicator lights up or the battery cannot be activated, it must be recharged.

If at least one, but not all of the LEDs on the charge status indicator light up, the battery should be fully charged before using it for the first time.

Charging your bike

First insert the supplied charging plug directly into the charging socket (7) of your battery. The duration of the charging process depends on how much the battery has been discharged. You can charge the battery either attached to the bike or loose. Interrupting the charging process does not affect the service life of the battery.

**Note:**

The optimum outside temperature for charging is between 5 °C and 35 °C.

**Note:**

Allow the battery to cool down slightly after driving before charging it again.

Charging level indicator

The five LEDs on the charge status indicator (8) show, after pressing the LED button (9), the charge status of the battery. Each LED corresponds to around 20 % capacity. When the battery is fully charged, all five LEDs light up. The charge status of the switched-on battery is also shown on the display of the display unit.

A full charge from empty takes approximately 7 hours.

Storing your bike correctly

The battery should not be empty when stored for long periods. Approx. 50% battery charge is ideal for storage condition. The battery should then be recharged approximately once a month during storage to ensure a long service life. The storage temperature should never be below 5°C.

**Note:**

Always switch off the battery before inserting it into or removing it from the holder. Only use the charger supplied with your e-bike. Only this is matched to your battery.

Lighting system

The light is switched on and off by using the right-hand button on the Brose screen (10). First check the lighting system itself to see if it is switched on.

**Warning:**

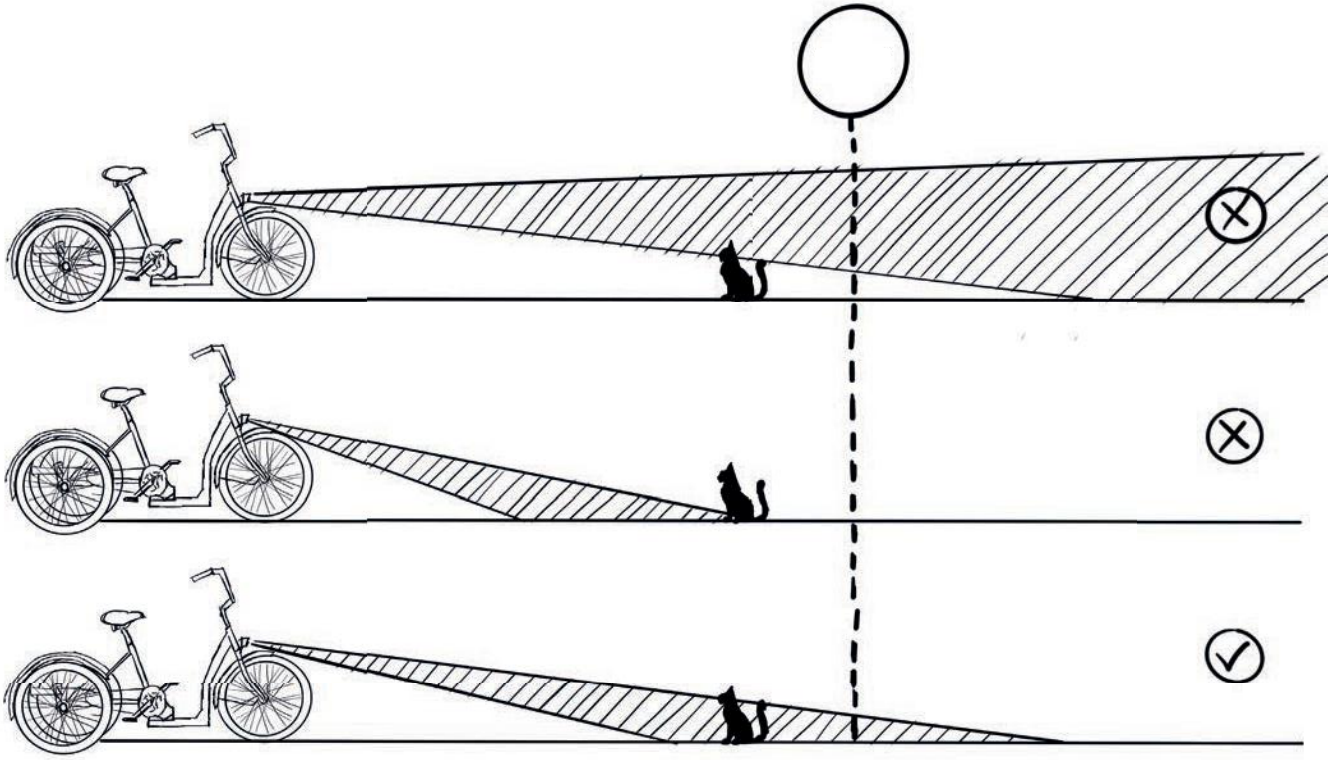
Never use your bike without a functioning lighting system! Never drive without a charged battery! Failure to do so may result in serious accidents or damage!

Setting the front light

Adjust the front light so that the center of the illuminated area hits the ground no more than 10 meters in front of the bike (see illustration).



Button for switching the light on and off.



Display

Your display shows you the charge level, speed and other information about your tour.

You can find all information on how to use your display and your e-bike system in the instructions in our download area under the link below. Read the relevant instructions carefully and familiarize yourself with your e-bike system.



Johansson download area

Scan this QR code or visit the following web address:

johansson-bikes.com/downloads



Warning:

Your display must always be clearly visible and operable. Adjust the position so that you always have a good view of it and can control it with your thumb.

General care instructions

Remove the battery before servicing or maintaining your bike. If the electronics are activated accidentally, injuries may result.

Only carry out work for which you have the necessary expertise and tools. Otherwise, contact an authorized service partner.

Your bike is already fully assembled by the specialist dealer. To ensure a long service life and safe operation, you must nevertheless have regular maintenance work carried out by a specialist dealer.

Regularly protect your bike from corrosion by cleaning it with clean water. Care products can also be used, which you can obtain from your specialist dealer.

**Warning:**

Do not clean your bike with a high-pressure cleaner, otherwise water can get through the seals!

Maintenance check

You can carry out the following checks yourself at regular intervals:

Checking the tires for damage

Check whether there is any damage to the inner tubes or the rims.

Checking the tire pressure

You can measure the right pressure for your tires with a suitable air pump.

Checking the chain tension

Check that the chain is sufficiently tensioned and that the gears are working properly.

**Warning:**

You should not carry out any maintenance in accordance with the service booklet yourself, but have it carried out by a specialist dealer. The warranty is void if your bike is serviced without authorization.

**Note:**

Adhere to the maintenance intervals in the service booklet and document them carefully each time.

Data sheet - size, weight

Model	Dimensions	Weight	Max. Payload	Max. Total weight
FINJA	L 2030 x W 915 x H 1140 mm	42 kg	Driver 100 kg / load 85 kg	230 kg

Tightening torques (guide values)

M3 thread	M4 thread	M5 thread	M6 thread	M8 thread	M20 thread
2 Nm	3 Nm	6 Nm	10 Nm	25 Nm	410 Nm

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ANY QUESTIONS? CONTACT US!

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