

**huka**  
BIKES

# Manual Diaz



**Huka** makes your world easier [www.huka.nl](http://www.huka.nl)

## Your notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

EXTEND YOUR  
STANDARD  
WARRANTY TO  
10 YEARS

[WWW.HUKA.CO.UK/WARRANTY](http://WWW.HUKA.CO.UK/WARRANTY)



## Congratulations on your new Diaz

Ride carefree and experience the freedom, independence and stability as you used to? With your Diaz we like to make your world easier. Probably you would rather go cycling than read the manual. Therefore we have put together a manual where the most important topics are covered.

To make the best use of your wheelchair bike, I will give you tips sometimes so you can continue to cycle safely and with pleasure.

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

Warm regards,

**Murat**  
Maker of the Diaz



# Contents

- Your notes ..... 2
- General..... 7
  - Indication & intended use ..... 7
  - Warranty..... 8
  - EU Declaration of Conformity..... 10
- First bike ride on the Diaz..... 11
  - Safe on the road ..... 11
  - Boarding and cycling..... 13
  - Brakes ..... 14
  - Cycling with pedal assistance ..... 14
  - Display..... 15
  - Walk-in function ..... 15
  - Adjusting footrests..... 15
  - Headrest adjustment ..... 16
  - Seat depth adjustment ..... 16
  - Adjusting back height ..... 16
- Product Description ..... 17
  - Bike frame..... 17
  - Wheels and tires ..... 17
  - Spokes..... 17
  - Chain guard & chain..... 18
  - Brakes ..... 18
  - Bottom bracket, crankset and pedals ..... 19

Gears .....	19
Saddle .....	19
Handlebar .....	20
Fenders .....	20
Lighting .....	20
Carrier .....	20
Electric pedal assistance .....	21
Pass Vario pedal assistance .....	21
Wheelchair parking brake.....	22
Disconnecting Wheelchair .....	22
Attaching Wheelchair .....	23
Accessories .....	24
Fixing parts.....	24
<b>Optimal use .....</b>	<b>25</b>
Saddle height adjustment.....	25
Saddle depth adjustment .....	25
Setting the saddle angle.....	26
Handlebar height adjustment.....	26
Handlebar stem with quick release .....	27
<b>Dear Maintenance Diaz .....</b>	<b>28</b>
Cleaning .....	28
Tire pressure & tread.....	29
Tire Paste .....	30
Wheels .....	31
Spokes.....	31

Chain .....	31
Brakes .....	31
Battery charging.....	32
Replacement of parts .....	32
Lighting .....	33
Moving and carrying the bike .....	34
<b>Specifications.....</b>	<b>35</b>
<b>Other information.....</b>	<b>37</b>
Contact details Huka.....	37
Changes.....	37
Disposal product .....	38
Recycling the battery .....	38
Sale of the Diaz .....	39

# General

## INDICATION & INTENDED USE

The Diaz is a combination of a bicycle with a *stable* comfortable detachable wheelchair. The bicycle is specially designed for people who want to go out and cannot cycle independently because they are dependent on a wheelchair or other seating facility.

- The Diaz complies with all laws and regulations applicable to public road use. Use of the Diaz as a racing or cross country bike is beyond the normal use and responsibility of Huka.
- It is your responsibility to act according to the specific safety requirements of the country where you are cycling. This includes possible insurance according to the relevant legislation including proper equipment of yourself and the wheelchair bike that the respective country requires.
- The driver must be independently mobile and must not have physical or mental challenges that prevent safe participation in traffic, such as an (audio) visual impairment.
- The maximum user weight and luggage weight (found in the Technical Specifications section) must not be exceeded.
- The maximum user weight and luggage weight (found in the Technical Specifications section) must not be exceeded.
- The bike is designed for two people.

## WARRANTY

Huka offers a 5-year warranty on the frame of the Diaz and a 2 year warranty on the battery and other parts. All warranty's are carried out by your Huka dealer.

- The warranty does not apply to damage or defects to the Diaz caused by improper or injudicious use. The assessment of this lies with Huka B.V. or a representative designated by Huka B.V..
- The warranty does not apply to parts subject to wear and tear such as the chain, brakes and tires.
- Under no circumstances shall Huka be liable for any special or consequential damages due to negligence on the part of the user of the Diaz. Even Huka has been notified of such damages.
- Applicable law may not allow the limitation or exclusion of liability or damages. Thus, the above limitation or exclusion may not apply to you.
- The warranty and product liability in general may be invalidated if instructions in this manual have not been followed. This will occur if unauthorized maintenance, technical modifications or additions have been made to the bicycle with non-original Huka parts without Huka's consent. Also the CE-mark will be cancelled. The lack of a CE-declaration can lead to problems with the insurance of the bicycle and possible damage or liability.



**TIP FROM MURAT** Write down the frame number of your Diaz below. The number is important for warranties, repairs or in case your wheelchair bike is stolen for reporting to your insurance. 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-00003494

Type/Typ :

Max gewicht/Max weight KG :

 2023-07  
SN 2307184



Sample identification sticker

## EU DECLARATION OF CONFORMITY

Manufacturer's name:	Huka B.V.
Address:	Münsterstraat 13, 7575 ED Oldenzaal The Netherlands
SRN:	NL-MF-000003494
Product type:	Wheelchair bike
Trade name:	Diaz
Basic - UDI Diaz:	8720589794146
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 provided under the exclusive responsibility of Huka. We hereby declare that medical device(s) specified above comply with the provision 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 the Hallmark Institute and the relevant sections of the following harmonized standards: EN-ISO 14971: 2012 and EN 12182: 2012. All supporting documentation is kept at the manufacturer's premises. Signed on behalf of Huka,

**Signed on behalf of Huka on April 6, 2023 at Oldenzaal, the Netherlands.**

A handwritten signature in black ink, appearing to read "R. Lotgerink", with a long horizontal stroke extending to the right.

R. Lotgerink,  
Managing Director



# First bike ride on the Diaz

The time has come. The first experience on your own Diaz! Which bike ride you take, your safety comes first! Should you be riding a Huka wheelchair bike for the first time, it may take some getting used to. The most important tip we can give you is that you should relax as much as possible while cycling. To make everything go as smoothly as possible, we will give you some instructions.

**TIP FROM MURAT** Make sure that the handlebars and saddle for the rider are properly adjusted as well as the seat and back of the passenger before you start cycling. A good foundation for cycling, in addition to a safe bike, starts by having the right posture on the bike.

## SAFE ON THE ROAD

When using the Diaz, it is important that the wheelchair bike is in optimal condition when you hit the road. Please consider the following aspects:

- The driver must be at least 16 years old,
- Before each use, check the condition and operation of brakes, tires, rims, spokes and steering.
- Keep in mind that braking characteristics change and braking distance may increase with slippery road surfaces and/or heavier weight, among other things.
- The Diaz's turning radius is greater than that of a two-wheeler.
- If you want to turn the bike, the cyclist can dismount and lift the bike part.
- Make sure possible luggage is secure and cannot slide.
- Cycle on flat and paved surfaces and avoid deep potholes, high thresholds, sloping sides and puddles of water.

- Drive at an appropriate speed on wet or slippery surfaces and slopes. Do not bump into curbs.
- Moderate your speed on descents so that you can always stop in time and in a safe manner.
- Moderate your speed before taking a turn so that all wheels stay on the ground. Leaning inward helps with this.
- Always lock your wheelchair bike when you park it using the cable lock. Use the parking brake against rolling away.
- We recommend wearing reflective clothing or a reflective jacket.
- The passenger must wear the seat belt while cycling.
- Wear an appropriate bicycle helmet.
- The Diaz is largely made of steel which is considered non-flammable. The other materials used such as plastic, rubber and the like are not fireproof.
- Extra caution is required during pregnancy due to increased risk of injury.



Never be tempted to overly enthusiastic driving on the roadway, such as going up and down sidewalks. Your Diaz may suffer (in)visible damage as a result, which could pose additional risks.

## BOARDING AND CYCLING

Always use the parking brake when mounting or dismounting. The parking brake prevents the bicycle from rolling away which can lead to dangerous situations.

- When getting 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 take a seat on the saddle.
- As soon as you are seated and want to cycle, you take the wheelchair bike off the parking brake.
- Put it in first gear so you can pedal lighter.
- Stay upright at all times and keep your feet on the pedals. Even when braking or standing still.

**TIP FROM MURAT** When cycling, steer from your arms and not your body. Cycling around corners takes some time getting used to. To maintain stability, in sharp turns, lean your body slightly to the inside of the turn. Be careful when making short turns. Adjust your speed. Avoid sudden and violent steering movements. This way you will avoid accidents and damage.

**TIP FROM MURAT** If you want to change gears, make sure you stop pedaling first and then select the desired gear. Do not continue pedaling while changing gears. This can lead to damage to the shifting mechanism. Damage to the gear hub due to abuse is not covered under warranty.

## **BRAKES**

We will provide some instructions on the various brake options.

- Front brake: to brake with both front wheels you need to squeeze the right brake lever.
- Rear brake: to brake on the rear wheel you need to pedal backwards.
- Parking brake: in addition to getting on and off, the parking brake should be applied as soon as you want to hitch or unhitch the wheelchair. To do this, squeeze the right 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 bicycle from rolling away while getting on or off the bike and reduces the risk of falling.

## **CYCLING WITH PEDAL ASSISTANCE**

Your Diaz is equipped with pedal assistance and the electric motor is turned on as soon as the system is on and you start pedaling. The pedaling becomes lighter. When you stop pedaling the pedal assist also stops.

- You engage pedal assistance by pressing "On/Off button" for 3 seconds.
- You turn off the pedal assistance by holding the "On/Off button" for 3 seconds.
- You can set the support at different levels using the + / - keys on the handlebars.

## DISPLAY

Your Diaz is equipped with a display that shows status of the battery. The display also shows the speed, trip distance (Trip) and total distance (ODO). With the plus and minus button you can choose the level of support. You have five levels of support.



Battery indication display with control buttons

## WALK FUNCTION

The walk function is designed to avoid heavy pushing when walking beside the bicycle. The walk function is activated by pressing the minus key several times until a little figure appears in the display, if the minus key is held down then, the bike will automatically start riding up to 4 km/h.



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



The product contains moving parts. Consider the steering wheel, wheels, etc. Be alert to pinching hazards.

## ADJUSTING FOOTRESTS

The footrests are folding and height adjustable. Entry and exit can be facilitated by folding both footrests.

- You grab the inside of the footplate and then flip the footplate up.
- The height of the footboard can be adjusted by slightly loosening the M8 bolt at the bottom and adjusting the height. Tighten the M8 bolt again so that the leg rest clamps securely.



## HEADREST ADJUSTMENT

The headrest can be adjusted in height, depth and angle.

- If you want to adjust the height of the headrest, you can slightly loosen the star knob on the backrest, slide the headrest to the desired height and tighten star knob again.
- To adjust the angle and depth of the headrest, loosen the Allen bolts on the mount slightly, adjust the angle and depth, then tighten the Allen bolts again.



## SEAT DEPTH ADJUSTMENT

The seat is adjustable in depth.

- To adjust the seat depth, loosen the four m8 nuts at the bottom under the seat a few turns.
- Then slide the seat into desired position and tighten the four M8 nuts.



## ADJUSTING BACK HEIGHT

The backrest is adjustable in height.

- Loosen the four M8 bolts on the back of the backrest a few turns.
- Then slide the backrest to desired height and retighten the four M8 bolts.





# Product Description

The Diaz consists of several parts. We describe the most important parts in this section.

## BIKE FRAME

The frame of the Diaz consists of tubular metal construction supplemented by aluminum and stainless steel components. Most metal parts are phosphated and then provided with an impact-resistant powder coating. This construction and finish guarantees years of cycling fun.



Due to safety reasons, such as altered bike stability, the coupled version of the Diaz is not permitted to be used by the rider alone.

## WHEELS AND TIRES

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

**TIP FROM MURAT** Check tires regularly for wear and tire pressure to ride safely. Tire pressure and tire wear greatly affect the handling of the wheelchair bike.

## SPOKES

Proper tension of the spokes ensures a stable wheelchair bike. Because of the performance of newly spoked wheels, your Diaz's spokes should be checked after 200 kilometers or 2 months. Your Huka dealer can take care of that. Should a spoke break or become loose, please consult your Huka dealer immediately.

## CHAIN GUARD & CHAIN

The chain guard is specially designed for bicycles and made of an 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 proper chain tension, the Diaz pedals lightly and you hardly hear the chain. If you notice that a chain is too slack, have it adjusted by your Huka dealer.

## BRAKES

The Diaz is equipped with a coaster brake on the rear wheel and hydraulic disc brakes on the front wheels. Also, your Diaz is equipped with a parking brake acting on the disc brakes that you use when getting on and off the bike.

**TIP FROM MURAT** Brakes can wear out over time and are very important for safety while cycling. Therefore have the brakes checked regularly and, if necessary, adjusted or replaced. A Huka dealer can support you with this.



When getting on or off, always make sure the parking brake is activated. This prevents the bike from rolling away.

## BOTTOM BRACKET, CRANKSET AND PEDALS

- Huka bottom bracket bearings are maintenance free and not adjustable. If there is any play on the bearings, please go directly to the Huka dealer. If there is play between the crank and bottom bracket, remove the dust cap from the crank and tighten the underlying bolt with a socket wrench.
- Most pedals are maintenance-free. Is there too much play? Please consult your Huka dealer. When assembling the pedals yourself, pay attention to the indications L (left) and R (right) on the pedal axles. The left pedal you turn left to tighten. The right pedal has to be tightened clockwise. Use an open-end wrench 15 or a special (narrow) pedal wrench.
- Various (custom) pedals are optionally available.

## GEARS

Your Diaz is standard equipped with 5-speed or 8-speed gears with back pedal brake, Upon delivery your Huka dealer has checked and adjusted the gears correctly. The explanation of the gear hub can be found in the manual of Shimano.



Adjusting the gear hub is very specialized work. This should only be done by a Huka dealer.

## SADDLE

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

## HANDLEBAR

The handlebars of the Diaz are made of steel. The handlebars are adjustable in height.



The saddle and handlebars should always be securely fastened. Check this regularly. A loose saddle or handlebars can create an unsafe situation.

## FENDERS

The fenders are impact-resistant plastic and fully colored. Splashing water is stopped so that clothing is not splashed under.

## LIGHTING

The Diaz features battery-powered LED headlights with low power consumption. Batteries (type AA) are available at various stores.

The rear light is powered by the bicycle battery.



Remember to change batteries in a timely manner to avoid dangerous situations in traffic. Without batteries, the lights will not work. Make sure old batteries are disposed properly.

## CARRIER

The luggage carrier is made of aluminum. There are several possibilities to carry luggage. Ask your Huka dealer the right materials are used and the whole is safely mounted. On a Diaz the battery pack is mounted under this carrier.



Distribute the luggage as best as possible on the rack. The maximum load is 20 kg. The total max load Diaz is 120 kg co-driver + 120 kg driver + 20 kg luggage = 260 kg.



Always make sure the lights and reflectors are clearly visible. Also, luggage should be properly secured. Luggage not properly secured can be dangerous when participating in traffic. Straps or straps should be properly secured to prevent them from getting into the wheel.

## **ELECTRIC PEDAL ASSISTANCE**

The Diaz is equipped with electric pedal assistance, by means of a middle motor in the frame and a battery pack under the luggage carrier. A display with controls is mounted under the handlebars.

## **PASS VARIO PEDAL ASSISTANCE**

With the Pas Vario support, you pedal along and the pedaling is supported by the electric motor in the frame. The degree of support can be set with the + / - buttons on the handlebar and is readable on the display. The bike is equipped with a 43V 750wh Li-ion battery mounted under the luggage rack.



Handlebar display and controls



Motor in the frame



Battery pack

## WHEELCHAIR PARKING BRAKE

When getting on or of the wheelchair, always put the wheelchair's parking brake on. To do this, squeeze the right brake lever, push the pin down and release the brake lever again (see photo).



Squeeze the brake lever



Pen press

## DISCONNECTING WHEELCHAIR

You disconnect the wheelchair bike by completing the following steps:

- Put the wheelchair on the parking brake.
- Pull the hairpin locking out of the lock bracket (photos 1 and 2)
- Open the lock bracket and carefully lower the wheelchair forward (photos 3 and 4).
- Lift the front bicycle section up from the receiving section
- Put the bike on the center stand in a safe place.
- The lock shackle should be set so that it can be opened and closed with slight force and that there is no play on the shackle. The tension of the shackle can be adjusted by turning the eye bolt.



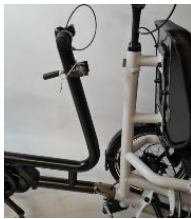
Removing hairpin  
from clasp



Fold the clasp forward



Remove the eye bolt  
from the hook



Tilt the wheelchair forward



Lift the frame out of the lock



Putting frame on stand

## ATTACHING WHEELCHAIR

You connect the wheelchair bike by completing the following steps:

- Put the wheelchair on the parking brake.
- Link the bicycle part to the wheelchair by hanging the hook in the receiving part of the wheelchair. Then gently tilt the wheelchair back until the coupling part is connected.
- Hook the lock bracket behind the fastener and close it.
- Insert the hairpin locking pin through the lock bracket.



Lift the frame and hook into the lock



Tilt the wheelchair backwards



Hook the eye bolt behind the hook



Fold back the closure



Inserting hairpin into clasp

## ACCESSORIES

The Diaz can be expanded with various accessories. Think of a headrest, foot fixation, mirrors, spoke cover, or for example other belts besides the standard lap belt. More information about accessories can be found at the Huka dealer who supplied the Diaz.



Fixation vest



Headrest



Seat cover

## FIXING PARTS

It is important that all parts on the wheelchair bike are properly tightened. Various parts should be tightened with a torque. Use a torque wrench for this purpose. The table below shows values for the correct tightening torque. If in doubt, consult your Huka dealer for advice.

Section	Tightening torque
Quick-release seat post	hand-tight
Handlebar stem	23Nm
Wheel nuts rear wheel	40Nm
Front wheel bolts	20Nm with blue loctite



Failure to properly tighten parts can lead to unsafe situations. Maintain the prescribed tightening torques.



# Optimal use

Upon delivery of your new Huka, the components should be properly adjusted to your body and to your needs. To make sure you sit comfortably, there are options to adjust the saddle and handlebars to your wish.

## SADDLE HEIGHT ADJUSTMENT

1. Pull out the lever of the quick tensioner.
2. Pull or push the saddle to the desired height. The seat post should extend at least 10 cm into the frame, with the safety marking not visible.
3. Push the lever in as far as possible to securely lock the seat post in place.



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

**TIP FROM MURAT** A good rule for adjusting saddle height: Sit on the wheelchair bike with the crank in line with the seat tube. With the heel on the pedal, you should be able to just barely extend your leg.

## SADDLE DEPTH ADJUSTMENT

1. Using a socket wrench 13, loosen the saddle bolt slightly to allow the saddle to slide.
2. Pull or push the saddle into the desired position.
3. Tighten the saddle bolt securely.

## SETTING THE SADDLE ANGLE

1. Using a socket wrench 13, loosen the saddle bolt slightly to allow the saddle to rotate.
2. Tilt the saddle to the desired angle.
3. Tighten the saddle bolt securely.



Saddle height with quick tensioner

Setting the saddle



Saddles and handlebars should be securely fastened. Loose saddles increase the risks of dangerous situations in traffic.

## HANDLEBAR ADJUSTMENT

Good posture also depends on the correct handlebar height. The handlebar height, handlebar angle and angle setting of the stem and handlebars can be adjusted for this purpose

1. Using a size 6 Allen wrench, loosen the handlebar bolt slightly to allow the handlebars to rotate.
2. Turn the handlebars to the desired position.
3. Retighten the steering bolt securely according to the described tightening torque.

The grips will generally need to be at the height of the rider's waist.

The handlebars should not touch the knees while cycling, including when cornering.

## HANDLEBAR STEM WITH QUICK RELEASE

1. Slide the locking tab up
2. Pull up the lever
3. Place handlebars in desired position
4. Push the lever closed again until the locking tab clicks into place



Instellen switch stuurpen



The lever must close with a resistance of 120-150N. Otherwise, the handlebar may come loose during cycling which can lead to serious injuries.

# Maintenance

Optimal riding comfort is created by keeping the wheelchair bike properly maintained. In this chapter we will show you how to do this. We also advise you to do the annual maintenance by your Huka dealer. They check the bike for functionality, safety and possible wear.



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

## CLEANING

Clean the wheelchair bike regularly. This can be done with lukewarm soapy water combined with a mild detergent. 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. Rinsing with a garden hose is fine, as long as the jet is not too powerful.

## TIRE PRESSURE & TREAD

Check tire pressure and tread regularly for optimal grip on the road. This will prevent unnecessary wear and tear on the tires of your Diaz. It also makes cycling more pleasant and allows you to react better to braking and steering movements. The Diaz has tires with bicycle valve. The correct tire pressure for the rear wheel is between 3 and 5 bar and the front wheels between 2 and 4 bar. The caster wheels have solid tires and do not need to be checked for pressure. Only for tread. After inflating, check that the valve does not leak. Spread some saliva over the valve tube. If an air bubble appears, the valve is flat and should be replaced. If the tread is less than 1 mm deep, the tire should be replaced. Your Huka dealer can support you with this.

**TIP FROM MURAT** In case of a malfunction, contact your Huka dealer immediately. Do not use the wheelchair bike until the malfunction is corrected.

## TIRE PASTE

Did you find out that a tire on the Diaz is flat? Your Huka dealer can, of course, patch the tire. But should you want to do it yourself, here are instructions.

Required: a repair kit (with tire levers, glue, stickers and sandpaper, trestle or jack, scissors, bicycle pump and a bucket of water).

- Deflate the tire and unscrew the valve.
- Insert the first tire lever next to the valve (between the outer tire and the rim) and hook it behind a spoke. Do the same with the second tire lever (about two spokes away). Using the third lever, gently rock the tire loose.
- Remove the outer tire from the rim. Carefully feel for anything sharp (glass, nail, etc.) on the inside of the outer tire. Remove the inner tube from the wheel.
- Inflate the tire and find the leak by holding the tire under water. Where bubbles appear is where the leak is.
- Deflate the tire and lightly sand the puncture site. Spread some glue on the tire and let it set for two minutes.
- Use a ready-made sticker or cut a round from the piece of tire sticker. Stick this on the puncture and press firmly. Let it dry for 5 minutes.
- Place the valve back into the rim and assemble (wait to tighten the thin nut until the tire is back on the rim).
- Inflate the inner tube slightly and place it in the outer tire. Press the outer tire into the rim all around. Start at the valve and slowly work around.
- Pump the tire to the correct pressure. Check that the outer tire sits nicely on the rim. Tighten the small nut on the valve. The tire is repaired!

## WHEELS

The wheels help ensure light running and high riding comfort. Properly inflated tires and tightly tensioned spokes are important for optimal cycling comfort.

**TIP FROM MURAT** Before riding, check the wheels turning smoothly and do not creak while riding. Crackling noises usually indicate a loose spoke or a defective bearing. Contact your Huka dealer if this is the case.

## SPOKES

The spokes should be checked for tension once a month. A loose spoke usually produces creaking noises. A loose spoke can cause the rim to warp, affecting riding. The spoke check is easily performed by strumming your finger along the spokes like a guitar. A spoke with abnormal tone is likely to be loose. Your Huka dealer can then perform the repair.

## CHAIN

The chain should be cleaned and lubricated once a month. In addition, the chain tension should be checked regularly. We recommend that this work be performed by a Huka dealer.

## BRAKES

Regularly test the functionality of the brakes. A brake that is too slack does not brake adequately. The front brake is easily adjusted slightly tighter with the adjustment bolt on the inside of the right brake handle.



Are the brakes not adjustable or does the Diaz still not brake properly? Then have it checked and adjusted by your Huka dealer.

## BATTERY CHARGING

Before you ride, check that the battery is still sufficiently charged. Depending on the capacity, charging takes between 3 hours and 8 hours. Always use the original battery charger.

**TIP FROM MURAT** Low ambient temperature has an adverse effect on battery charging. In temperatures below 10 degrees, it is best to take the battery inside and charge it at room temperature.

## REPLACEMENT OF PARTS

Is your Diaz defective or need parts replaced? We advise you to have this done by your Huka dealer. Partly this prevents you from voiding the factory warranty.

To replace the inner tube and/ or outer tire you should apply the following sizes:

- Inner and outer tire front wheel: 55-406
- Inner and outer size rear wheels: 47-559



Always have original Huka parts fitted to the wheelchair bike. Your Huka dealer can order and fit these directly.



## LIGHTING

The Diaz features battery-powered LED lighting front with low power consumption and long life. Eventually the batteries will need to be replaced. These are available at various stores.

You replace the headlight batteries by unscrewing the screw at the bottom with a screwdriver. Then turn the front a small turn counterclockwise and pull the front out of the housing. Replace the 4 AAA batteries. Pay attention to + and -. Then slide the front back into the housing and turn it a little clockwise. Mount the screw back in at the bottom.



Headlight tilt  
backwards



Loosen screw



Turn the front  
slightly



Sliding the front out of  
housing



Incorrectly mounted batteries can cause a malfunction in the headlight. So always pay close attention to the + and - signs of the battery.

The rear lights are powered by the battery of the electrical system and here you do not need to change batteries. Should the rear light not work check that the cables are connected properly. If this is correct and the light does not work, contact the dealer to have it repaired.

## **MOVING AND CARRYING THE BIKE**

To move or carry the bike, it is best to disconnect the bike part first from the wheelchair. The bike part is best grasped at the back by the rack and at the front by the head tube. The wheelchair is best grasped at the back by the steering tube and at the front by the frame tubes. We recommend lifting the bike with at least two people. It is not possible to lift the bike alone because of its weight. Lift only the fixed parts and do not lift, for example, the accessories.

# Specifications

	Standard version
Frame material	anti-corrosion treated steel
Finish	exterior grade epoxy powder coating
Wheels	aluminum rim with stainless steel spokes
Tires	Tires with anti-puncture
Lighting	Battery lighting front and rear via battery
Bicycle bell	sporty- and light-operated bell
Fenders	impact and shape resistant plastic
Chain guard	impact-resistant closed plastic chain guard
Handlebar	metal handlebar powder coated
Saddle	Velo Plush, height adjustable
Seat post	suspension seat post 350 mm
Pedals	metal with anti-slip
Brakes front	Hydraulic disc brake on both front wheels
Rear brake	Back pedal brake
Gears	5-speed or 8- speed hub with coaster brake
Bike Part	two-leg stand, seat post and cable lock
Wheelchair part	seat system with belt and footrest
Partible frame	standard with quick release
Lock	Cable lock
Options	see price list for different options

	Bike Part	Wheelchair part
Length total in mm (H)	2350	
Width overall in mm (M)	760	
Weight in kg	81	
Maximum load total in kg	240	
Maximum load in kg	120	120
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	
Entry height in mm	390	
Handlebar height in mm (G)	810-1110	
Seat width in mm (A)		450
Seat depth in mm (B)		400-540
Back height in mm (C)		480-550
Tire size in ETRTO	47-559	55-406
Tire size in inches	26 x 1,75	20 x 2.15
Tire size caster		200 x 50

## Other information

### CONTACT DETAILS HUKA

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

Munsterstraat 13  
7575 ED Oldenzaal  
0541-572472  
[info@huka.nl](mailto:info@huka.nl)  
[www.huka.nl](http://www.huka.nl)

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

### CHANGES

Huka follows the philosophy of continuous product development and improvement. As a result, the product delivered may differ from the images shown. Huka BV reserves the right to make changes to the product as described in these instructions for use. No liability is due for this. Printing errors reserved.

For the most current version of the manual, visit [www.huka.nl](http://www.huka.nl)

## DISPOSAL PRODUCT

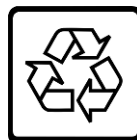
Are you no longer using the Diaz? Then contact your Huka dealer. They can guide you with a possible sale or trade-in of it. If you want to dispose of your Diaz, you can also contact your local waste disposal company. They will dispose of the bike according to the regulations and laws in force in your hometown.



If you want to replace the batteries or battery on your bicycle, keep in mind that it is chemical waste. Therefore, make sure it is disposed of properly by handing in the battery at a Recycle collection point. Go to your local waste disposal company for more information.

## RECYCLING THE BATTERY

When the battery is defective or when you no longer use it, you should have it recycled. You can do this at a Battery recycle collection point. Go to your local waste disposal company for more information.



**Li-ion**

## **SALE OF THE DIAZ**

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

Have the wheelchair bike inspected by your Huka dealer before sale to ensure that the Diaz is sold in good condition. Want to purchase a used Huka bike? Then we recommend having it checked by your Huka dealer beforehand. They can quickly see if the wheelchair bike is subject to wear and tear or has any hidden defects.

# Huka makes your world easier

To best meet the needs of individual riders, we believe good service is essential! Huka is known for its good service and far-reaching commitment. Do you own a Huka bike and would like to have periodic maintenance done? Our dealers are happy to perform all maintenance work for you!

Your Huka dealer

Huka 0541-572 472 [info@huka.nl](mailto:info@huka.nl)

40

