

huka
BIKES

A man and a woman are riding a yellow and silver Huka Duet tandem bicycle on a cobblestone street. The man is seated in the front, wearing a light blue jacket and glasses, while the woman is seated behind him, wearing a pink top. They are both smiling. The background features a historic brick building with a prominent cylindrical tower and a modern brick building with large windows. A black lamppost is visible on the right side of the street.

User manual Duet

Huka makes your world easier www.hukabikes.com

Your notes

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

EXTEND YOUR
STANDARD
WARRANTY
10 YEAR

www.hukabikes.com



Congratulations on your new Duet

Want to cycle carefree and experience the freedom, independence and stability you used to? With your Duet, we want to make your world easier. Probably you would rather go cycling than read the manual. That is why we have put together a manual for you that covers the most important topics.

To get the most out of your wheelchair bike, I will sometimes give you a few tips, so that you can continue to cycle safely and have fun.

We are curious about your experiences and where you like to cycle. Would you like to share it with us on Facebook? We love to hear from you!

We wish you lots of cycling fun!

Kind regards,

Murat
Creator of the Duet



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General

INDICATION & APPLICATION

Your Duet is a combination of a bicycle with a stable and comfortable detachable wheelchair. The bicycle has been developed specially for people who want to go out and unfortunately cannot cycle independently because they are dependent on a wheelchair or other seating facility.

- The Duet complies with all laws and regulations applicable to the use of public roads. Using the Duet as a racing or cross bike falls outside the normal use and responsibility of Huka.
- It is your responsibility to act according to the specific safety requirements of the country you are cycling in. This also applies to possible insurances according to the relevant legislation including a correct equipment of yourself and your wheelchair bike that the country in question requires.
- The driver must be independently mobile and must not have any physical or mental challenges that would make safe participation in traffic impossible, such as an (audio) visual impairment.

WARRANTY

Huka has a standard 5 years guarantee on the frame of your Duet. Besides that you have a 2 years guarantee on the battery and other parts. All warranties will be executed by your Huka dealer.

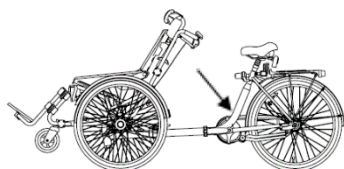
- The guarantee does not apply to damage or defects to the Duet that have been caused by wrong or injudicious use. The assessment of this lies with Huka B.V. or one of its representatives.
- The guarantee does not apply to parts that are subject to wear and tear, such as the chain, brakes, and tires.
- Under no circumstances will Huka be liable for any special or consequential damages resulting from the Duet's user's negligence. Even if Huka has been informed about such damages.

- Applicable law may not allow the limitation or exclusion of liability or damages. Therefore, the above limitation or exclusion may not apply to you.
- Warranty and product liability in general may be voided if instructions in this manual are not followed. This is the case when maintenance work, technical changes, or additions to the bicycle have been carried out with non-original Huka parts without Huka's permission. It also means that the CE-marking has expired. The lack of a CE-declaration can lead to problems with the insurance of the bicycle and with possible damage or liability.

TIP FROM MURAT Write down the frame number of your Duet below. The number is important for guarantees, repairs or in case your wheelchair bike is stolen to report to your insurance company. The number can be found just above the bottom bracket on the back of the seat post on the frame tube.

Frame number

Key number




Location identification sticker



Huka BV
Munsterstraat 13, 7575 ED Oldenzaal
The Netherlands, Tel: +31 (0) 541 572472
SRN: NL-MF-000003494

Type/Typ :

Max gewicht/Max weight KG :

 2023-07
SN 2307184



Example identification sticker

EU DECLARATION OF CONFORMITY

Manufacturer:	Huka B.V.
Address:	Münsterstraat 13, 7575 ED Oldenzaal, Nederland
SRN:	NL-MF-000003494
Product type:	Wheelchair bike
Device name:	Duet
Basic - UDI:	8720589794047
Risk class:	Class 1

Huka uses the following procedures for the CE marking of their products according to Regulation MDR 2017/745: Class 1: according to (EU) 2017/745 Annex VIII. This declaration of conformity is issued under the sole responsibility of Huka. We hereby declare that the medical device (s) specified above comply with the provisions of Regulation (EU) MDR 2017/745 for medical devices. This declaration is supported by the certified quality system according to ISO 13485: 2016 issued by "het Keurmerkinstituut" and the relevant sections of the following harmonized standards: EN-ISO 14971: 2012 and EN 12182: 2012. All supporting documentation is kept on the manufacturer's premises.

Signed on behalf of Huka on April 6, 2023 at Oldenzaal, The Netherlands



R. Lotgerink,
Managing Director



First bike ride on the Duet

The time has come. Your first experience on your own Duet! Whatever bike ride you do, your safety comes first! If it is your first time cycling on a Huka wheelchair bike, you may have to get used to it. The most important tip we can give you is that you should relax as much as possible while cycling. To make sure everything goes as smoothly as possible, we give you a number of instructions.

TIP VAN MURAT Before you start cycling, make sure that the handlebars and saddle of the rider and the seat of the co-driver are well adjusted. A good basis for cycling starts, in addition to a safe bike, by adopting the right position on the bike.

SAFE ON THE ROAD

As well as your dexterity on the Duet, which will improve as you use it, it is important that your wheelchair bike is in optimum condition when you hit the road. We recommend that you take the following aspects into account:

- The driver must be at least 16 years old,
- Before each use, check the condition and function of the brakes, tires, rims and steering system and whether the brake cable is in the cable clamp.
- Please note that the braking characteristics change and the braking distance may increase with, for example, a slippery road surface and/or greater weight.
- The turning circle of the Duet is larger than that of a two-wheeler.
- If you want to turn the bike, the cyclist can get off and lift the bike part.
- Make sure that any luggage is securely fastened and cannot shift.
- Cycle on flat and firm paved surfaces and avoid deep potholes, high thresholds, sloping sides and puddles of water.

- Descend a slope at a moderate speed so that you can always come to a stop in time and safely.
- Adjust your speed before turning so that all wheels stay on the ground. Leaning in helps with this.
- For safety reasons, the Duet should not be ridden by the cyclist alone.
- Always lock your wheelchair bike when parking it using the cable lock. Use the parking brake to prevent it from rolling away.
- When the Duet is used by children or young people, we advise to wear reflective clothing or a reflective jacket.
- The passenger must wear a seatbelt when cycling.
- Wear a suitable bicycle helmet.
- The Duet is largely made of steel, which is considered non-flammable. Other materials such as plastic, rubber etc. are not fireproof.



Never be tempted to drive too enthusiastically on the roadway, such as driving up and down pavements. This can cause (in)visible damage to your Duet, which entails extra risks.

GETTING ON AND CYCLING

Always use the parking brake when getting on or off the bike. This way you can get on and off the bike more safely. Put it in first gear (if important), so that you can pedal more lightly.

- When you get on as a rider, lift your foot to the other side so that your feet are on either side of the wheelchair bike. Then put your strongest leg on the lowest pedal and sit down on the saddle.
- As soon as you are seated and want to cycle, remove the wheelchair bike from the parking brake.
- Stay upright at all times and keep your feet on the pedals. Even when you brake or stand still.

TIP VAN MURAT When cycling, steer with your arms and not with your body. Cycling into corners takes some getting used to. In order to maintain stability, lean your body slightly towards the inside of the bend. Be careful when making short turns. Adjust your speed. Avoid sudden and violent steering movements. In this way, you can avoid accidents and damage.



Due to safety reasons, such as altered cycle stability, the coupled version of the Duet is not allowed to be used by the rider alone.

TIP FROM MURAT If you are using the Duet without pedal assistance and you change gears, make sure you stop pedaling and select the desired gear. Do not continue pedaling when changing gears. This can damage the gearshift mechanism. Damage to the gear hub as a result of abuse is not covered by the warranty.

BRAKES

Here we give some instructions on the different braking possibilities.

- Front brake: To brake with both front wheels, squeeze the left brake lever.
- Rear brake: to brake the rear wheel, squeeze the right brake lever (if available).
- Parking brake: in addition to getting on and off the wheelchair, the parking brake should be applied as soon as you want to hitch up or dismount. To do this, squeeze the left-hand brake lever and push the pin down into the lever. Now release the brake lever.



Always use the parking brake when getting on or off the bike. This prevents the bike from rolling away when you get on or off the bike. This reduces the risk of falling.



Apply the parking brake at all times when the wheelchair must be coupled or uncoupled.



Do not engage the parking brake when parked. This may damage the hydraulic system.

CYCLING WITH PEDAL ASSISTANCE

If your Duet has pedal assistance, the electric motor is activated as soon as you start pedaling. Pedaling becomes lighter. When you stop pedaling, the assistance stops as well.

- The support can be set at different levels using the arrow keys on the handlebar.
- The pedal assistance is switched on by pressing the 'On/Off' button for 3 seconds.
- To switch off the pedal assistance, press and hold the 'On/Off' button for 3 seconds.

DISPLAY

If your Duet has pedal assistance, the display will indicate how much energy is left in the battery. You have five levels of support. The display also shows the speed, trip distance and total distance. With the plus and minus button, you can choose the level of support (see display).



Battery indication
display with control

WALK ASSIST

The walk assist is designed to make it easier to walk next to the bike and the motor drives the bike to 4km/h.. The walk assist is activated by pressing the minus button several times until a small figure appears in the display. Then hold the minus button for the time you need the assist.



Exposure to strong sunlight can cause various materials to become very hot.



The product contains moving parts. These include the steering wheel, wheels, etc. Be alert to the risk of crushing.



Vigilance is recommended when using electrical equipment such as a mobile phone when the electric drive is switched on.

ADJUSTING THE FOOTRESTS

The footrests are foldable and height-adjustable. The footrest can be folded away to the side to make it easier to get on and off the vehicle.

- Pull out the pin (1) and fold away the footrest. When closing, replace the pin.
- The height of the footrest (2) can be adjusted on the footrest frame as well as on the Duet by sliding the fixing blocks (3).

ADJUSTING THE FOOTBOARD

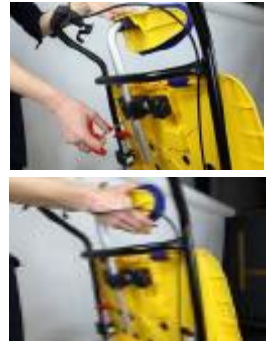
The footboard can be moved and its angle adjusted.

- If you want to move the footboard, you can unscrew the Allen bolts above the footboard. Take the footboard off and put it back in the desired position.
- At the bottom of the footboard there are 2 mounting blocks. To adjust the footboard, loosen the socket screws, adjust the angle and then tighten the socket screws again.

ADJUSTING THE HEADREST

The headrest is adjustable in angle and height.

- To do this, loosen the socket head bolts of the mounting blocks (1).
- Then adjust the height and angle of the headrest and tighten the bolts again.



ADJUSTING THE BACKREST

The backrest is adjusted as follows:

- The backrest must engage audibly. A backrest that is not properly latched can lead to dangerous situations.
- The seat shell can be removed by unscrewing the clamping plate.
- The backrest angle is adjusted by first pulling out one of the two catches (1) and turning it 90°. This blocks the spring bolt.
- Then release the second snap and let it rest in the desired back position (2).
- After turning it 90°, let the other buckle rest again. The clasp should click audibly into the sleeve.
- After releasing both catches, you can fold the back rest completely forwards. This makes it easier to store and transport.



Product description

Your Duet consists of several parts. The most important parts are described in this chapter.

BICYCLE FRAME

The frame of the Duet consists of a tubular metal construction with aluminum and stainless steel components. Most of the metal parts are phosphated and then provided with an impact-resistant powder coating.

This construction and finish guarantee years of cycling pleasure.



Regularly check tire wear and tire pressure to ensure safe cycling. Tire pressure and tire wear have a major influence on the handling of the wheelchair bike.

WHEELS AND TIRES

The wheels are equipped with quality hubs, stainless steel spokes and an aluminum rim. On these rims, A-quality anti-puncture tires are mounted. These ensure a good grip, low rolling resistance and less wear. The wheels of the wheelchair can only be replaced by a Huka dealer.

TIP VAN MURAT Regularly check tire wear and tire pressure to ensure safe cycling. Tire pressure and tire wear have a major influence on the handling of the wheelchair bike.

SPOKES

Correct tension of the spokes ensures a stable wheelchair bike. Because of the functioning of the new spokes, the wheels of your Duet need to be checked after 200 kilometers or 2 months. Your Huka dealer can take care of that. Should a spoke break or become loose, consult your Huka dealer immediately.

CHAINCASE & CHAIN

The chain guard is specially designed for the Duet and made of impact-resistant plastic. The chain guard protects the chain from dirt and water and also ensures that the chain cannot dirty your legs or clothes. With a good chain tension, your Duet will pedal lightly and you will not hear the chain. If you notice that the chain is too slack, have it adjusted by your Huka dealer.

BRAKES

The Duet is fitted with a back-pedal brake on the rear wheel and hydraulic disc brakes on the front wheels. Your Huka also has a parking brake that works with the disc brakes and that you use when you get on or off the bike. The back-pedal brake is omitted if you choose a model with pedal assistance, optionally a second handbrake for the rear wheel can be added.

TIP FROM MURAT Brakes can wear out over time and are very important for safety when cycling. That is why you should have your brakes checked regularly and, if necessary, adjusted or replaced. A Huka dealer can help you with this.



Always ensure that the parking brake is activated when getting on or off the bike. This prevents the wheelchair bike from rolling away.

BOTTOM BRACKET, CRANKSET AND PEDALS

- The bottom bracket bearings that Huka uses are completely maintenance-free and cannot be adjusted. If the bearing does get loose, go to your Huka dealer immediately. If there is play between crank and bottom bracket, take off the dust cap and tighten the underlying bolt with a socket spanner.

- Most pedals are maintenance free. Is there too much play? Then consult your Huka dealer. When assembling the pedals yourself, pay attention to the indications L (left) and R (right) on the pedal axles. You turn the left pedal counter-clockwise to tighten. You tighten the right pedal clockwise. To do this, use a socket spanner 15 or a special (narrow) pedal spanner.
- Various (modified) pedals are available as an option.

GEARS

Your Duet is standard equipped with 3 gears with back-pedal brake (as an option 8 gears) or rim brake in the rear wheel. Upon delivery your Huka dealer has checked and adjusted the gears. The explanation of the gear hub can be found in the Shimano manual.



Het afstellen van de versnellingsnaaf is zeer specialistisch werk. Dit dient uitsluitend door een Huka dealer te worden uitgevoerd.

SADDLE

The rider's saddle is adjustable for height, depth and angle. It is very important to adjust the saddle correctly in order to cycle efficiently, comfortably and safely. A different saddle model is optional.

HANDLEBAR

The handlebar of the Duet is made of steel. The handlebar is height adjustable.



The saddle and handlebars must always be properly secured. Check this regularly. A loose saddle and/or handlebar can create an unsafe situation.

WINGS

The mudguards are made of impact-resistant plastic and are fully colored. Splashing water is stopped, so that the clothing does not splash under.

LIGHTING

The Duet is equipped with battery-operated LED lighting with low energy consumption. The batteries (type AA) are available from various shops. If the bicycle is equipped with pedal assistance, the rear light is powered by the bicycle battery.



Remember to change the batteries in good time to avoid dangerous situations in traffic. Without batteries, the lights will not work. Make sure that old batteries are disposed of properly.

LUGGAGE CARRIER

The luggage carrier is made of aluminum. There are various options for carrying luggage.



If you use the luggage carrier, distribute the luggage as well as possible. The maximum load for this is 20 kg. The total maximum load for the Duet is 80 kg co-driver + 100 kg driver + 20 kg luggage = 200 kg.



Always make sure the lights and reflectors are visible. The luggage must also be properly secured. Badly secured luggage can be dangerous in traffic. Straps or belts should be properly secured to prevent them from getting into the wheel.

ELECTRIC PEDAL ASSISTANCE

The Duet can be fitted with electric pedal assistance. The wheelchair bike is equipped with an electric motor in the rear wheel and a battery pack in the carrier. A clear display with controls is mounted on the handlebar.

PAS VARIO PEDAL ASSISTANCE

With the Pas Vario pedal assistance, you pedal along and the pedaling is supported by the electric motor in the rear wheel. The degree of support can be adjusted with the +/- control buttons on the handlebars and can be read on the display. The bicycle is equipped with a 43V 750wh Li-ion battery mounted under the carrier.



Display and control
on the handlebar



Engine in the rear



Battery pack

WHEELCHAIR CENTRE OF GRAVITY

When hitching or unhitching the wheelchair, you should first apply the parking brake. Squeeze the left brake lever, push the pin down and release the brake lever again (see picture).



Parking the
wheelchair



Brake lever on pin

DISCONNECTING THE WHEELCHAIR

To disconnect the wheelchair bike, follow these steps:

- Put the wheelchair on the parking brake (photo 1 and 2).
- Remove the rear brake handle (if present) by pulling out the locking pin and removing the handle (photo 3 and 4)
- Remove the brake cable from the cable clamp (pic 5).
- Place the brake lever on the pin under the saddle (pic. 6)
- Open the lock handle and then carefully lower the wheelchair forwards (see pictures).
- Now put the bike on the center stand.
- You then let go of the bicycle part. The lock handle should be set so that it can be opened and closed with a little force.
- The tension of the bracket can be adjusted by means of the nuts (pic. 7).



Snap the locking mechanism



Disengaging the brake handle



Remove brake cable



Hang in the frame tube



Remove safety pin



Pull up locking lever



Pull lever behind locking device



Fold away lever
behind latch



Lift the frame out of
the lock



Setting frame on
stand

CONNECTING THE WHEELCHAIR

When hitching up the wheelchair, first of all put on the parking brake. Then follow these steps:

- You connect the wheelchair by hanging the hook in the receiving part of the wheelchair. Then carefully tilt the wheelchair backwards until the coupling part is connected.
- Then hook the locking bracket behind the attachment and close it. Then push the locking pin through the lock bracket.
- Remove the rear brake handle (if any) from the pin under the saddle and place it on the handlebar on the right.
- Pull out the lock pin and turn the lever so that it engages with a clear click. Next, place the brake cable in the cable clamps.

ACCESSORIES

Your Duet can be expanded with various accessories. For example, an armrest set, headrest, or other belts in addition to the standard lap belt. You can find more information about this on the price list on our website or contact our sales support via telephone number +31 (0)541-572 472.

SECURING PARTS

It is important that crucial parts of the wheelchair bike are fastened correctly. These parts must be tightened with the correct torque. The table below shows the values for these tightening torques.

Section	Tightening torque (nm)
Quick release seat post	hand-tight
Plastic clamping blocks for steering wheel and footwell	8 (max)
Rear wheel nuts (without/without electrical assistance)	25/50
Wheel nuts front	30



Failure to properly tighten components can lead to unsafe situations. Observe the prescribed tightening torques.



Pay special attention to tightening the rear wheel nuts with 50 Nm if an electric support system is fitted.

Optimal use

When you deliver your new Huka, the parts have to be adjusted to your body and tuned to your wishes. To make sure you sit comfortably, there are adjustment possibilities for the saddle and handlebars.

ADJUSTING SADDLE HEIGHT

1. Pull out the quick release lever.
2. Pull or push the saddle to the desired height. The seat pillar should reach into the frame by at least 10 cm, without the safety marking being visible.
3. Push the lever in as far as possible to lock the saddle.



When adjusting the height, make sure that the seat post protrudes enough into the frame so that the safety marking "MIN" is not visible.

TIP FROM MURAT A good rule of thumb for saddle adjustment is to sit on the wheelchair bike with the crank in line with the saddle tube. With your heel on the pedal, you should not be able to extend your leg.

ADJUSTING THE SADDLE DEPTH

1. Loosen the saddle bolt slightly with a box spanner or an Allen key so that the saddle can move.
2. Pull or push the saddle to the desired position.
3. Tighten the seat bolt securely.

ADJUSTING THE SADDLE ANGLE

1. Loosen the saddle bolt slightly with a box spanner or an Allen key so that the saddle can rotate.
2. Tilt the saddle to the desired angle.
3. Tighten the seat bolt securely.



Seat height via quick-release lever.



Adjusting saddle depth and angle



Saddles and handlebars should be firmly secured. Loose saddles increase the risk of dangerous situations in traffic.

A good posture also depends on the correct handlebar height, which can be adjusted.

- The handles should generally be at the height of the rider's waist.
- The handlebars should not touch the knees while riding, even when cornering.

SETTING THE HANDLEBAR HEIGHT

1. Use an Allen key to loosen the bolts of the clamping blocks slightly so that the handlebars can slide.
2. Slide the handlebar into the desired position. Make sure that the handlebars remain sufficiently in the clamping blocks.
3. Tighten the bolts again to a maximum of 8 Nm.

Best maintenance Duet

You can create optimal riding comfort by maintaining your wheelchair bike properly. In this chapter, we will show you the best way to go about this. We also advise you to have your annual maintenance carried out by your Huka dealer. They will check the Duet for functionality, safety and possible wear and tear.



After about 200 kilometers or after 2 months you should have your first service carried out by your Huka dealer. They will inspect the screw connections, chain- and spoke tension, etc. If you have the maintenance done by a non-Huka dealer, this can affect the guarantee.

CLEANING

Clean the wheelchair bike regularly. This can be done with lukewarm soapy water in combination with a mild cleaning agent. The rims can be cleaned with lukewarm water and/or a soft brush. Do not use a wire brush. This will damage the rims. The use of a high-pressure cleaner is not recommended. The high pressure will blow the grease out of the bearings, among other things. Rinsing with a garden hose is fine, as long as the jet is not too powerful.

TIRE PRESSURE & PROFILE

Regularly check the tire pressure and the tire profile for optimum grip on the road. This will prevent unnecessary wear on the tires of your Duet. It is also a more pleasant ride and you will be able to react better to braking and steering movements. The correct tire pressure is reached when you can press the tire with your thumb. The Duet can be inflated with a normal bicycle pump. The desired tire pressure for large wheels 47-559 is 3.5 bar. The swivel wheels have solid tires and do not need to be checked for pressure. Only on profile. After inflating check that the valve does not leak. To do this, smear some saliva on the valve tube. If a bubble appears, the valve is leaking and must be replaced. If the profile is less than 1 mm deep, the tires need to be replaced. Your Huka dealer can help you with this.

TIP FROM MURAT Contact your Huka dealer immediately in the event of a defect. Do not use the wheelchair bike, or use it as little as possible, until the malfunction has been solved.

FIXING A TIRE

Did you find out that one of the Duet's tires is flat? Your Huka dealer can of course fix it. But if you want to do it yourself, here are the instructions.

You need: a repair kit (with tire levers, glue, stickers and sandpaper, a jack, scissors, a pump and a bucket of water).

- Deflate the tire and unscrew the valve.
- Place the first tire lever next to the valve (between the tire and the rim) and hook it behind a spoke. Do the same with the second tire lever (about two spokes further on). Using the third tire lever, carefully rock the tire off the rim.
- Remove the tire from the rim. Check that there is nothing sharp (glass, nail, etc.) on the inside of the tire. Remove the inner tube from the wheel.
- Inflate the tire and search for the leak by holding the tire under water. The leak is in the area where air bubbles appear.
- Drain the tire and lightly sand the spot of the puncture. Put some glue on the tire and leave it for two minutes.
- Use a ready-made sticker or cut a circle out of the piece of tape. Stick this onto the puncture and press firmly. Let it dry for 5 minutes.
- Replace the valve in the rim and put it back together (wait with tightening the thin nut until the tires are back on the bike).
- Inflate the inner tube slightly and place it in the outer tire. Push the outer tire all around the rim. Start at the valve and slowly work your way around.
- Inflate the tire to the correct pressure. Check whether the tire lies properly on the rim. Tighten the small nut on the valve. The tire is now glued!

WHEELS

The wheels are responsible for the lightness and comfort of the ride. Properly inflated tires and tightly tensioned spokes are important for optimal cycling comfort.

TIP FROM MURAT Before riding, check that the wheels run smoothly and do not creak when riding. Squeaking sounds usually indicate a loose spoke or a defective bearing. Contact your Huka dealer in this case

SPOKES

The spokes should be checked for tension once a month. A loose spoke usually gives cracking noises. A loose spoke can cause the rim to warp, which affects the ride. The spoke check is easy to perform by strumming your finger along the spokes like a guitar. A spoke with a different tone will probably be loose. Your Huka dealer can then take care of the repair.

CHAIN

The chain should be cleaned and lubricated once a month. Besides that, the chain tension needs to be checked regularly. We advise you to have this work done by a Huka dealer.

BRAKES

Regularly test the functionality of the brakes. A slackly adjusted brake does not brake sufficiently. The rear brake can easily be adjusted a bit tighter with the adjustment bolt on the underside of the right-hand brake lever.



Can the brakes not be adjusted or is the Duet still not braking properly? Have your Huka dealer check and adjust them.

CHARGING THE BATTERY

If your Duet has pedal assistance, check before you start cycling that the battery is still charged sufficiently. Depending on the capacity, charging the battery takes between 3 and 6 hours. Always use an original battery charger.

TIP VAN MURAT Low ambient temperatures have a detrimental effect on battery charging. If the temperature is below 10 degrees, it is best to take the battery indoors and charge it at room temperature

PARTS REPLACEMENT

Is your Duet broken or do parts need to be replaced? We advise you to have this done by your Huka dealer. This will prevent the factory warranty from expiring.

For replacing the inner tube and/or outer tube you need to apply the following sizes:

- Inner and outer size front wheel: 47-559.
- Inner and outer tubes rear wheel: 47-559.



Always have original Huka parts mounted on your wheelchair bike. Your Huka dealer can order and mount them directly.

LIGHTING

The Duet is equipped with battery-operated LED lighting with low energy consumption and long life. In time, the batteries need to be replaced. These are available from various shops.

The headlight batteries are replaced by unscrewing the screw at the bottom with a coin or screwdriver. Then follow the steps below. Then replace the fixing bolt in the housing and tighten it.



Unscrew the nut



Tilt up
headlamp



Replace
batteries



Hook up and close
headlights

If your Duet is equipped with pedal assistance, the rear light is powered by the battery. If your bicycle is not equipped with pedal assistance, replace the batteries of the rear light by following the steps below:



Push down
clamp



Unhook back
light panel



Changes batteries.
Mind the + and –
of the batteries



Hook in the back
light and push to
lock.



Incorrectly installed batteries can cause a defect in the headlight. So always pay attention to the + and - signs on the battery.

MOVING AND CARRYING THE BIKE

To move or carry the bike, you can grab it by the carrier at the back and by the head tube at the front. We recommend that at least two people should carry the bike. Due to the weight, it is not possible to lift the bike on your own. Only lift the fixed parts and do not lift the accessories, for example.

Specifications

	Standard version
Frame material	Anti-corrosion treated steel
Finishing	outdoor quality epoxy powder coating
Wheels	Aluminum rim with stainless steel spokes
Tires	Schwalbe Marathon Plus (anti-leak)
Lighting	LED battery lighting front and rear
Bell	sporty and light bell
Mudguards	impact-resistant and dimensionally stable plastic
Chain protection	shockproof enclosed plastic chain guard
Handlebar	metal handlebar with brake bar
Saddle	Velo Plush, adjustable height
Seatpost	suspended seat post 350 mm
Pedals	metal with anti-slip
Brakes, standard version	disc brakes front, coaster brake rear
Brakes, electric version	disc brakes front, rim brake rear
Gears	3-speed hub with back-pedal brake
Bicycle part	two-legged stand, seat post and cable lock
Wheelchair part*	seat shell with belt and footrest
Divisible frame	Standard with quick coupling
Lock	AXA cable lock

Options	see price list for various options	
*Including height-adjustable and swing-away footboard, washable padding and pelvic belt.		
	Bike part	Wheelchair part
Total length in mm (H)	2350	
Total width in mm (M))	700	
Weight in kg	41	
Maximum total load in kg	180	
Maximum load in kg	100	100
Crank length in mm	170	
Inside leg length in mm (F) (D)	780-930	100-550
Saddle height to ground in mm	910-1060	
Entry depth in mm	520	
Step height in mm	390	
Handlebar height in mm (G)	810-1110	
Seat width in mm (A)		450
Seat depth in mm (B)		400
Back height in mm (C)		550
Tire size in ETRTO	47-559	47-559
Tire size in inches	26 x 1.75	26 x 1.75
Tire size swivel castor		200 x 50

Other subjects

TIP FROM MURAT Do you have questions about the maintenance of your Duet? Your Huka dealer will be happy to support you. In this manual we also give you tips on how to maintain your wheelchair bike.

CONTACT DETAILS HUKA

Do you have questions about the development of our product? Or do you have suggestions to improve our Huka-bikes? Then please contact us.

Munsterstraat 13
7575 ED Oldenzaal, the Netherlands
+31 (0)541-572472
info@hukabikes.com
www.hukabikes.com

For questions about the maintenance of your Duet, we refer you to your Huka dealer.

CHANGES

Huka uses the philosophy of continuous product development and improvement. That is why the product delivered may deviate from the illustrations shown. Huka BV reserves the right to make changes to the product as described in this manual. No liability is owed for this. Misprints reserved.

For the latest version of the manual, please visit
www.hukabikes.com/warranty

PRODUCT REMOVAL

Do you no longer use the Duet? Then contact your Huka dealer. They can guide you with a possible sale or trade-in. If you want to dispose of your Duet, you can also contact your local waste disposal company. They will dispose of the bike according to the regulations and laws of your place of residence.



If you want to replace the batteries of your bicycle, please note that this is chemical waste. Therefore, make sure it is disposed of properly by handing in the battery at your designated location.

SELLING THE DUET

If you want to sell your Duet to another user, it is important that you hand over all the necessary technical documentation so that the new owner can use the wheelchair bike safely.

Have your wheelchair bike checked by your Huka dealer before you sell it, so you can be sure the Duet will be sold in good condition. Do you want to buy a used Huka bicycle? Then we advise you to have it checked by your Huka dealer. They can quickly see whether the wheelchair bike is subject to wear and tear, or has hidden defects.

RECYCLING THE BATTERY

If the battery is defective or if you no longer use it, you must have it recycled. You can do this at a WEEE collection point. These are non-profit organizations regulate everything concerning the recycling of batteries for your country.



Li-ion

Huka makes your world easier

For more than 40 years, Huka has been a family-owned company that provides mobility solutions for people with physical disabilities and the elderly. In doing so, we make use of the latest technological developments. In addition to functionality and technology, we focus on attractive, contemporary designs. And because we value continuous improvement, we listen carefully to the riders of our bikes.

Your Huka-dealer

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