

YOONIT

USER MANUAL YOONIT MICRO

Valid for all models as of April 2026



HELLO



We are happy that you have chosen a YOONIT Micro!

At just 139 cm in length, it's our most compact model – perfect for urban mobility. Thanks to the rotating handlebar and foldable pedals, it fits easily into elevators, trains, or onto a bike rack. Whether in a hallway, basement, or apartment, the YOONIT Micro finds its place with ease.

Your groceries, grandma's dachshund, that vintage globe from the flea market, or plants for your garden – the YOONIT Micro lets you carry whatever moves you. With versatile racks, baskets, and crates, every load becomes an easy ride.

Hop on, load up – and off you go!

CONTENT

This manual contains everything you need to know about your YOONIT Micro – from getting started to maintenance. To ensure a safe ride and long-lasting enjoyment, please read it carefully before your first trip.

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COMPONENT DESCRIPTION: YOONIT Micro Electric



1 Wheels

Rims
Alienation Black Sheep (27 x 355, 36L)
Tires
Schwalbe Pick-Up 55-355
Tubes
Kenda 47/57-355, AV 35 mm
Front Hub
Shimano Deore
Front mudguards
SKS
Rear mudguards
SKS with integrated light

2 Drive

Drive Unit
Shimano EP6 (85 Nm)
Battery
BT-BT-EN605 (504 Wh)
Crank
Shimano STEPS, 170 mm
Pedals
ergotec folding pedals
Gear Shift
SHIMANO STEPS Nexus Inter-5E,
5-Speed Mechanical Internal Gear Hub
Belt Drive (optional)
Gates Carbon Drive (CDX)

3 Cockpit

Handlebar
Satori FULL-CITY 100, Ø31.8mm,
Length: 680 mm, Backsweep: 15°
Stem riser
Satori EASY-UP ET,
Adjustable height range: 100 mm
Stem
Satori URSA, Ø31.8mm, Länge: 50mm
Grips
ergotec EG-Ambition 133/92

4 Seating

Saddle
Selle Royal Lookin 3D
Seat post
ergotec VIPER ø30.9 mm, L 400 mm
Seat clamp
Shimano PRO ø34.9 mm

5 Braking system

Brakes
SHIMANO BR-MT200,
2-piston hydraulic disc brake
Rotors
SHIMANO SM-RT10, ø160 mm

6 Frame

Frame
CrMo steel tubing, made in the
Netherlands
Colours: Misty Lime, Rollin Stone,
Graphite Grey, Purple Race
Fork
18", CrMo steel tubing, Graphite Grey
Kickstand
ergotec DOUBLE FLEX 3
Frame lock
ABUS 6950M Granit X-Plus,
keyed alike with the battery lock

7 Lighting system

Front light
Busch & Müller Lumotec BRIQ S
Taillight
Busch & Müller XelTec

8 Racks

Front rack
AVS CARGO HT, zur
Mounting on the head tube
Back rack
AVS COMMUTE 365



COMPONENT DESCRIPTION: YOONIT Micro Classic



1 Wheels

Rims

Alienation Black Sheep (27 x 355, 36L)

Tires

Schwalbe Pick-Up 55-355

Tubes

Kenda 47/57-355, AV 35 mm

Front Hub

Shimano Hub dynamo DH-3D37

Front mudguards

SKS

Rear mudguards

SKS with integrated light

2 Drive

Crank

Miranda Delta, 170 mm

Pedals

Platform pedals

Gear shift

Shimano Alfine 8-Gear

Belt (optional)

Gates Carbon Drive (CDX)

3 Cockpit

Handlebar

Satori FULL-CITY 100, Ø31.8mm,
Length: 680 mm, Backsweep: 15°

Stem riser

Satori EASY-UP ET,
Adjustable height range: 100 mm

Stem

Satori URSA, Ø31.8mm, Länge: 50mm

Grips

ergotec EG-Ambition 133/133

4 Seating

Saddle

Selle Royal Lookin 3D

Seat post

ergotec VIPER ø30.9 mm, L 400 mm

Seat clamp

Shimano PRO ø34.9 mm

5 Braking system

Brakes

SHIMANO BR-MT200,
2-piston hydraulic disc brake

Rotors

SHIMANO SM-RT10, ø160 mm

6 Frame

Frame

CrMo steel tubing, made in the
Netherlands

Colours: Misty Lime, Rollin Stone,
Graphite Grey, Purple Race

Fork

18", CrMo steel tubing, Graphite Grey

Kickstand

ergotec DOUBLE FLEX 3

Frame lock

ABUS 6950M Granit X-Plus

7 Lighting system

Front light

Busch & Müller Lumotec DOPP

Taillight

Busch & Müller XelTec

8 Racks

Front rack

AVS CARGO HT, zur
Mounting on the head tube

Back rack

AVS COMMUTE 365



COMPONENT DESCRIPTION: YOONIT Micro Special Edition



1 Wheels

Rims
Alienation Black Sheep (27 x 355, 36L)
Tires
Schwalbe Billy Bonker 50-355
Tubes
Kenda 47/57-355, AV 35 mm
Front Hub
Shimano Deore

2 Drive

Crank
Miranda Delta, 170 mm
Pedals
Platform pedals
Gear shift
Shimano Alfine 8-Gear
Belt
Gates Carbon Drive (CDX), Red

3 Cockpit

Handlebar
Satori FULL-CITY 100, Ø31.8mm,
Length: 680 mm, Backsweep: 15°
Stem riser
Satori EASY-UP ET,
Adjustable height range: 100 mm
Stem
Satori URSA, Ø31.8mm, Länge: 50mm
Grips
ergotec EG-Ambition 133/133

4 Seating

Saddle
Selle Royal Lookin 3D
Seat post
ergotec VIPER ø30.9 mm, L 400 mm
Seat clamp
Shimano PRO ø34.9 mm

5 Braking system

Brakes
SHIMANO BR-MT200,
2-piston hydraulic disc brake
Rotors
SHIMANO SM-RT10, ø160 mm

6 Frame

Frame
CrMo steel tubing, made in the
Netherlands
Colour: Graphite Grey
Fork
18", CrMo steel tubing,
Colour: Graphite Grey
Kickstand
ergotec DOUBLE FLEX 3

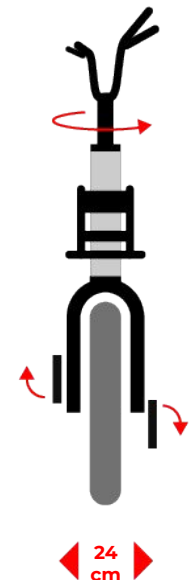
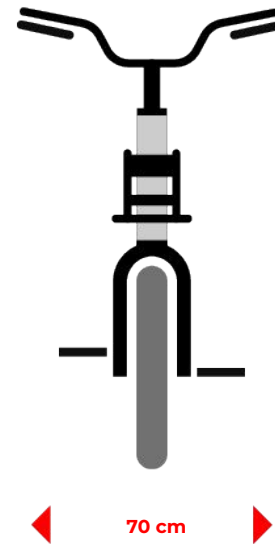
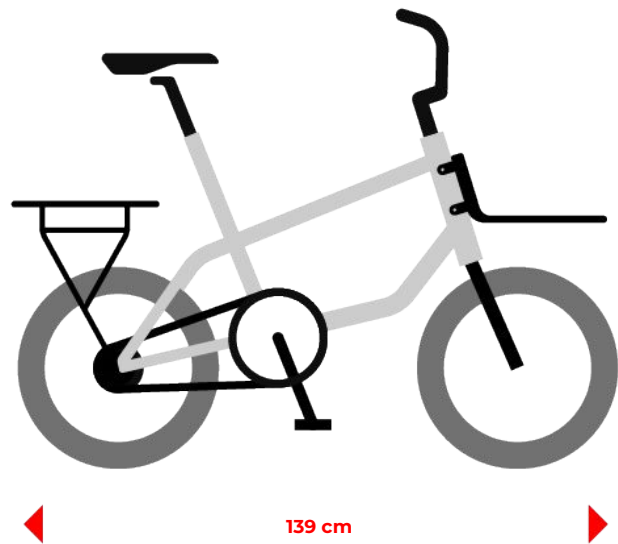
7 Racks

Front
AVS CARGO HT, zur
Mounting on the head tube
Crate
AVS Bakery Crate



The YOONIT Micro Special Edition, as delivered, may not comply with legal requirements for public road use in your country. Please verify local regulations. Modifications (e.g., lighting, reflectors, bell) may be required.

DIMENSIONS



GENERAL INFORMATION

In addition to explanatory texts, these instructions will also accompany you with symbols that indicate helpful tips, special features or dangers. This can concern the assembly of your YOONIT or the professional handling of it.

You will encounter the following signs:



Tips and hints

This symbol draws your attention to important information and tips that offer additional help or explain the context.



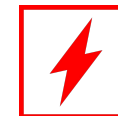
Control check

We have created lists with which you can process operations.



Attention

This symbol warns you of wrongdoing that could endanger your YOONIT and the environment.



E-Bike

hereinafter referred to as YOONIT Electric



Danger

Attention! Here we point out risks that could be dangerous for your health and that of those around you. Please strictly adhere to our precautionary measures, otherwise serious or fatal injuries to the driver or occupants may result.



without electrical assistance

hereinafter referred to as YOONIT Classic



Links

Link to external operating instructions

LEGAL REQUIREMENTS

In order to take part in public traffic, your YOONIT must meet the requirements of the traffic regulations of the country in which you want to drive. When participating in traffic, the same rules apply to cyclists as to drivers of a motor vehicle.

In Germany, the relevant conditions are defined by the Road Traffic Licensing Regulations (StVZO) and the Road Traffic Regulations (STVO). Among other things, they define the requirements for the braking and lighting system and stipulate the use of a brightly sounding bell. A bicycle must have two brakes that work independently of one another, one on the front and one on the rear.

All cyclists are obliged to keep their bike in a roadworthy condition and to maintain it or have it serviced accordingly. In Germany there is no obligation to wear a helmet. However, we recommend that you wear one for your own safety.

Before driving in another country, please find out about the legal requirements there.

Provisions for the Bicycle Ordinance for Austria are set out in the 146th Ordinance: Bicycle Ordinance of the Federal Law Gazette for the Republic of Austria. When using your bike in Switzerland, please inform yourself about the valid regulations in the "Ordinance 741.41 on the technical requirements for road vehicles" (VTS) in Articles 213 to 218.



The YOONIT Micro Special Edition, as delivered, may not comply with legal requirements for public road use in your country. Please verify local regulations. Modifications (e.g., lighting, reflectors, bell) may be required.

INTENDED USE

Your YOONIT was designed and constructed for use in urban environments on roads or paved surfaces and is intended for participation in road traffic. The wheels should remain in constant contact with the ground. Do not take your hands off the handlebars while riding. You should not perform wheelies, jumps, ride down stairs, or execute similar maneuvers with your YOONIT.

Warning! Overloading the YOONIT or assembling or repairing it incorrectly must be strictly avoided. In particular, transporting children with the YOONIT Micro is not permitted. Doing so may cause damage to property or injury to health and life. In such cases, the warranty for your YOONIT is void.

	Electric	Classic	Special Edition
Empty weight YOONIT (incl. Akku)	28.5 kg	20.5 kg	19.5 kg
Maximum weight rider	100 kg	100 kg	100 kg
Maximum payload (incl. accessories)	40 kg	40 kg	40 kg
Maximum total payload (incl. rider)	140 kg	140 kg	140 kg



Please pay attention to the permissible total payload, consisting of the weight of the rider + load.



Transporting children with the YOONIT Micro is strictly prohibited!



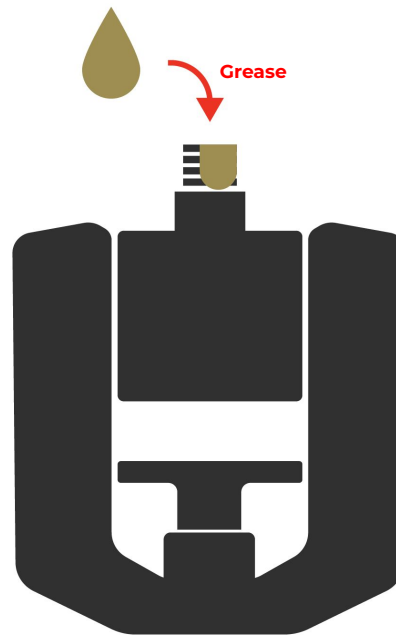
UNBOXING

Your YOONIT Micro is fully assembled in Germany. Only the pedals need to be installed before your first ride – all other adjustments can be made without tools.

Here, we'll guide you through the first steps.



The pedals on the YOONIT Micro are foldable. For more information, see page 21.

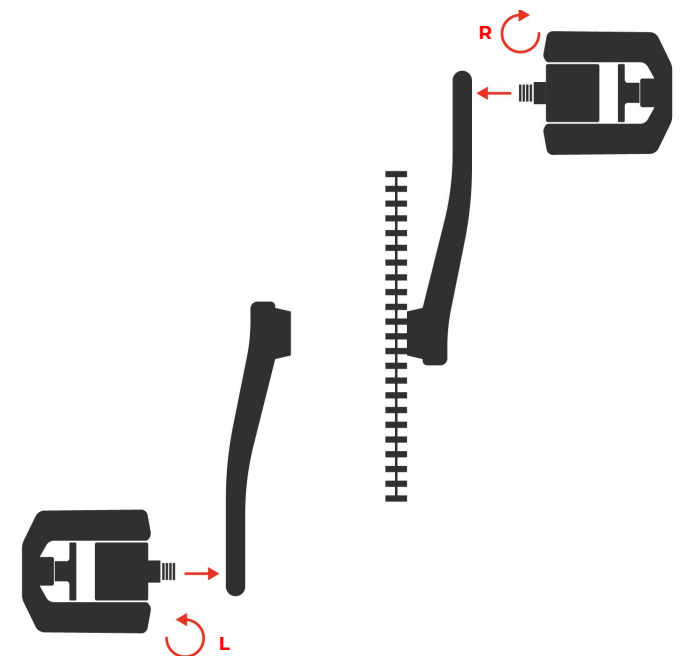


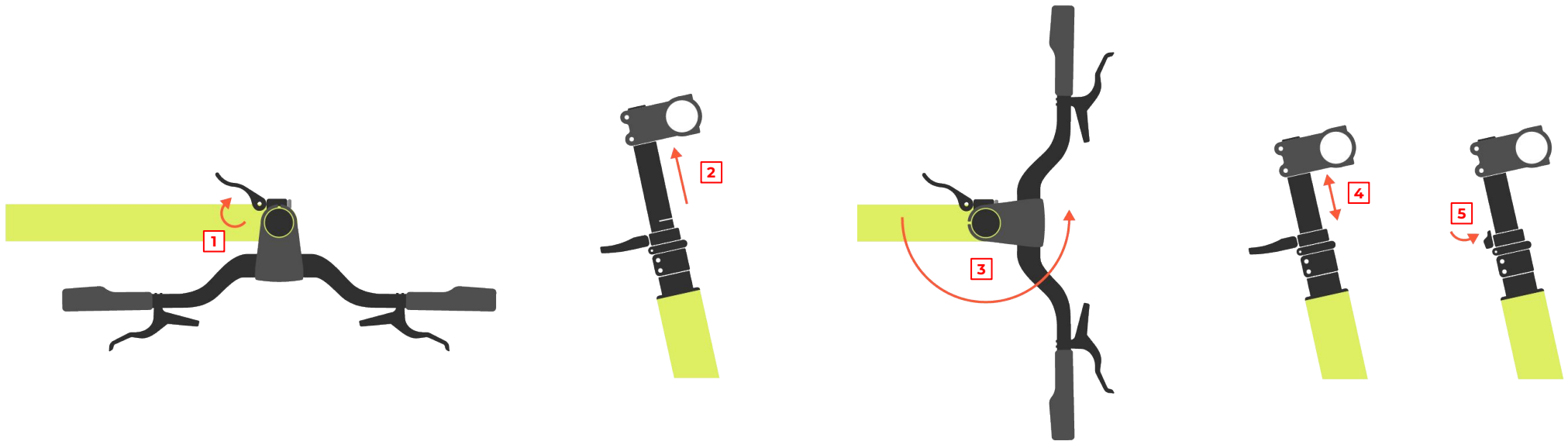
Step 1

Mount the pedals

Grease the threads of the pedals before attaching them. Only in this way can they be removed again after years of use.

You can recognize the left and right pedals by the embossed letters "L" and "R". Screw them into the threads as shown. The left pedal counterclockwise, the right pedal clockwise. Tighten to 35-40 Nm with a torque wrench.





Step 2

Align the cockpit

Open the quick-release lever [1]. Then pull the stem riser all the way up to the stop [2]. Now you can rotate the cockpit 90° to the left [3]. You can adjust the stem extension flexibly between 0 and 10 cm in height. Make sure not to fall below the minimum insertion depth [4]. Finally, close the quick-release lever again [5].

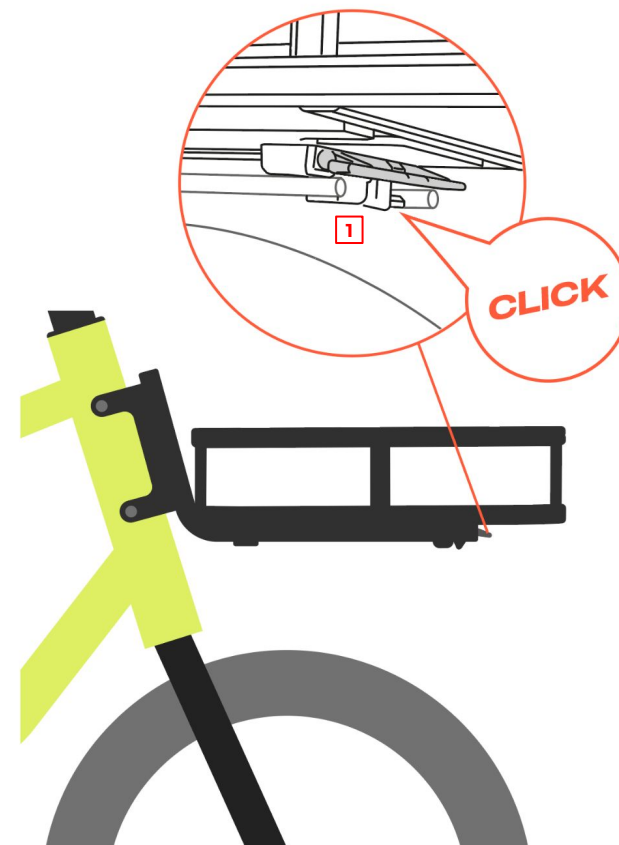


For more information on the stem riser, see page 19.

Step 3

Attach baskets and crates

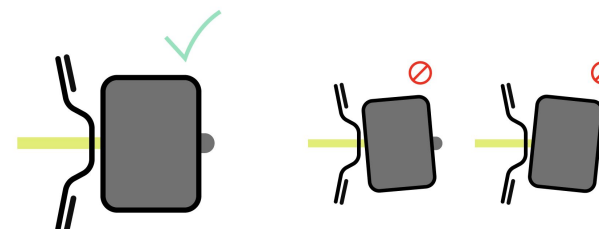
Now you can mount your carrier. The YOONIT Micro is compatible with a wide range of accessories from Atran Velo. Thanks to the easy-to-use AVS (Atran Velo System), baskets and crates can be securely attached with a single click – and released just as quickly: simply press the release lever **[1]** upward to detach the accessory.



For more information and instructional videos, visit the Atran Velo website: <https://atranvelo.com/instructions/>



Make sure the accessory is properly aligned and fully secured within the AVS system on the carrier.

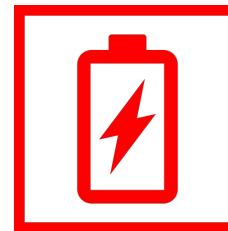


BEFORE YOUR FIRST RIDE

Before your first ride, read through all the warnings and notes that we have compiled for you in these instructions. If you have any questions after reading this, please do not hesitate to contact us at customer@yoonitbikes.com.

Driving in traffic requires a high level of concentration and fitness. Slowly test yourself on the properties of your YOONIT in a lonely place so that you feel safe while driving and braking.

We have summarized the most important steps that you should always observe before you can set off with your YOONIT.



Step 1 recharging the battery

When you receive your YOONIT Micro Electric, the battery is not charged. Charge it fully. You can remove it from the YOONIT Electric or leave it attached to the bike.

An LED panel on the battery shows you that it is charging. You can find details about the battery in the instructions supplied with the drive system.

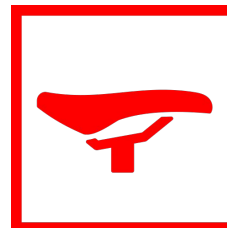


Step 2 Control check

- ☐ Are the handlebars and saddle adjusted for you?
- ☐ Can the steering move without play?
- ☐ Are you familiar with the characteristics of your folding pedals? There may be a risk of slipping when wet.
- ☐ Are the wheels properly seated in the fork and frame?
- ☐ Is the tire pressure suitable for your journey with or without a load?
- ☐ The front and rear wheels must be inflated to a pressure of 2.50-4.50 Bar (35-65 psi).
- ☐ Are you familiar with the functions and operation of the add-on parts?
- ☐ Which brake lever actuates the brake of the front wheel, which one of the rear wheel? Make a note of the assignment of the brake levers.
- ☐ Are the brakes working properly and are the brake levers within easy reach?
- ☐ Have you checked that all fastening screws and nuts are correctly seated?

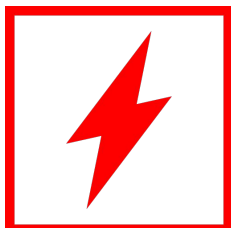


If one of these points is not met, please have your YOONIT checked by one of our service partners before your first trip.



Step 3 Fitting

An ergonomically correct sitting position is important for efficient driving with symptom-free movement sequences. On page 16 you will find information on the optimal adjustment of the handlebars and saddle.



Step 4

Switch on your STEPS system

Is the battery charged? Then the Shimano STEPS system can be switched on. The display informs you about the battery level, your speed and the selected support level.

- **[1]** Press the button on the battery to start the system.
- **[2]** Choose the level of support you want.
- **[3]** In the menu you can switch the bike's lights on and off. We recommend that you always drive with the lights on. This increases your visibility in traffic.



To charge the battery, you can remove it from the YOONIT Electric or leave it attached to the bike.



BEFORE EVERY TRIP

Impellers

Check the condition of the tires and their air pressure. The wheels must run smoothly.

Lighting

Are the front and rear lights working properly? The front light should be set correctly so that other road users are not dazzled.

Brakes

When you pull both brake levers, you should feel a distinct pressure point. The brakes are not properly adjusted if you can pull them all the way to the handle.

Payload

Make sure to load your YOONIT evenly and that your load is always fixed. No safety-relevant parts may be disturbed or covered in their function during transport. Driving stability can suffer from incorrect loading. Driving and braking behavior can change with a heavy load.

Total weight

The permitted total weight must not be exceeded. Please refer to the table on **page 10**, which shows the total weight for your YOONIT.

Battery pack

Make sure that the battery is sufficiently charged before every journey. Before driving, check that the battery is firmly seated in the holder, it should be audibly locked into the holder. It is also important to check the seat again after the journey.

Quick release and screw connections

Before every ride, check that all quick releases and screw connections are firmly tightened. The quick releases on the front wheel, on the Adapt System of the carrier, the cockpit riser and the seat post must be tightened before you set off.



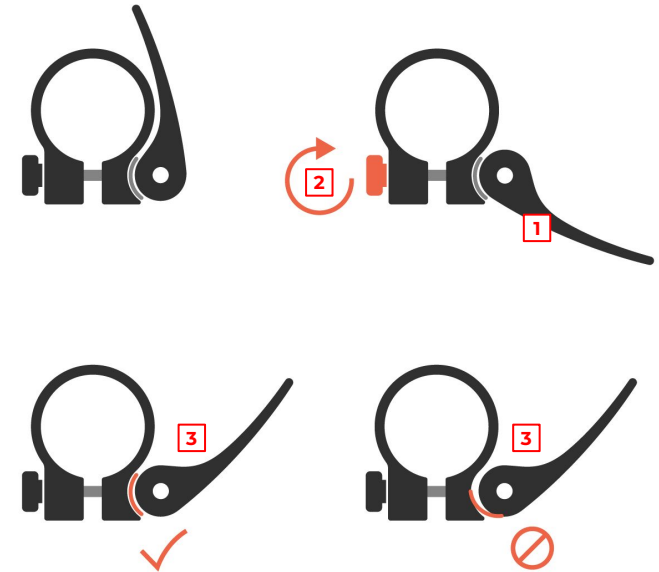
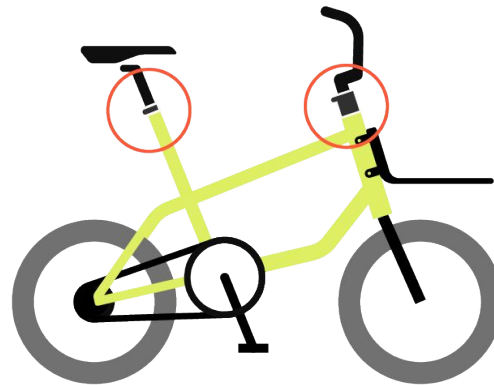
When you've worked through the checklist and followed everything, you're good to go. If there is a problem with one or more components, please contact your service partner or contact our support team at hello@yoonitbikes.com.



As soon as you step down the pedal of your YOONIT Micro Electric, the motor switches on. You can adjust in advance how much it supports you. Once you have reached the top speed of 25 km/h, the support switches off. The drive switches on again automatically as soon as the speed has fallen below 25 km/h and you start pedaling again.

QUICK RELEASES

The supplied quick-release clamps are devices that, instead of a screw connection, can quickly fix components on your YOONIT without tools. With the force that you exert on the quick release lever, you clamp it in one direction and open it in the other direction. You can adjust the resistance of the clamping with the adjusting nut [2] when the quick release lever [1] is open.



The holding force of the quick release is set correctly if you feel counter-pressure when you close the quick release from halfway through the lever travel. At the end of the lever path, enough force must be required that you need the force of the ball of your hand to close it.



Make sure all quick releases are securely closed before you set off. The closed quick release lever [1] must lie close to the frame and always point against the direction of travel so that it is not opened due to unintentional contact while the vehicle is in motion.



Before you fix the quick release, make sure that the silver half-moon shell [3] is flush with the curve of the quick release lever. If the half-moon shell [3] is crooked, the clamping function can be impaired and the quick release can be damaged!

ERGONOMICS AND SEATING POSITION

Before using your YOONIT for the first time, you should adjust the seating position to your height. A seat position that is adjusted to you is essential for safe, comfortable and efficient driving with symptom-free movement processes. The saddle offers adjustment options in terms of height, horizontal alignment and inclination. Handlebars and stem can be adjusted in height and orientation.

Saddle height

Estimate the right height of the saddle for you and fix it with the quick release. Sit on your YOONIT. Avoid tilting, you can also have someone hold you. Now place your heel on the turned down pedal. If your leg is straight in this position, the saddle is at the correct height. If you now put the pedal and leg in the right position to start driving, the leg should be slightly angled.

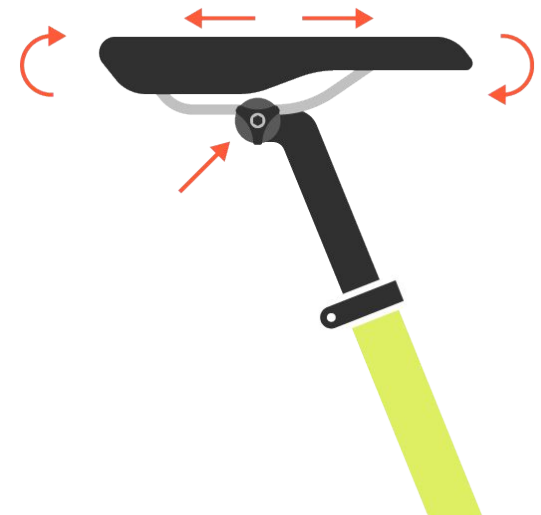
If your foot is at its widest point above the pedal axis, your foot is correctly positioned.

The saddle height depends on the body size of the rider. Driving the YOONIT must be possible without impairing driving safety or health. Only pull out the seat post so far that the seat post clamp is still securely clamped.

Saddle inclination

Before starting your journey, you should test whether the saddle and seat post are securely attached. Grab the front and back of the saddle and try to turn it. He shouldn't be able to move.

Once the saddle height has been adjusted, its incline must also be adjusted. You can adjust the saddle when the saddle clamp screws on the seat post are open. The position of the saddle is correct when it is level.



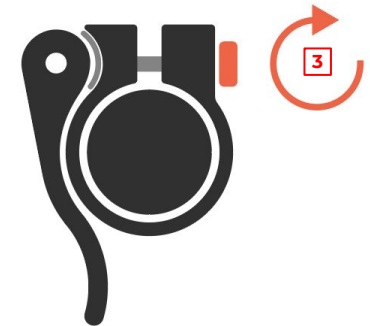
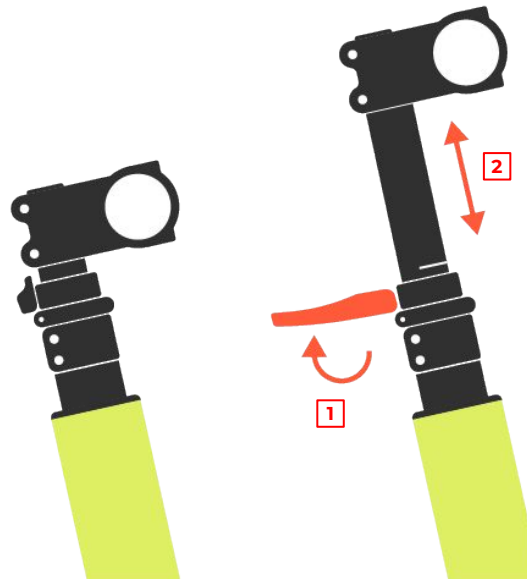
Make sure that you can safely reach the ground with your feet while sitting on the saddle. Otherwise, there is a risk of tipping over with a heavy load.



Attention! The seat post must never be pulled out of the seat tube further than the embossed mark. If no marking is visible, at least 7.5 cm of the seat post must remain in the seat tube.

COCKPIT ELEVATION

Your YOONIT Micro is equipped with the Easy Up system by Satori – a convenient, tool-free solution for adjusting the handlebar height. Additionally, the handlebar can be rotated 90° to the side when needed, making it easier to transport or store the bike in tight spaces.



Height adjustment

To adjust the height of your cockpit, proceed as follows: Open the quick-release lever [1]. Raise or lower the stem adapter to set the handlebar height according to your individual preference.

Make sure not to exceed the maximum extension length [2]. Then close the quick-release lever again. Check the lever's tension – if there is no resistance, turn the adjustment bolt [3] on the opposite side a few turns clockwise.



Check the tightening value of the screws after approx. 500 km and then regularly as part of the service intervals, but at least once a year. You can find the correct tightening values on page 50.



Do not adjust the height while driving. This could lead to a fall.



To avoid a fall or accident, the stem adapter must be replaced after it has been damaged.



Never pull the stem adapter further than the embossed maximum marking out of the steering tube!



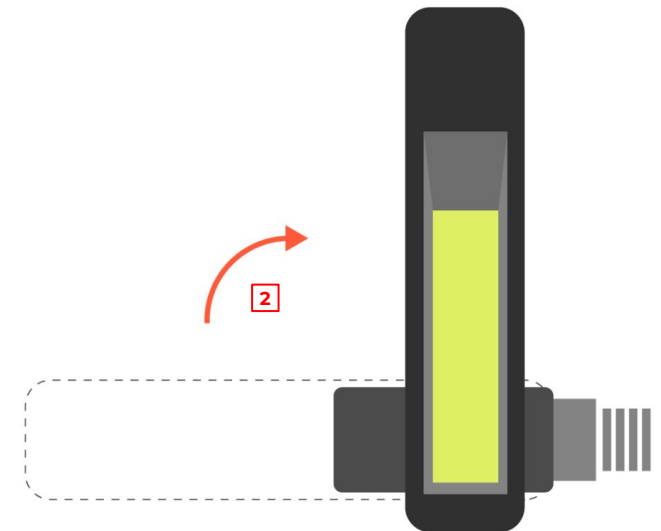
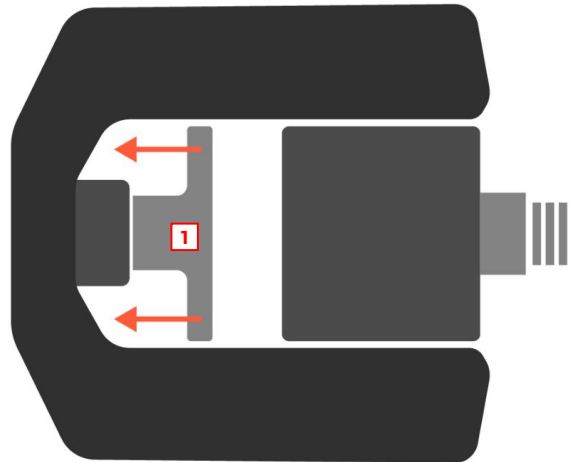
When transporting cargo, make sure the handlebar can move freely while riding. Ensure there is enough clearance between the load and the handlebar to avoid any restrictions while steering.

FOLDABLE PEDALS

The foldable pedals on the YOONIT Micro allow for space-saving storage — ideal for tight spaces or transporting on a vehicle.

To fold the pedals, pull the sliding mechanism **[1]** outward against the spring tension, rotate the pedal surface 90° **[2]**, and lock it into the axle body.

To unfold the pedals for riding, pull the mechanism outward again, swing the pedal surface into the horizontal position, and lock it back into the axle body.



Always make sure before riding that the sliding mechanism is properly locked into the axle body.

LOADING SAFELY

Correct loading is an important prerequisite for safe and comfortable driving. Before you set off, please note the following:

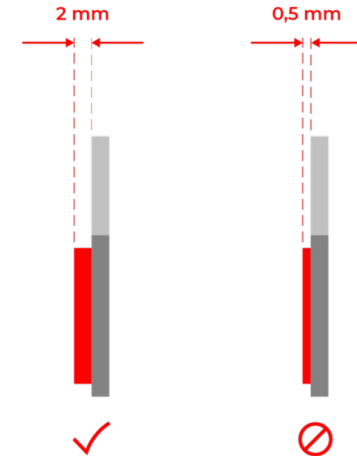
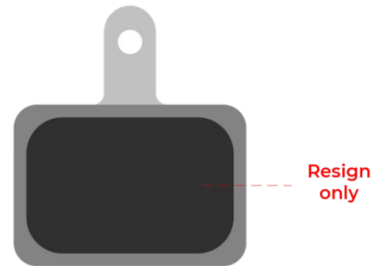
- Is the carrier securely attached to the AVS System?
- Has the permissible total weight been taken into account?
- Is the load evenly arranged?
- Can the steering be moved freely as far as it will go and can the wheels turn freely without being blocked by the load?
- Does the tire pressure match the requirements of your journey?
- Are the lights and reflectors exposed so that your visibility is guaranteed?



The weight of the load should determine your driving style. A dog or heavy load affects the driving and braking behavior of your YOONIT. The steering is exposed to increased forces and the braking distance can be longer. So drive defensively and with foresight.

BRAKES

Your YOONIT is equipped with two independent hydraulic disc brakes on the front and rear wheels. Check the function of the braking system regularly. Test the braking effect as well as the brake wear and check whether there are any leaks in the system. Replace the brake pads if they are dirty or if the thickness of the pads is less than one millimeter. The brake pads must not be braked so far that the carrier plate touches the brake disc.



Running in

New brake discs and their brake pads must be run in. Only after running in does the full braking power develop.



Braking in: To do this, accelerate your YOONIT to 25 km/h and brake clearly to the stop. You should repeat this process about 20 times. Be aware that the brakes increase their braking force as you do this. Make sure that the wheels do not lock.



Disc brakes decelerate very quickly; pulling the brake lever vigorously can block the respective wheel and cause a fall.



Vapor Lock

Do not brake continuously over a long period of time, e.g. on a steep and long descent. Temporarily relieve the brake lever. The formation of vapor bubbles in the brake system suddenly increases the brake lever stroke considerably and can result in a total breakdown of the brake system. Such loss of control of the bike can cause serious falls.

Wear

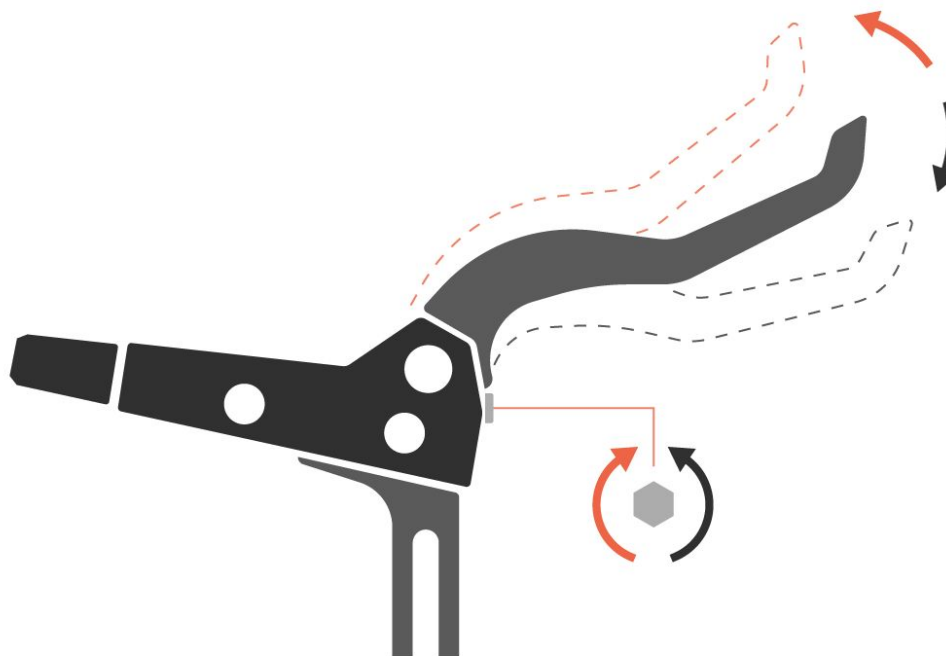
The brake pads wear out after a certain period of time, so check the condition of the brake system and the brake pads regularly. Have your brake system serviced regularly by your YOONIT service partner. This concerns the check of the brake fluid, as well as the wear and tear of the pads. In order to brake properly, your brake discs must be clean and free of grease.



Have the thickness of the brake discs measured after three brake pad changes; brake discs can also wear out.

Brake levers

On your YOONIT, the brake lever on the left side of the handlebar acts on the front brake. The lever on the right acts on the rear brake.



It is possible to adapt the brake levers to the shape of your hand and to move them closer to the handlebars. To do this, turn the adjusting screw on the brake lever (see illustration). If you turn to the left, the lever comes closer to the handlebars. If you turn to the right, it moves further away. However, the levers should never touch the handlebars, even if they are pushed hard.



Adjust the brake levers so that they do not touch the handlebars even when pressed hard!



Detailed information about Shimano hydraulic disc brakes can be found on the official Shimano service website: <https://si.shimano.com>

GEAR SHIFT



Micro Classic und Special Edition

The non-motorized versions of the YOONIT Micro are equipped with a Shimano Alfine 8-speed internal gear hub. You shift gears using the right-hand shifter on the handlebar, which is part of Shimano's Rapidfire system.

To shift to a higher gear, use the lever on the side of the handlebar facing you and push it forward with your thumb. To shift down to a lower gear, pull the lever on the opposite side of the handlebar toward you with your index finger.



Micro Electric

The pedelec version of the Micro features the Shimano Nexus Inter-5E mechanical 5-speed internal gear hub. It efficiently transfers the power of the strong EP6 Drive Unit.

To shift gears, rotate the shifter located on the right side of the handlebar up or down. The currently selected gear is displayed in the transparent window of the twist shifter.



The gear shift is one of the components that are relevant to your safety. Please read through the enclosed instructions from the manufacturer and familiarize yourself with how it works before you set off.

If you have any questions about setting and operation, you can contact the YOONIT team at any time: hello@yoonitbikes.com. Alternatively, your specialist dealer can also help you.

GATES BELT DRIVE

The Gates Carbon Drive is a maintenance-free and durable system. Note the following points before your ride.

After driving through mud or dirt, clean the belt with water or a hand broom. This will prevent premature wear and tear or noise such as squeaking or creaking.

When cleaning the belt, watch out for any damage, cracks, or deformations in the material.

Check the belt tension and pulleys regularly. If you notice changes, contact your service partner.



Loose clothing can get caught in the belt drive and block it. Attention! This can lead to dangerous situations. When cleaning, be careful not to pinch your fingers between the belt and pulley.



You can find more information about the Gates Belt Drive at <https://www.calameo.com/gates-corporation/read/0069754921a2219ad2203>

WHEELS AND TIRES

The wheels of your YOONIT are exposed to heavy loads. Your service partner should check it after 100 km to 300 km and adjust it if necessary. Also check the wheels yourself regularly.

Tires and air pressure

The appropriate air pressure for the tires is either specified in bar and PSI on the side of the tire or on a label on the rim. Please always ride with a suitable air pressure that suits the driver and the load.



Air pressure:
2.5 bar (35 psi) bis 4.5 bar (65 psi)

Hub bearing

Check the hub bearing from time to time by lifting the wheel off the ground and turning it by hand. If the bike does not run regularly or stops suddenly, this is a sign of a defective bearing.

There must be no play in the hub bearing. Check this regularly by pulling the front wheel in the fork or the rear wheel in the rear triangle to the right and left. It can't be loose or have play. If you find play, have the bearings adjusted by a service partner.

Rim concentricity

The runout of the rim must also be checked from time to time. Lift the impeller off the floor and spin it by hand. On the rim flank you can see whether the rim is deflecting to the side or whether it is running straight. Unless it is currently running, your service partner should center the rim.

Fixing a flat tire

Contact a specialist workshop if you have a flat tire. Expertise and special tools are required for repairs.

LICHTANLAGE



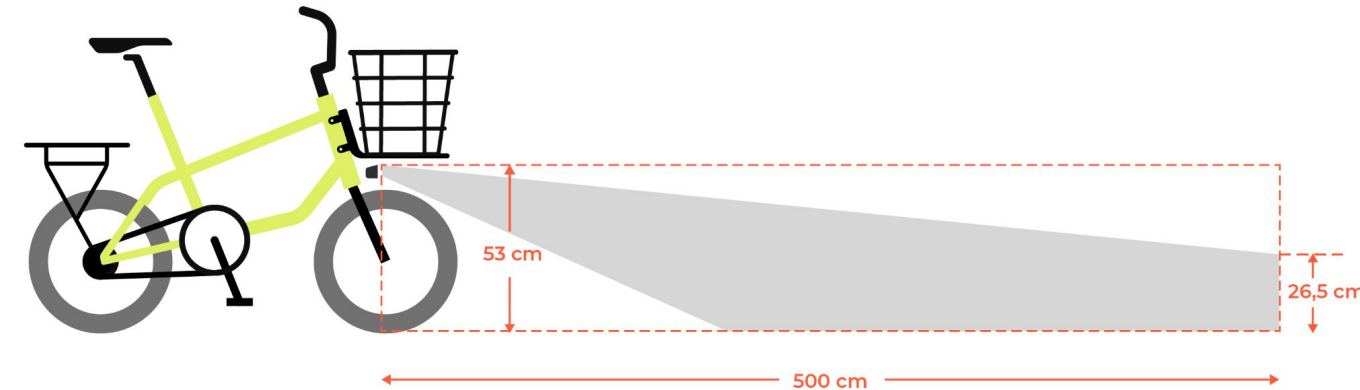
Micro Classic

The lighting system of the YOONIT Classic is powered by the hub dynamo using alternating current (AC). To switch the headlights on or off, press the large toggle switch on the back of the front light.



Micro Electric

The lighting system of the YOONIT Electric is powered by direct current (DC) from the STEPS battery. You can switch the lights on or off using the lower button on the bike computer.



Adjusting the headlight

The headlight must not dazzle other road users. According to the StVZO, the light cone must be inclined so that its center is only half as high at a distance of 5 meters as when it exited the headlight. Therefore set it as shown on the sketch.

You should clean the reflectors and headlights regularly to ensure that they function properly. Warm water and detergent work well for this.



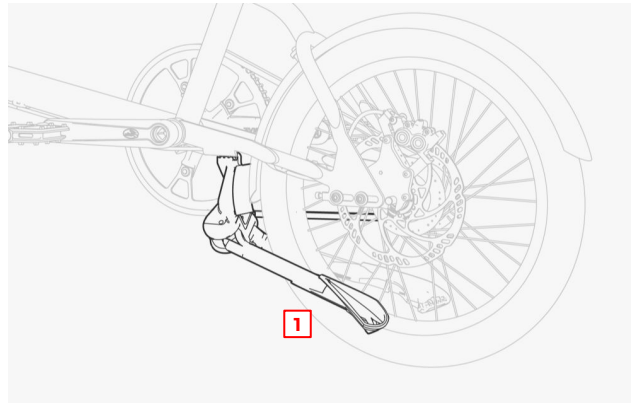
A functioning lighting system is mandatory in order to participate in road traffic. Without them, participation is prohibited. You cannot see the road properly and other road users cannot see you and your passengers. There is a risk of accident!



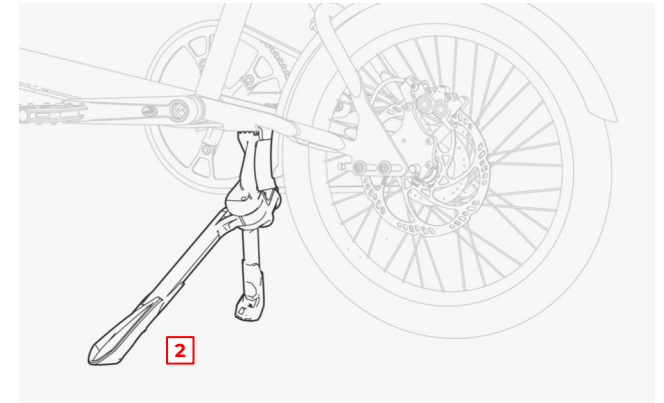
The YOONIT Micro Special Edition, as delivered, may not comply with legal requirements for public road use in your country. Please verify local regulations. Modifications (e.g., lighting, reflectors, bell) may be required.

DOUBLE KICKSTAND

Your YOONIT stands on a stable double foot stand with a maximum load of 80 kg.



To unfold the stand to park the YOONIT, place your foot behind one of the stand legs **[1]**. Push the YOONIT back so that the stand unfolds against your foot. Lift the YOONIT slightly by the saddle to make the process easier.



Do the reverse to raise the stand to continue your journey. Place your foot in front of the stand **[2]**, lift the YOONIT a little and push it forward so that the stand legs fold against your foot.



Be careful not to kick the rear brake disc if you want to open the stand to park the bike.



Do not sit on your YOONIT when the kickstand is unfolded. This could be damaged by the load.

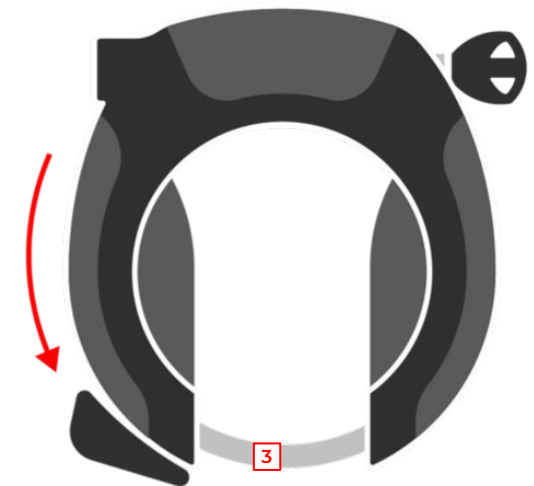
FRAME LOCK

Your YOONIT can be secured against theft with the frame lock built into the front fork. The lock is suitable for the use of different adapter chains.



Turn the key [1] and push the tension bolt [2] down to close the lock. Make sure that the spokes are not damaged when you close the locking bracket [3]. If there are spokes in the way of the bracket, turn the front wheel a little.

The key can be removed when the bolt is closed or when the lock is open.



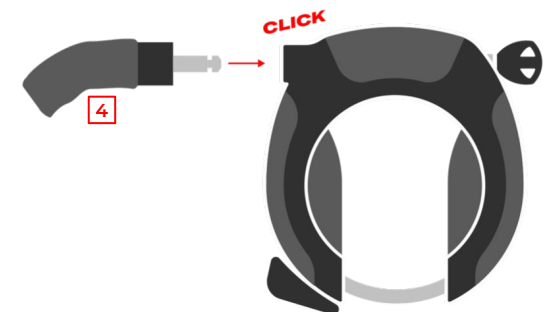
The locking pin [4] of an adapter chain can be easily inserted into the opening of the ring lock, even if there is no key in the lock. To open, turn the key - the bolt releases the chain.



Before every ride, check that your frame lock is open. If you start against the locked bolt, you could seriously damage the wheel!



When using an adapter chain, guide it through the eyelet provided on the frame at the front of the YOONIT's down tube to secure the front wheel and frame. The length of the chain is also sufficient to connect your carrier.

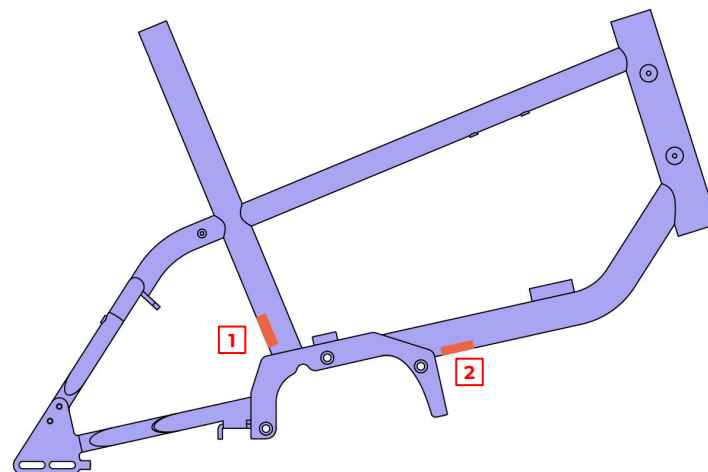
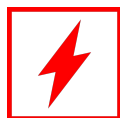
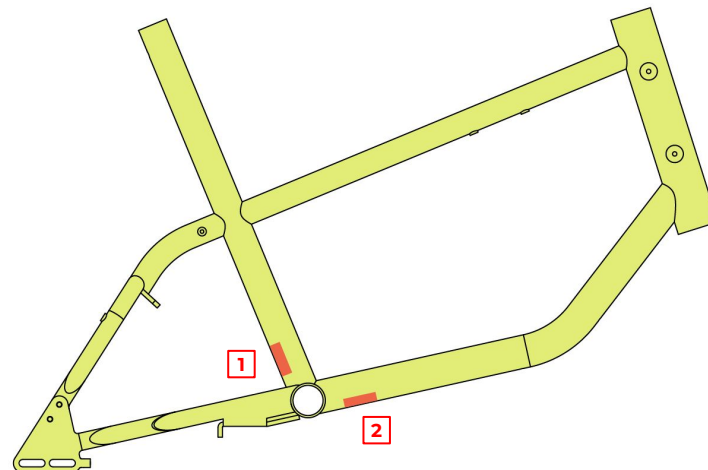


FRAME

In these operating instructions you will find a service book for your YOONIT. If your YOONIT is stolen, it can be identified by its frame number. You can enter the frame number in the service book.



Do not ride with a defective frame! Deformations or cracks impair the safety and function. This can only be remedied by having the damaged parts replaced by a specialist workshop. Damage to the frame or components can lead to accidents! You can recognize a warped frame or a defective fork by means of improper straight-line stability. In this case, be sure to contact your service partner to have these components checked.



1

You can find the nameplate of your YOONIT here

2

The serial number of your YOONIT you can find here

E-BIKE-SYSTEM

Your YOONIT Electric is powered by the Shimano STEPS EP6 system.

Here we give you an overview of its functions and operation.

Step 1

Note the following things to be able to start and use the system of your YOONIT Electric:

- Is the battery charged sufficiently?
- Is the battery properly seated in its holder?
- Are the battery, motor and control unit correctly connected to each other?



Step 2

Switching the STEPS system on and off

To start the system, press the upper button on the cycle computer until the display lights up. Proceed in the same way to switch off.

STEPS Steuereinheit

The control unit of your Micro Electric is located on the cockpit and consists of the STEPS display with an integrated assist switch (on the left side of the handlebar).

Step 3

Select Your Support Mode

Use the buttons on the display on the left side of the handlebar to easily switch between three support levels. The current mode is indicated by one to three bars on the left side of the display.

ECO

The lowest support mode – ideal for highly efficient riding and maximum range.

TRAIL

Dynamic support that automatically adapts to your pedaling power. The motor uses up to the full 85 Nm of torque depending on how hard you pedal. Perfect for varied terrain.

BOOST

The highest support mode with maximum torque (85 Nm) and up to 400% pedal assistance. Ideal for steep climbs or fast acceleration.



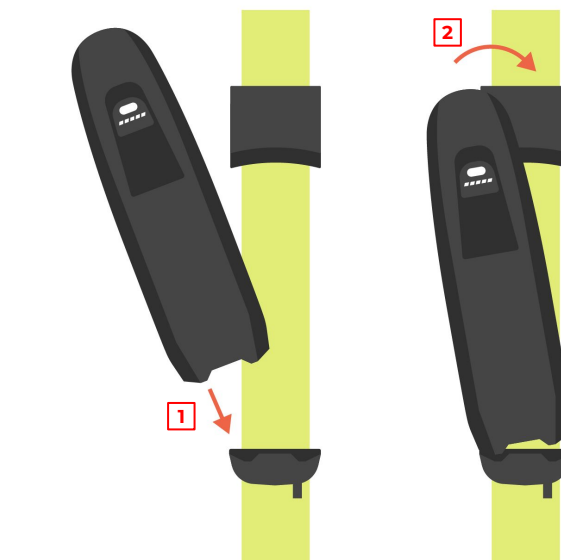
To operate the onboard computer and adjust its settings, please refer to the manufacturer's user manual. You can find more information at si.shimano.com

Akku

The battery developed for the Shimano STEPS system is mounted on the down tube and offers optimal riding performance thanks to its low center of gravity. It allows you to cover long distances and features a fast-charging function.

Control check

- Is the battery securely locked in the holder?
- Make sure that the battery does not discharge completely. You can recharge it even after using it for a short time. If the device is not used for a long time, the charging capacity may decrease.
- The battery should only be charged for as long as the manufacturer specifies.
- Unplug charger and battery when they are fully charged.
- Do not drive with the key inserted.
- Make sure the charging port cap is closed.



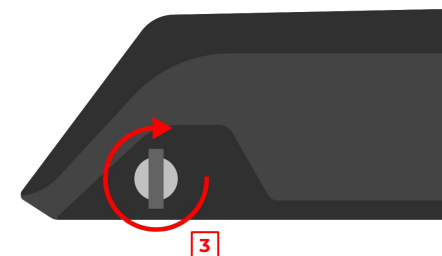
Inserting the battery

Insert the back of the battery onto the plastic tab [1] on the rear battery holder. Once the battery is hooked into the tab, turn it towards the front battery holder [2]. So you push it from the left onto the front bracket until it clicks into place.

The key is not required for insertion. The battery is secured as soon as it is engaged.



Hold the battery firmly and do not drop it, otherwise it could be damaged permanently.



Removing the battery

To remove the battery, turn the key in the battery lock clockwise [3] so that the lock is open. You can now remove the battery by carefully sliding it from the holder counterclockwise.



You can find more information at si.shimano.com

E-Bike-System

Battery

Charging the battery

Charge the battery by plugging the charging cable of the supplied charger into the charging socket. To do this, the battery can be removed from the YOONIT, or it can be charged when mounted on the bike. **You can find detailed manufacturer information at si.shimano.com.**



Make a note of the key number of the battery lock in your service book, you can find it as an embossing on the back of the key bit. If you lose the key, you can request a replacement key from your service partner by quoting the number.



Please observe the manufacturer's operating and warning instructions (si.shimano.com) in order to avoid possible dangerous situations. The label on the charger supplied also contains important information on use.

If the system is switched on, you can read the charge status of the battery from the charge status lamps. Even when the system is switched off or the battery is removed, you can display the charge by pressing the button on the battery.

State of charge	Indication
100 % — 81 %	
80 % — 61 %	
60 % — 41 %	
40 % — 21 %	
20 % — 1 %	
0 %	



The battery draws attention to possible malfunctions by means of light and flashing patterns. You can find information on this in the instructions supplied.



Before you charge the battery, refer to the enclosed instructions for the electric drive to find out about the safety-related information on battery and system. There is a risk of electric shock if handled improperly! Always use original parts from the manufacturer and adhere to their safety information.



Never open the battery or charger; this could result in a short circuit and/ or electric shock! You will then lose your guarantee. Protect the battery from mechanical damage, heat (direct and prolonged sunlight), fire and immersion in water. There is a risk of explosion! Keep children away from the battery. Damage and improper use may cause toxic fumes to escape.



If your battery is defective, do not use or charge it anymore. Do not cover the charger during operation, there is a risk of a short circuit or fire!

Battery

Safety instructions for battery and charging



As part of the inspection, the electric drive should be checked by a service partner to ensure that it is working properly. If the electrical system has been damaged, remove the battery immediately to avoid further damage. Do not hesitate to contact your service partner or us if you have any questions or problems with the electrical system.



Always remove the battery when you want to transport it or carry out maintenance and repair work. You could inadvertently activate the electrical system, which can lead to injury.

Range

The range is influenced by the outside temperature, your driving style and the terrain in which you move. The battery lasts the longest in warm temperatures and with low support.

Physical processes at low temperatures reduce the range of your YOONIT. This is a normal characteristic and not a fault in your battery. The battery stores and outputs the full energy at warmer temperatures. Keep this in mind when planning and when driving in cool temperatures. Adjust the support level if necessary.



In cool outside temperatures, we recommend that you do not leave the battery on the bike, but rather store it at room temperature. If you insert the battery directly before starting your journey, it will hardly lose any energy and will warm itself up during the journey. This helps to increase your reach.

Wear

The life of the battery depends on various factors:

- the number of charging cycles
- the age of the battery
- the conditions during use

Even if you do not use your battery or use it little, its capacity will decrease over time. Your service partner can use the remote diagnosis from Shimano to read the status of your battery and the number of charging cycles.

You can find information on maintenance at Shimano at si.shimano.com



The service life of the battery is influenced by the type of use and the number of charging cycles. This affects the range that you can cover with your YOONIT. This is a normal process and does not represent a fault. If the range has been greatly reduced despite a charged battery, its service life has been exceeded. Exchange it for an original part from Shimano.

FRONT CARRIER

Alternative to the standard CARGO HT rack, you can mount the Front Carrier on the front of your Micro. It supports loads of up to 15 kg and is suitable for carrying beverage crates. It features AVS mounting points, allowing you to attach and combine compatible bags, baskets, and panniers.

Components

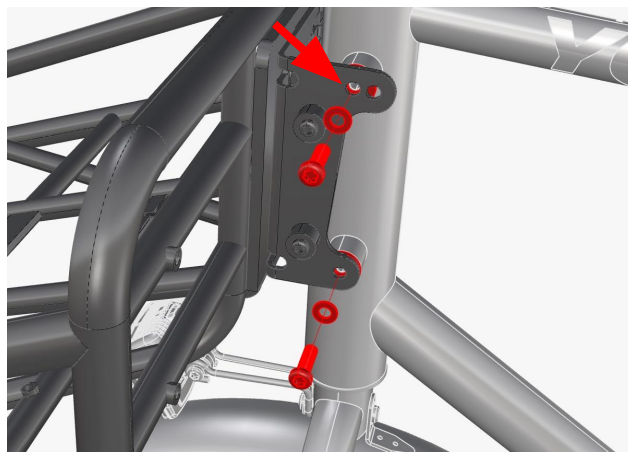
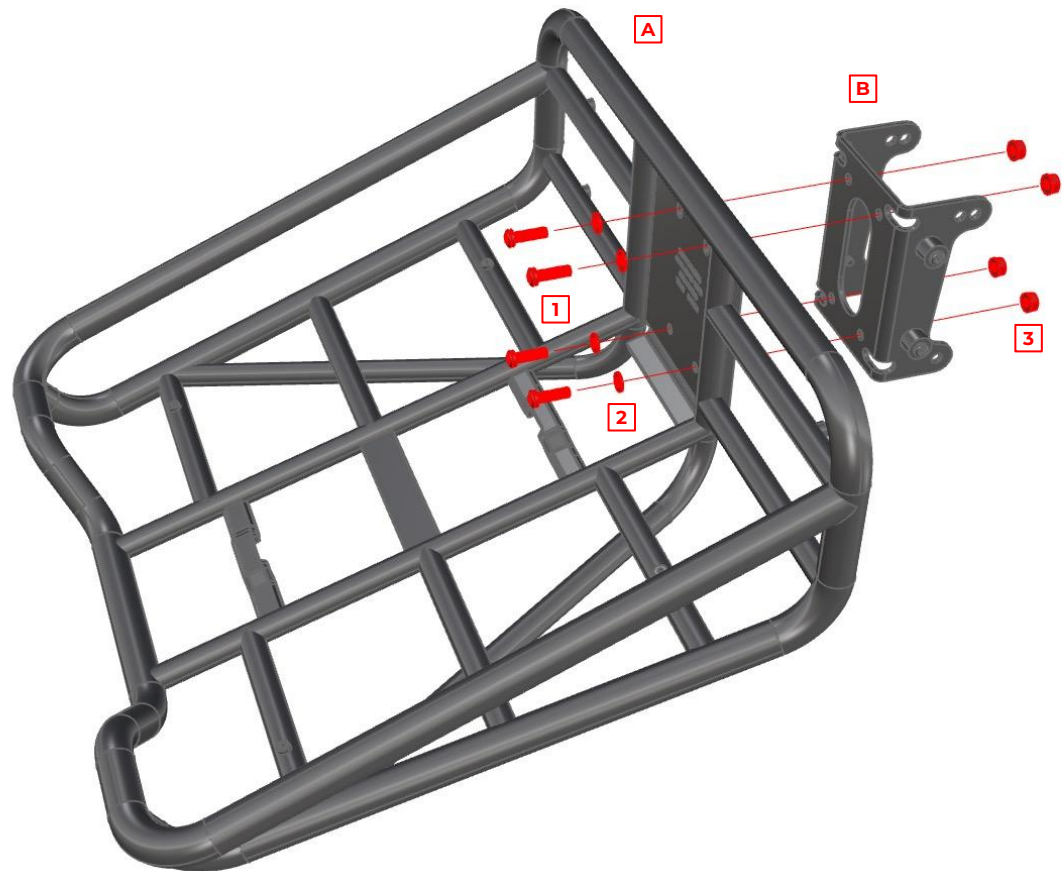
- 1x Front Carrier
- 4x Screw M6x20 [1]
- 4x Spacer M6 [2]
- 4x Lock Nut M6 [3]

Step 1 Pre-assembly

Fasten the Front Carrier [A] to the Front Adapter [B] as shown, using the M6 bolts, washers, and lock nuts.

Step 2 Mounting to the frame

Position the Front Adapter on the frame so that on both sides the front of the two upper mounting holes aligns with the upper frame boss (see arrow). This ensures the Front Carrier has the correct angle for a level loading surface.



Warning: The Front Carrier is designed for a maximum load of 15 kg. Exceeding this limit may cause damage.



The higher the load on the Front Carrier, the greater the centrifugal and leverage forces acting on the front of the bike during riding. Adjust your riding accordingly.

HITCH ADAPTER

An optional stainless steel adapter can be mounted to the left rear dropout of your YOONIT to attach a range of common bicycle trailer hitches. This allows you to expand the range of applications for your YOONIT to include trailers for child or cargo transport.

Components

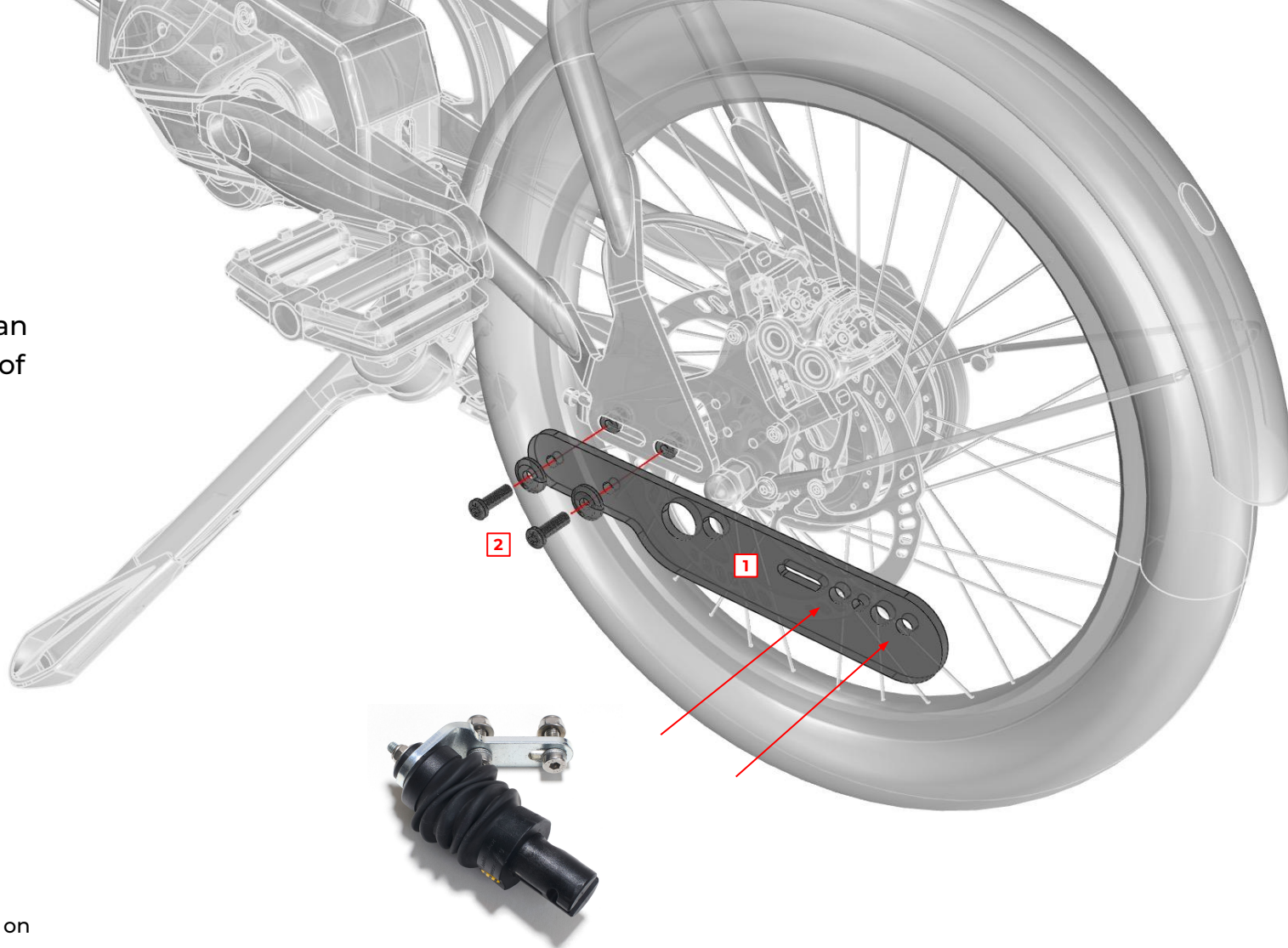
- 1x Adapter plate, stainless steel, powder coated black [1]
- 2x Screw M6x20 [2]
- 2x Washer M8 (for attaching Weber ER hitch)
- 2x Lock Nut M8 (for attaching Weber ER hitch)

Step 1 Preparation

Loosen and remove the two screws and washers on the left rear dropout.

Step 2 Assembly

Place the hitch adapter according to its recesses and holes on the dropout and fasten it using the enclosed M6 x 20 replacement screws. The adapter rests directly on the dropout, followed by the previously removed washers and replacement screws.



The mounting slots on the adapter are designed to accommodate the following hitches:

- Hinterher hitch Nr. 04 - 18/40 up
- Thule
- Weber E
- Weber EH
- Weber ER (installation example)

Mounting other hitch models using M6, M8, or M10 bolts is also possible but must be individually assessed and approved.



The adapter has a maximum trailer load of 80 kg.

PRO Dropouts

The PRO dropouts are optionally available for your YOONIT. They are made of powder-coated stainless steel for extra stability.

The left-side dropout is significantly extended and allows for the installation of a variety of hitches for standard cargo or child trailers (possibly simultaneously).

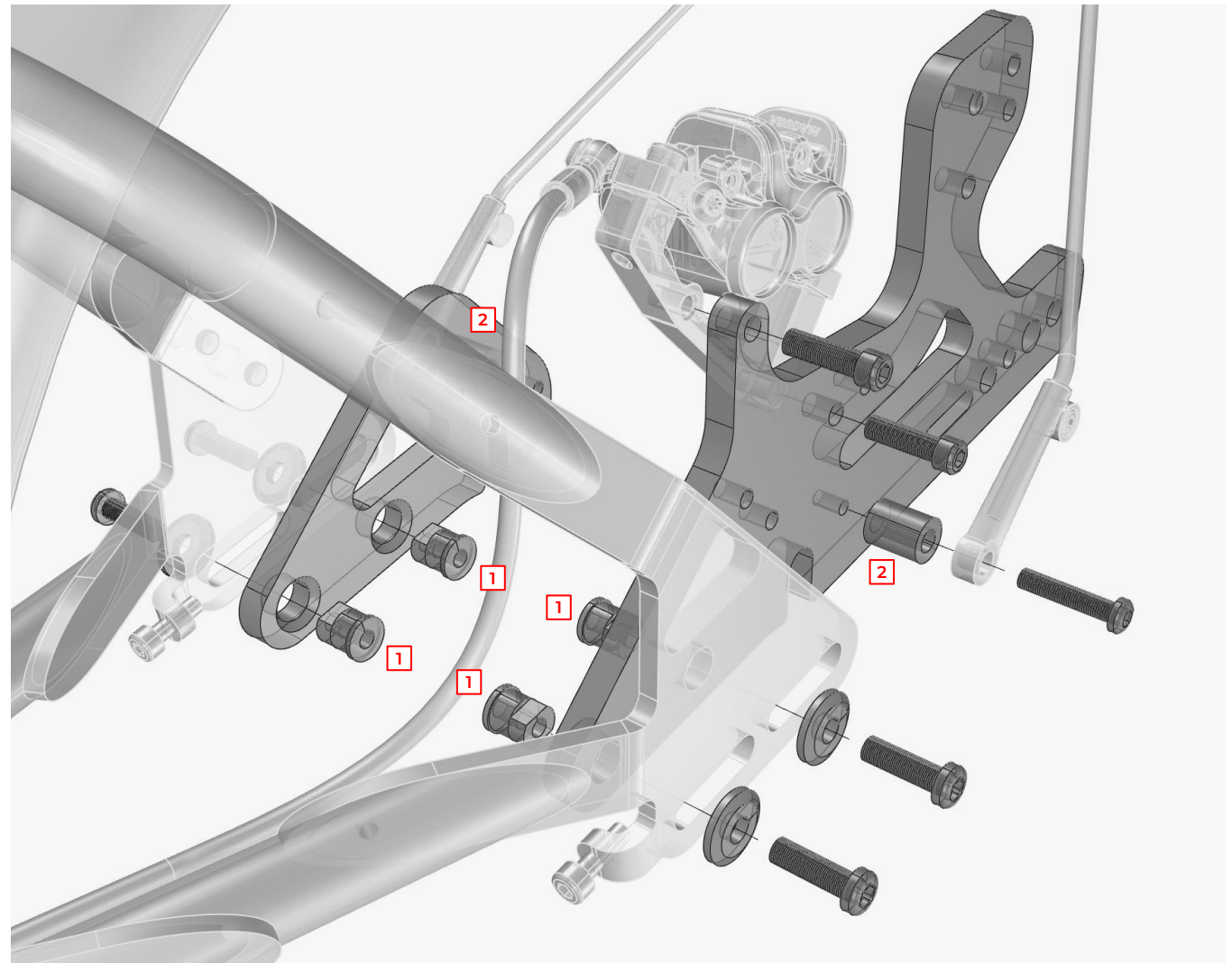
Components

- 1x Stainless steel dropout left, black powder-coated
- 1x Stainless steel dropout right, black powder-coated
- 4x Dropout cylinder head screw M6x16mm
- 4x Dropout washer
- 4x Dropout sleeve [1]
- 2x Spacer M5x10x15mm [2]
- 2x Screw M5x25mm

Step 1 Preparation

Disassemble the rear wheel first. Loosen and remove the brake adapter, including the brake, and both mudguard stays from the YOONIT's standard dropouts.

After unscrewing the dropout bolts and washers, you can remove the dropouts.



Step 2 Assembly

Position the PRO dropouts as shown and secure them with the included M6x20mm cylinder head bolts, washers, and sleeves [1].

Align the sleeves with the parallel milled ends facing outwards so that they rest in the slotted guides in the frame.

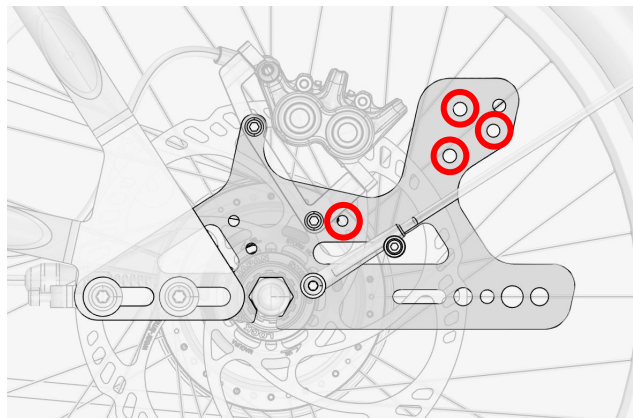
Reinstall the brake adapter using the existing screws.

To mount the mudguard stays, use the included M5x25mm screws and place a spacer [2] between each stay end and the PRO Dropout.

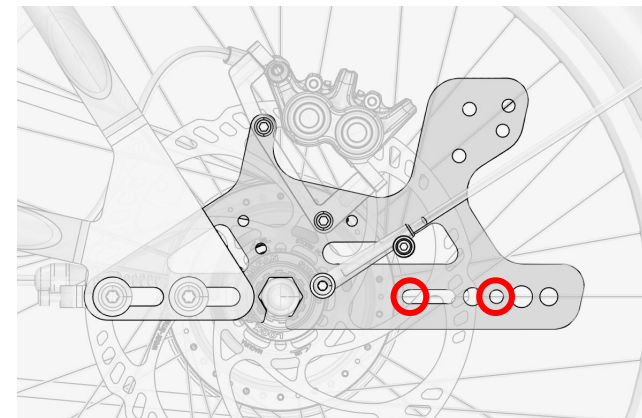
Assembly examples

The illustrations on the right show the mounting points for a selection of hitches.

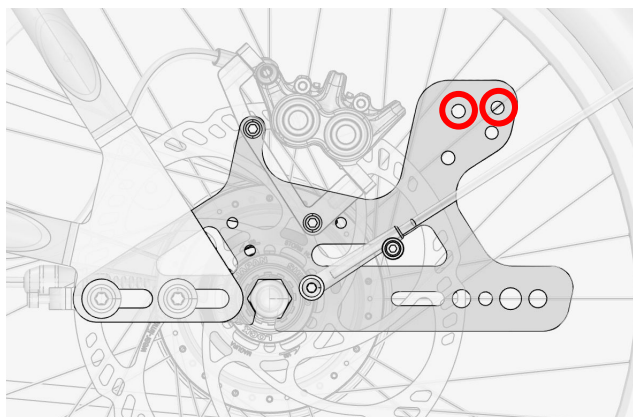
The arrangement of the lower row of holes, in particular, is suitable for various other models.



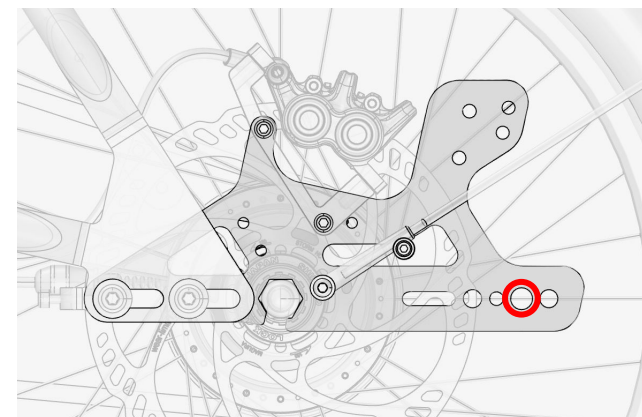
Fleximodal Douze V2



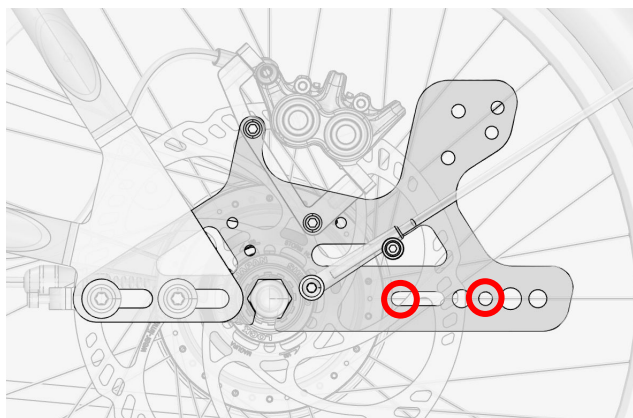
Hinterher hitch Nr. 04 - 18/40 up



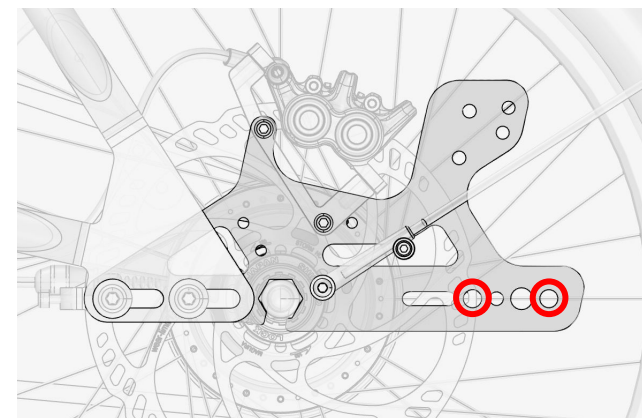
Leggero pulling element Becco



Thule, Weber E



Weber EH



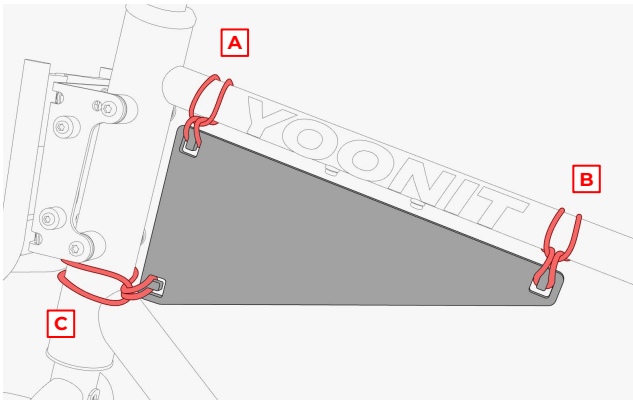
Weber ER

MICRO BILLBOARD

The optional Micro Billboard can be mounted on the frame to allow individual customization with films or stickers.

Contents

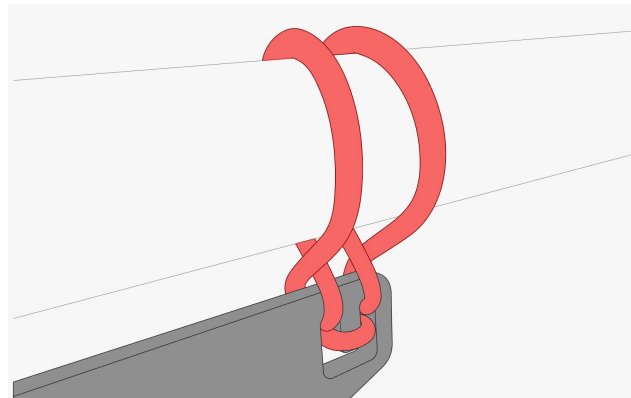
1x Micro billboard, polypropylene, black
1x O-ring, rubber, black, d 125 mm
2x O-ring, rubber, black, d 85 mm



Step 1 Positioning

The billboard is attached to the frame at three points. The two smaller O-rings secure it to the top tube [A, B], while the larger one fastens it to the head tube [C].

Guide each O-ring around the respective tube as shown, forming a loop that can be hooked over the corresponding peg on the board.

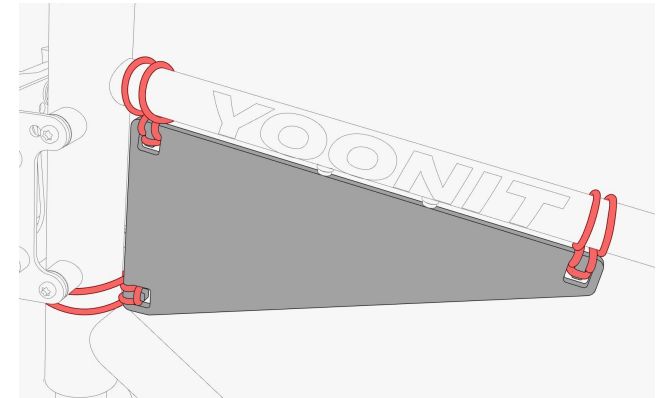


Step 2 Fastening

Pull on the remaining part of the O-ring around the tube to create enough length for a second loop.

Hook this loop over the free end of the peg from the opposite side.

To push the loop through the opening and hook it over the peg, it may be helpful to use a tool such as the tip of a screwdriver or a key.



Step 3 Final adjustment

If necessary, grab the billboard from underneath and adjust it to the middle position on top of the tubes.



The billboard is made of durable, impact-resistant plastic with a fine textured surface. For applying graphics to the billboard, use high-adhesion films such as the Coala Rockmount PVC film.



An exact die-cut template for full-surface application of the billboard is available upon request.

CARE AND CLEANING

To enjoy your YOONIT for a long time, regular maintenance and care is important. Follow these tips to gently clean your YOONIT. If you need any further assistance, please contact us at: **customer@yoonitbikes.com**

Cleaning with clear water is ideal for your YOONIT. The frame can be polished well with a microfiber cloth.

Clean the seat with a damp cloth, more stubborn dirt can be removed with a soap-free cleaner. Do not use harsh detergents.

Only clean the Gates Carbon Drive with water. Unlike a chain, the belt does not need to be greased.

If necessary, you can wipe the contacts of the battery with a damp cloth. However, be sure to wait until you put the battery back in, as the contacts must be dry.



Before doing any work on your YOONIT such as maintenance or care, please remove the battery. Inadvertent activation of the electrical system can result in injury.



Cleaning with a high-pressure device can damage the electrical system. Due to the high pressure, cleaning fluid can also get into sealed parts and damage them.



Oil that gets on the brake discs or pads will degrade the braking effect. Prevent oil from coming into contact with brake discs or pads!

INSPECTION

Your YOONIT is a mechanical device and in everyday use it is exposed to high loads that result in wear and tear. For your safety and the lifespan of your bike, you should follow our instructions for regular inspections. Your service partner is the first point of contact for this.

SERVICE

1. Service – nach spätestens 300 km oder drei Monate ab Verkaufsdatum.
Technical service – after 300 km latest or three month from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

2. Service – nach spätestens 2.000 km oder 12 Monate ab Verkaufsdatum.
Technical service – after 2.000 km latest or 12 month from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

3. Service – nach spätestens 4.000 km oder 24 Monate ab Verkaufsdatum.
Technical service – after 4.000 km latest or 24 month from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

4. Service – nach spätestens 6.000 km oder drei Jahren ab Verkaufsdatum.
Technical service – after 6.000 km latest or three years from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

5. Service – nach spätestens 8.000 km oder vier Jahren ab Verkaufsdatum.
Technical service – after 8.000 km latest or four years from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

6. Service – nach spätestens 10.000 km oder fünf Jahren ab Verkaufsdatum.
Technical service – after 10.000 km latest or five years from the original date of sale.

Auftrags-Nr.
Service number

Datum
Date

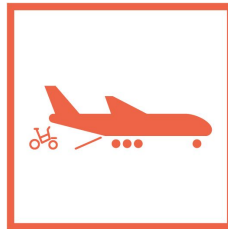
Ausgetauschte oder reparierte Teile,
Bemerkungen
Replaced or repaired parts, comments

Stempel und Unterschrift des Händlers
Stamp and signature of dealer

You will also find the service booklet in the scope of delivery, in which you can have the required service work entered.

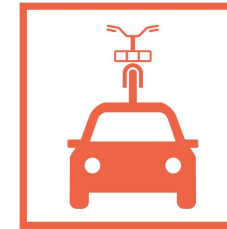
Please note the maintenance and repair intervals that you will find in these operating instructions. They are part of the intended use. Your warranty on the YOONIT expires if the intended use is not adhered to.

TRANSPORT



Air

The battery is classified as hazardous material and must be labeled and transported separately. Check your airline's rules in advance. Special regulations also apply to bikes and e-bikes— please verify before traveling.



Road

With enough cargo space or a suitable bike rack, you can also transport your YOONIT Micro by car. Important: Always carry the battery separately, not installed on the bike. If you transport the YOONIT on a bike rack, make sure it is securely fastened.



Rails

The YOONIT is generally subject to the same regulations as conventional bicycles. We recommend transporting the battery separately throughout the entire ride. Public transit rules may vary by region — please check with the local operator beforehand.

TIGHTENING TORQUES FOR SCREWS

Your YOONIT was assembled with great care and the screws tightened with the appropriate torques. It can happen that individual screws lose their pre-tensioning force due to setting processes and therefore have to be retightened. Your dealer will do this for you as part of the initial inspection. Screws must be loosened and tightened again during maintenance or adjustment processes. The tightening torques given in the table must also be observed here.

Type of component	YOONIT Micro Classic and Special Edition	YOONIT Micro Electric
Rear hub axle bolts	35-40 Nm	35-40 Nm
Adjustable dropouts	13 Nm	13 Nm
Frame opening	13 Nm	13 Nm
Spider Lockring	—	35-45 Nm
Square bottom bracket (Thun Jive)	30 Nm	—
Crank mounting screws	47-54 Nm	12 Nm
Chainring bolts	12-16 Nm	12-16 Nm
Pedals	35-40 Nm	35-40 Nm
Drive unit bracket	—	10-12,5 Nm
Handlebar clamp stem	6-8 Nm	6-8 Nm
Ahead stem clamping head tube	6-8 Nm	6-8 Nm
Stem adapter	6-8 Nm	6-8 Nm
Brake lever	3 Nm	3 Nm
Caliper and adapter	6-8 Nm	6-8 Nm
Lockring rotors	40 Nm	40 Nm
Saddle clamp	8 Nm	8 Nm

WARRANTY AND GUARANTEE

Liability for defects

Your bike has been manufactured with great care and will largely be handed over to you pre-assembled. In order to guarantee the intended durability and service life, the bicycle must only be used for its intended purpose. According to the law, we undertake to deliver bicycles that are not defective, so that their value and suitability are not impaired.

During the first 2 years after purchase, you are entitled to the statutory warranty. For this purpose, keep the proof of purchase and the documents carefully.

The instructions for assembly (e.g. torque of the screws) and the described inspection in the prescribed maintenance intervals must be observed.

We wish you a good trip and lots of fun with your YOONIT. If you have any questions, we are there for you:

+49 40 53027341 and
customer@yoonitbikes.com

AFTER THE LAST TRIP

Your YOONIT was designed in such a way that you can enjoy it for as long as possible. With good care, it can be with you for many years. At some point, however, the time will come when a repair is no longer possible or no longer makes economic or ecological sense. Then your YOONIT must be shut down and properly disposed of. Only in this way can the materials used be fed back into the material cycle, from which new things can arise.

Disposal of the battery

Batteries that are no longer usable must be collected separately in accordance with European Directive 2006 & 66/ EC and recycled in an environmentally friendly manner. Your specialist dealer will help you dispose of your battery.

Frame and bicycle components

Electrical and electronic equipment that can no longer be used must be recycled in an environmentally friendly manner, in accordance with EU Directive 2012/19/EU. This includes the electronic components, the drive unit of your YOONIT Electric and also the battery charger. In Germany, you can return your YOONIT to municipal collection points for professional disposal at the end of its service life.



Never dispose of your used battery in the normal household waste!



As a rule, you are not allowed to send the battery as a parcel! If in doubt, ask your shipping service provider for more information.

IMPRINT

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The operating instructions for your YOONIT can only be accessed digitally. This makes ecological sense and we can guarantee that it can be constantly updated and that you are always up to date.

Of course, you can also print it out yourself. But please pay attention to whether it is absolutely necessary.

These operating instructions cover the requirements and scope of DIN EN ISO 4210 and DIN EN 15194:2017+A1:2023.

For delivery and use outside of these areas, the manufacturer of the vehicle must include the necessary instructions.