NUUK

URBAN /CARGO /TRACKER

RIEJU®
...for everyday adventure

MANUEL DE PROPRIÉTAIRE
OWNER'S MANUAL
MANUAL DEL PROPIETARIO

Bienvenu! welcome! Bienvenido!

*** GARANTIE CONSTRUCTEUR D'1 AN (PIÈCES ET MAIN D'OEUVRE). ONE YEAR OF WARRANTY (PARTS AND MANPOWER). UN AÑO DE GARANTÍA (MANO DE OBRA Y PIEZAS**

RIEJU S.A. appreciates the confidence you have placed in our company and congratulates you on your good choice.

The vehicle Nuuk Urban/Tracker/Cargo is the result of the long experience developing high performance vehicles.

This owner's Manual is intended to indicate the use and maintenance of your vehicle, please read carefully the instructions and information given below.

We remind you that the life of the vehicle depends on the use and maintenance you give it, and that keeping it in perfect working condition reduces the cost of repairs.

This manual should be considered as an integral part of the vehicle and must remain on the base equipment even in the case of a change of ownership.

For any eventuality, consult the RIEJU dealer who will assist you at all times or access ww.riejumoto.com.

Remember that for the proper operation of your vehicle, you must always use original replacement parts.

INDICE

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Description of the vehicle

This vehicle is an electric motorbike of the category L3e-A1, equivalent to a motorcycle of combustion of 125 C.C. assembled with a power train of latest generation BOSCH brand with a motor of direct current that provides a power of 8.5 KW.

The vehicle incorporates a central motor and two-stage transmission by belt and chain. The series includes two removable 48v and 50Ah batteries, each are connected in parallel to make a system of 48 V and 100 Ah (4.8 KWh). Optionally, the number of batteries can be extended to 4, making a system of 48 V and 200 Ah (9.6 KWh). The batteries are integrated in a compartment in the central part of the bike, which is accessed with a key delivered with the bike and that allows a fast battery change thanks to the Nuuk battery extraction system.

The dual-cradle Tubular chassis provides great strength and sturdiness to the vehicle.

The vehicle incorporates a digital Display in which all vehicle information is provided (speed, autonomy, partial distance, average consumption, etc.), and can be connected to the mobile phone via Bluetooth by installing the Bosch uDrive Connect app application.

The front suspension consists of an inverted telescopic fork with 90 mm of travel and legs of 35 mm diameter.

The rear suspension consists of a Mono-shock side shock absorber that provides great smoothness of operation.

The front brake consists of a 280 mm diameter disc and a 4-piston radial clamp.

The rear brake mounts a 240 mm diameter disc and a floating clip.

The rims are 17 "aluminium.

Important points of the vehicle

The NUUK electric bike is designed to be a sturdy vehicle with low maintenance. Despite this, it is important to take into account certain points to prolong your life and benefits to the maximum.

The main elements of the electric vehicle are:

Battery – It is very important to carry out the operation as explained in this manual, especially to leave the charge at 50% if the vehicle will not be used for long periods of time. It is also very advisable to avoid the maximum total discharge of the battery to extend its life, as well as to carry out charging as often as possible, regardless of the level of discharge. When removing the batteries, it is recommended to do so by avoiding impacts or blows to the battery as well as to the folding compartment in which it is situated, and to make the change always with the bike turned off.

Charger – The vehicle integrates an onboard charger with integrated cooling, so that the bike is charged directly into a 220v AC outlet. You can optionally purchase an external charger to charge the batteries independently of the vehicle. It is recommended to use the standard charge mode in normal conditions and to use the fast charge mode only in case of emergency or urgency, as it is more demanding for the battery and will reduce its useful life.

KM/mph Count – The odometer is ready to work in all adverse conditions. However the vehicle should not be subjected to pressurized water jets.

Motor – engine is ready to work in adverse conditions. In any case, the vehicle should not be subjected to pressurized water jets. Do not block the motor's ventilation inlets located under the driver's seat.

Periodic maintenance – Periodic maintenance must be carried out as specified in this manual, keep the motorbike clean and in particular the moving parts clean and oiled.

Delivery of the vehicle- important points to explain to any operator of the vehicle.

User MANUAL- Explain the importance of reading and understanding all information. To emphasize the sections on safety and maintenance practices.

Registration Card Guarantee-fill in the required information, and deliver the copy to the customer.

Operation- explain the correct handling of the vehicle.

Rear view mirror adjustment- Adjust for customer.

Adjusting the brake levers- adjust the correct inclination for the customer.

Footrest Adjustment – Adjust position for customer.

Charging the vehicle- explain how to carry out the charging process.

Warnings- Explain the importance of warnings to ensure a long "life" of the vehicle.

Keys- Complete Set delivery. Recommend making a replacement set.

First service- Explain the importance of the first service at 500 Km.

Periodic maintenance- explain the need for periodic maintenance.

Chassis identification Number

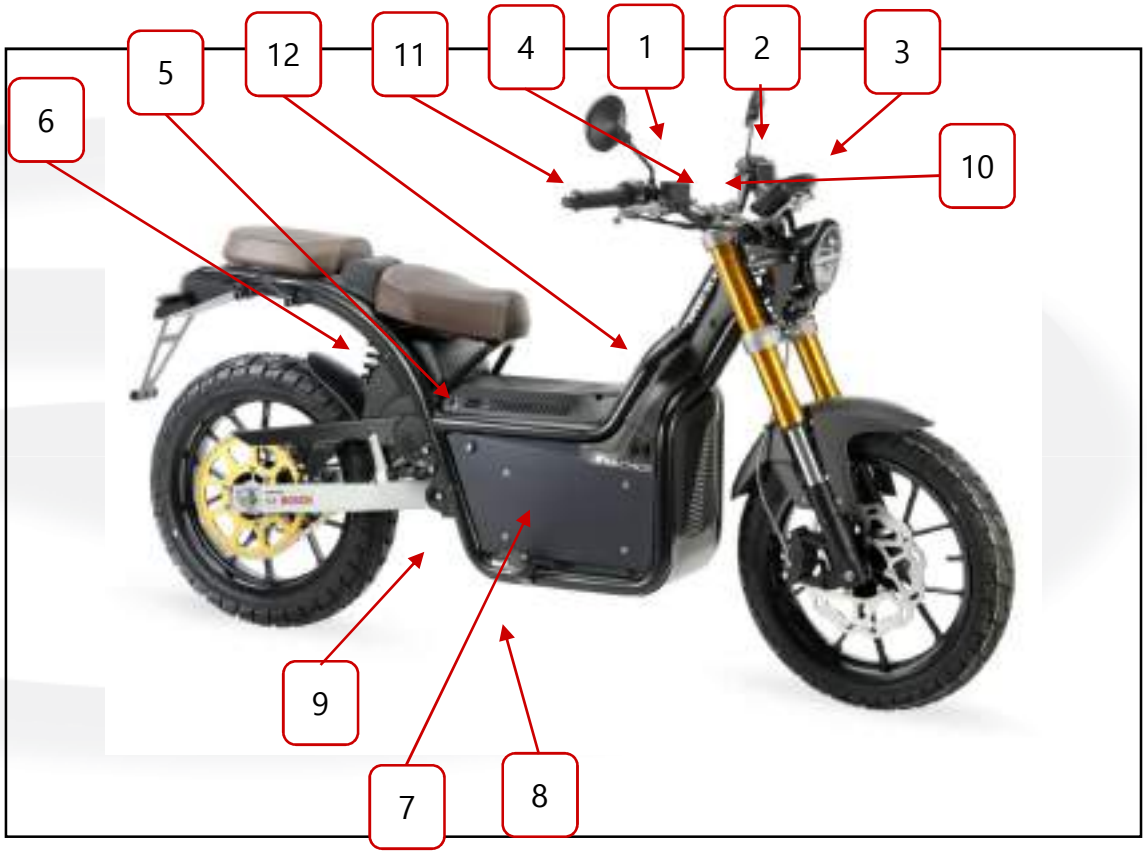
The vehicle identification number is stamped on the right side of the chassis steering tube and the manufacturer's label is located on the left side.

This identification number will be necessary for the certificate of specification, insurance, registration, etc. and must be quoted for any suggestion or claim, as well as to request spare parts.

The nameplate is located on the steering tube on the front of the plate.

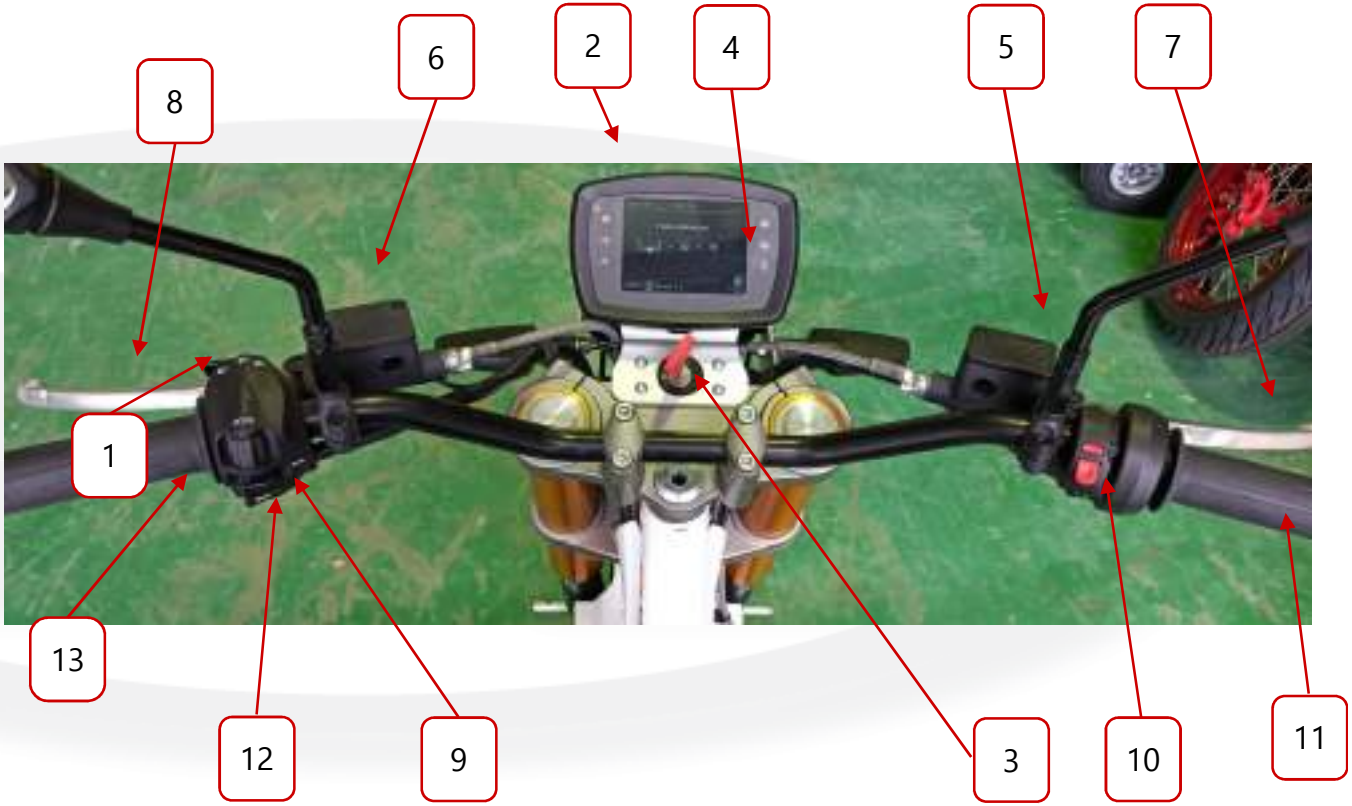
Vehicle identification

1. – Brake Fluid tank.
2. – Mode and illumination switch.
3. – Dashboard
4. – Power switch
5. – Battery Lock
6. – Motor
7. – Battery/ECU
8. – Side Stand
9. – Center Stand
10.-Emergency stop
11.- Throttle
12. – Charging Cable



Controls and instruments

1. – Light switch.
2. – DigitalDashboard.
3. – Key Lock on.
4. – Battery indicator.
5. – Brake Fluid tank.
6. – Brake Fluid tank.
7. – Brake lever.
8. – Brake lever.
9. – Indicator switch.
10. – Emergency stop.
11.-Throttle .
12.-Horn push button.
13. – Selector switch.



Dashboard instruments and indicators

Ignition Lock

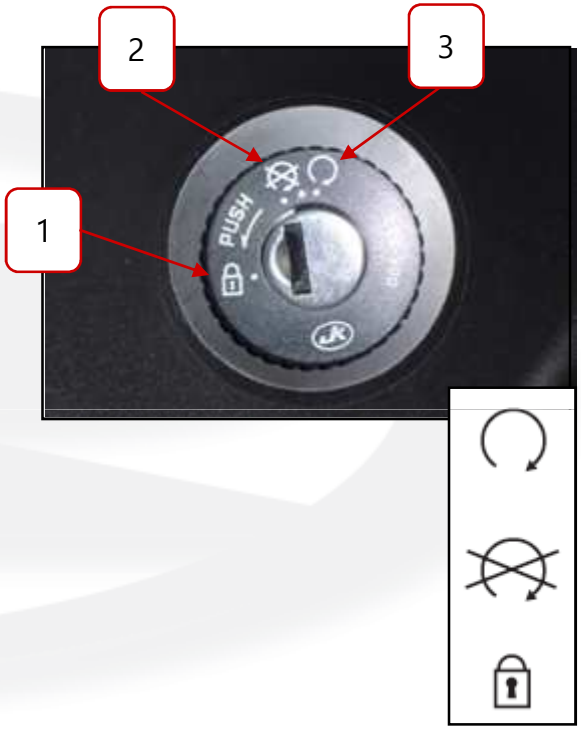
The lock is located in the central part of the handlebar, between the handlebar and the Display.

Controls vehicle ignition and handlebar lock.

1-Steering lock, electrical system disconnected.

2-In this position the electrical system is disconnected.

3-The electrical system is activated and can be started.



Locking and unlocking the handlebars

To lock the handlebar position, follow these steps:

1-Turn the handlebar all the way to the left.

2-place the key in positi

3-Press the key and turn to the po ion.

4-Remove the key.

DISPLAY DIGITAL

1.-Time

The date and time can be changed in the Settings menu

2.-Driving mode

You can change the mode with the up and down butto

3. – Speed.

Indicates the instantaneous speed. You can sw between

km/h and mph in the settings menu.

4.-Estimated autonomy/range

Indicates the estimated range with the driving mode

and current battery level. This value reviews your style

of driving.

5. – Driving data

Press the "SELECT" button to switch between the different data

Driving: km total, km daily, daily driving time, consumption

Medium, medium speed. To reset the driving data (except Total Km), press the "select" button for 2 seconds from the GO driving mode.

DISPLAY DIGITAL

6. – Temperature

Indicates the ambient temperature of the vehicle.

You can switch between º C and º F from the Settings menu.

7. – Energy consumption/recovery

Graphic indicator of instantaneous energy consumption.

The higher the power consumption of the system, the more segments are illuminated in this indicator. The three lower segments indicate the recovered energy.

8.-Battery charge level.

Graphically and numerically indicates the battery charge level. When all segments are illuminated and 100% is indicated, the battery is fully charged.

DIGITAL DISPLAY Indicators

1. – Left Flashing indicator

Lights up when the left indicator is activated.

2. – Road Light Indicator

Turns on when the road lights are on.

3. – Vehicle fault indicator.

Indicates a system error. Go to your closest technical service point if the light does not turn off.

4. – Right-flashing indicator

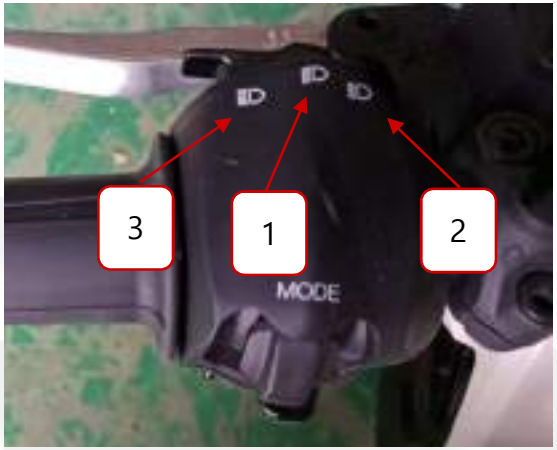
Lights up when the right indicator is activated

5. – Not used

6. – Charge indicator.

Lights up when the vehicle is charging the battery.

Main elements of the vehicle



Light switch

The light switch consists of three positions:

-Dipped light (short). Resting position (1)

High Beam road Light (long). Pull the trigger forward (2)

Burst (high beam) road light. Pull the trigger backwards (3)

Caution

Only use high beam light if there are no vehicles or people in

Front or to make alerts in case of danger or emergency.

Indicator switch

Three-position intermittent switch:

-Indicator Left (4)

-Resting position (5)

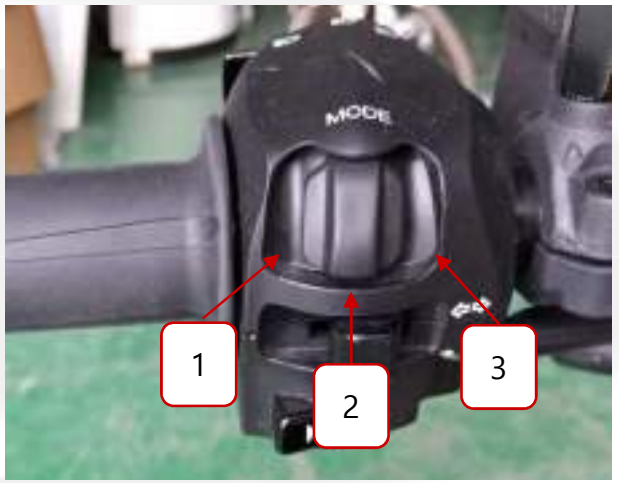
-Indicator right (6)

Set the switch to right or left and press the button to cancel.

Main elements of the vehicle

Mode Selector switch

The selector switch is a 3-position pushbutton: up, down and select. Used to navigate through the Display menus.



-Down (1)

Select (2)

Top (3)

To raise or lower a position in the menu, press the selector switch to the right or left respectively, to select the selected position, press the switch.

Main elements of the vehicle

Horn push button

Use push button (1) to operate the horn.

Caution

Remember you should only use it in case of danger or emergency.

Emergency power stop

Use the emergency stop switch (2) to stop the vehicle. Turning off the switch will cut the vehicle's power and acceleration. The vehicle remains on, but the speed function is disabled.

Caution

Use this switch if you are going to keep the vehicle on but without using it for a period of Long time.

Attention

If you turn off the switch with the vehicle running, it will disable the throttle function, which could cause an accident.

This switch should only be used to deactivate acceleration in case of emergency or shutdown.

Main elements of the vehicle

Lift and fold the seat

The rear seat of the vehicle can be lifted to discover a rear load surface or to perform the back-up function.

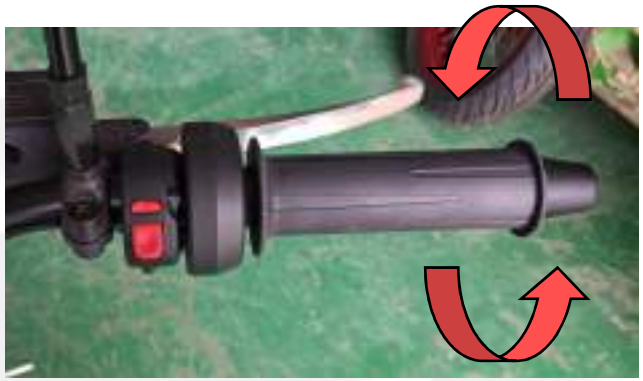
1 – Pull the lever located on the right side of the seat to unlock the movement.

2 – Lift the rear seat from the rear to the vertical locking position.

3 – Push the lever to take it to its initial position and lock the seat in a horizontal position.

Main elements of the vehicle

Throttle Grip



Turn the throttle grip backward to accelerate and forward to decelerate.

Releasing the throttle grip will return to its initial position and activate the motor brake, slowing the bike.

Caution

The electric vehicle makes less noise than a petrol motorcycle so the use of this can surprise pedestrians in the vicinity of the vehicle causing possible accidents.

In pedestrian areas avoid sudden acceleration.

Attention

The accelerator Grip is an electronic element, to avoid damage and Possible accidents avoid subjecting the grip to strong radiation Magnetic or electromagnetic, as well as strong mechanical traction

Main elements of the vehicle

Right brake

When the right brake lever is actuated, the front and rear brakes are activated thanks to the brake splitter. The braking is 70% to the front brake and 30% to the rear brake.

When the lever is actuated, at the same time, the brake switch is activated, sending a signal to the rear brake light.

Left brake

When the left brake lever is actuated, only the rear brake is actuated.

When the lever is actuated, the brake switch is activated at the same time, sending a signal to the rear brake light.

Caution

Use the levers gently and gradually to stop the rear wheel and not to lock it. It is recommended to simultaneously actuate both brakes.

Attention-braking delivery

The NUUK motorcycles integrate a combined braking system, so that when the front brake lever is actuated, the braking is split between the front caliper (70%) and the rear caliper (30%). Actuating the left brake lever only activates the rear brake. This setting increases security by reducing the likelihood of lock up while maintaining a fun and agile driving experience.

Since both brake levers are connected by the braking splitter, a slight movement is perceived in each handle when the other is actuated.

Main elements of the vehicle

Starter Battery

The vehicle has a 12v and 7 Ah starter Battery, which is located under the central cover of the vehicle. It is used to start the vehicle initially.

When the system is activated by pressing a brake lever and the up or down button, the starter battery stops supplying the system, the traction battery takes over and also charges the starter battery at the same time.

To avoid completely discharging the starter battery it is recommended not to leave the vehicle on and without activating for a long period of time.

In the event of excessive discharge of the starter battery, the system will not activate. In the first excessive discharge range, the Display will light up showing the power bar with the hollow segments. In the next download range, the display will turn off. In both cases the starter battery must be recharged independently of the vehicle.

To access the starter battery, remove the top casing from the charger through the 4 side screws and a screw located in the charging cable compartment.

Main elements of the vehicle

Tires

The pressure of the tyres directly influence the stability and comfort of the vehicle, the braking distance, and especially the safety of the user, therefore it is recommended to check the inflation pressures regularly.

Caution

Do not overload the vehicle as in addition to losing stability, it increases tire wear.

Caution

When the pressure is too high, the tires stop cushioning, Directly transmitting shocks and jolts to the chassis and affecting safety, ride and comfort.

When the pressure is too low, the friction of the tires increases, causing increased wear and consumption of energy.

	dimensiones	Presión
Delantero	130/70-17	2,3 bar
Trasero	130/70-17	2,3 bar

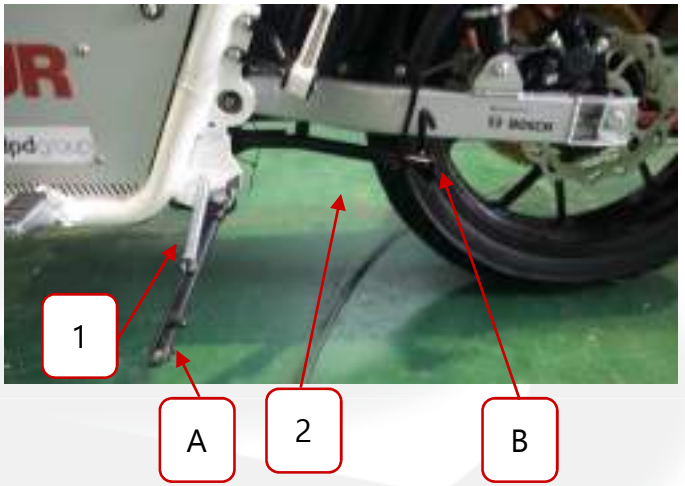
Main elements of the vehicle

Stands

The vehicle has 2 stands, one side (1) and the other Central (2).

To facilitate the deployment of any of the two stands these incorporate a support (A and B) to support the foot and be able to deploy correctly.

For the vehicle to work, the side stand must be retracted. To drive the vehicle, the side stand must be retracted regardless of the position of the center stand.



Caution

When using any of the two stands, make sure the machine is placed on a firm, flat surface.

Attention

The side stand has a safety switch that cuts off the power of the motor to avoid accidents, the central stand does not have this device.

Pre-driving checks

Check table

Check the following points before using your vehicle

Component	Check	If necessary...
Throttle Grip	The Operation	Adjust or replace
Tyres	pressure, state and wear	Inflate or replace
Battery	The Charge	Charge
Steering Operation	The smoothness of the direction The flexibility of movement Nothing is loose	Adjust or replace
Headlight Brake Light Position indicators Instrument Panel	Its lighting Its lighting Its lighting Its lighting	Replace Replace Replace Replace

Component	Check	If necessary...
Brake Discs	That are not damaged and Completely clean	Replace
Brakes	The Levers operate properly Brake fluid level is correct	Adjust Top Up

Attention

Pre-use checks must be performed every time the vehicle is used.

If an anomaly is spotted during the checks, it must be rectified before using the vehicle.

Operation of the vehicle

It is very important to know your vehicle thoroughly, as well as its operation.

Ignition sequence

To start the vehicle, insert the key into the ignition lock and turn clockwise to the on position. The Display will turn on indicating the vehicle's activation sequence as well as the front and rear lights of the vehicle. To activate the vehicle, press a brake lever and the up or down button on the mode switch simultaneously. If the sequence is successful, a beep will sound and the display shows the driving information.

Set the driving mode and lift the side stand to accelerate. Make sure the emergency stop switch is off, or the accelerator will not operate.

Before performing the vehicle activation sequence, it will not respond to the throttle drive, but other functions such as lights, indicators and horn are available.

Attention

Remember that the vehicle's starter battery feeds the lights after activating the system. Once activated, the traction batteries go on to perform this function. To avoid over discharge of the starter battery, avoid leaving the vehicle on without activating it for a long time..

Navigating the Menus

Once the vehicle is turned on, use the up and down buttons and select the mode switch, located on the left side of the handlebar, to navigate through the different menu options.

By pressing up from the NEUTRAL driving mode, you will find the GO, CRUISE and BOOST modes.

By pressing down from the NEUTRAL driving mode you will find the manoeuvre CRAWL modes reverse gear and forward, used to move slowly in both directions.

Navigating the Menus

Press the Select button to switch between different driving data: total km, partial km, partial driving time, average consumption, average speed. The driving data will be shown in the bottom left of the display consecutively. Press the Select button for approximately two seconds from the GO driving mode to reset the driving data except Total Km.

Press the Select button for two seconds from the NEUTRAL driving mode or from the home screen to access the settings menu or the user Manual. Press the Select button again for two seconds from the settings menu to return to the main menu.

A summary of the instructions for driving the vehicle can be found in the user Manual.

In the Settings menu, you can find the following data: vehicle data, Smartphone, date and time, speed, language and wallpaper.

Driving modes

The vehicle has 3 driving modes, called GO, CRUISE and BOOST, and two other manoeuvre modes called CRAWL where the vehicle moves slowly.

GO: More efficient speed mode. The delivery of power and the high speed are limited electronically, getting the highest range/autonomy. Ideal for urban cycles.

CRUISE: Intermediate speed mode, achieves a reasonable compromise between power delivery and autonomy. The top speed is electronically limited.

BOOST: High-Power speed mode, delivers the maximum power in acceleration and the maximum speed of the vehicle. Range is considerably reduced in this mode.

Neutral: Neutral speed mode, no response to acceleration. The vehicle automatically goes to this mode after 5 minutes of inactivity from any mode.

CRAWL: Manoeuvre modes. The vehicle moves at human pace both forward and reverse. Suitable for manoeuvring in complicated situations such as car parks or overcoming obstacles.

The estimated autonomy varies depending on the driving mode selected, as well as the current driving style that was used in the previous 200 kilometres.

Settings menu

Vehicle data

In the vehicle Data menu you will be able to see all the driving data on the same screen.

Smartphone

In the Smartphone menu you can configure the connectivity

with your smartphone.

Date and time

In the date and time menu you can set the date and time displayed.

Speed

In the Speed menu you can set if the speed is displayed in kilometers per hour or in miles per hour, displaying the corresponding abbreviations under the display speed indicator.

Language

In the Language menu you can set the Display language between the available languages.

Screen background

In the screen background menu you can set whether you want the background dark or clear.

Temperature

In the temperature menu, you can set whether the vehicle temperature is displayed in degrees Celsius or Fahrenheit.

Power Bar

The Power bar is a graphical indicator that measures instant energy consumption/recovery during driving.

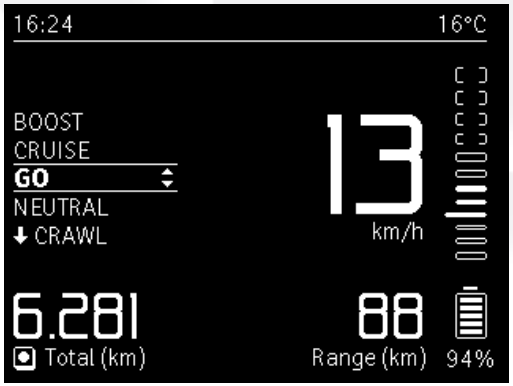
The top of the bar represents the energy consumed, while the lower part represents the energy recovered during braking. The higher the energy consumed/recovered, the greater number of segments will light up on the part of the corresponding bar.

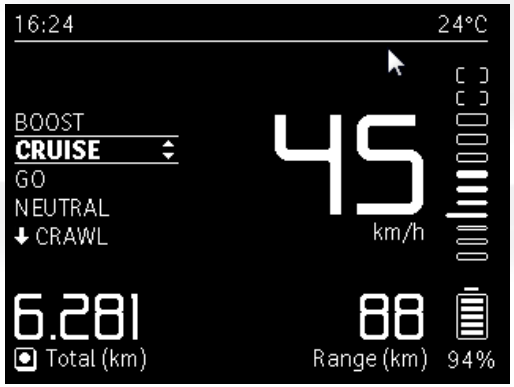
Power Bar

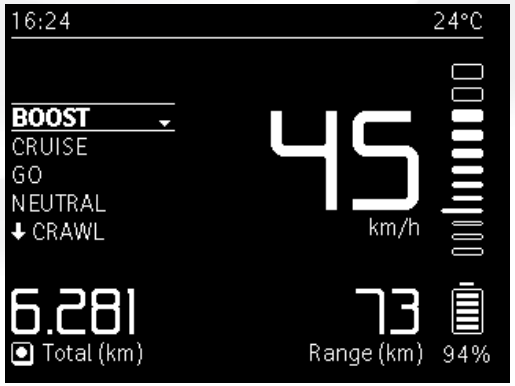
Depending on the selected driving mode or battery charge status, part of the top segments of the power bar will remain locked, indicating the instantaneous power available in each situation. This is represented in the power bar with hollow segments.

The available segments vary depending on the driving mode, so that in GO the 4 upper segments are hollow, in CRUISE the 2 upper segments are hollow, and in SPORT all the segments are complete.

As the battery charge status drops, the available segments of the power bar will also decrease, as a lower battery charge status, the maximum available power is also reduced regardless of the driving mode.

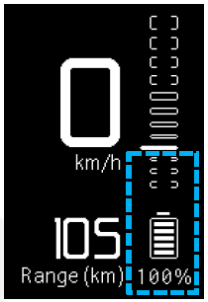






Power Bar

When the battery is fully charged, the regenerative braking function remains locked until the battery is discharged slightly (approximately 97%). This situation is indicated on the power bar with the segments corresponding to the hollow regenerative brake.



Temperature limiting power

In case of excessive temperature in any of the components of the vehicle, it will limit the available power to avoid the deterioration of components. This limitation will be reversed when the temperature drops to safe operating values.

The temperature power limitation is reflected in the lower section of the power bar corresponding to the energy recovery through hollow segments, which will be refilled when the system temperature drops to safe values. This information also indicates that the power recovery function is not available, varying the braking behaviour of the vehicle.

When limiting the delivered power, the upper segments of the power bar will not be available, but instead of indicating gaps, they will not illuminate until the temperature drops.

In case of excessive temperature in the system, which will be reflected by hollow segments in the energy recovery part of the Power bar and in the upper segments that will not be illuminated, in case of connecting the charging cable, the bike will not recharge until the temperature of the batteries has reduced. This situation will be displayed by a message on the display.

The most critical components in terms of temperature are the electric motor and the batteries. These will reach the maximum temperature when the energy consumption is maximum for a long period of time, which can happen when riding at maximum speed or when climbing a prolonged slope. They will also influence factors such as ambient temperature, pilot weight, tyre pressure, terrain type, and even the condition of the components.

Braking

To brake, the left and right brakes must be applied at the same time increasing the pressure progressively. The regenerative braking mode, similar to the engine brake of a combustion vehicle, is activated at the moment the throttle is released.

The brakes of the NUUK motorcycles include a combined braking system, so that when the right brake lever is actuated, the front and rear brakes are actuated, with a performance percentage of 70% and 30% respectively. When the left lever is actuated, only the rear brake is actuated.

The system applies a second phase of regenerative braking in the first part of the circuit of the brake levers, in such a way that the braking energy is used to recharge the batteries. The power of the regenerative brake varies depending on the driving mode (GO, CRUISE, BOOST) and is indicated on the Display through the three lower segments of the Power bar.

CAUTION

Sudden braking can cause skids or loss of control.

To Stop

Release the throttle grip, apply both brakes simultaneously to completely stop the vehicle, to disable any power connection turn off and remove the ignition key.

Traction Batteries

The battery is one of the most important elements of the vehicle, because it is the element that stores the energy that allows the movement. Proper battery maintenance will be crucial to maintaining the vehicle's initial performance in time. Lithium batteries have a high energy density, so that with the minimum weight, they get maximum energy storage. For this to be maintained over time, the batteries should not be totally discharged or subjected to extreme temperatures (below 10 °c or above 60 º C). The electricity that comes out of the batteries and feeds the engine, produces heat as it passes through the wires, increasing the system temperature. In order for the battery to not deteriorate due to this heat, the vehicle system is ready to limit the power delivered by the batteries in case of excessive heating of any component.

CAUTION

In the two-battery version, using a driving mode in which power consumption is set to maximum for a long period of time will result in system heating and consequent reduction of power to protect the system.

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Connection

The system's batteries are removable, so that they can be removed from the vehicle to be replaced by others, or charged independently of the bike through an external charger (optional accessory). The batteries are extracted by means of folding doors located in the central part of the vehicle, which are pulled to the outside to allow to extract or to insert the battery

Attention

The batteries are removable so that they can be removed from the vehicle. Although the batteries should never be tampered with by unauthorized personnel. Improper handling the batteries can cause irreparable damage to the vehicle as well as physical damage to the person who handles it. Unauthorised handling of the traction batteries will result in the loss of the vehicle's warranty.

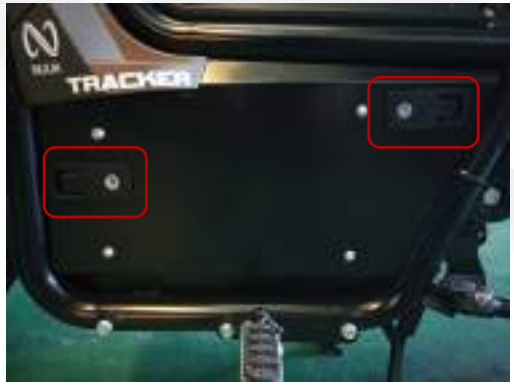
Traction Batteries

Connection and Extraction

To remove the batteries, follow the following sequence:

Place the bike on the center stand. Insert the key into the locks located on the side cover of the vehicle, and turn it clockwise to lock the lock or anti-clockwise to unlock it.

Unfold the lock lever and turn the lock anti-clockwise and clockwise so that the inside face of the lock is facing upward. This will unlock the door and gently lower the internal damper. Lightly press the door until both locks are unlocked.



Traction Batteries

Connection and Extraction

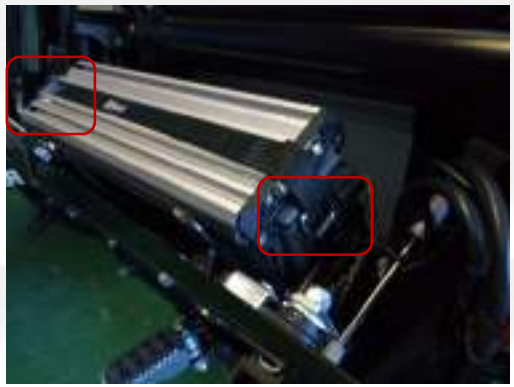
To remove the batteries, follow the following sequence:

Disconnect the battery from the bike by pulling on the red handle of the connector. The bike must be turned off when the battery is switched off.

Release the Velcro on the strap and release the strap rings on both sides of the belt from the hooks that attach it to the door.

Pull the strap and attach the Velcro to form a handle to pull to remove the battery. You can remove the strap from the rail by applying the Velcro connection to the strap.

Pull the handle to remove the battery.



To install the batteries again, follow the sequence before the reverse: Insert the battery into the cage, place the ring ends of the tape on the hooks of the cage and fix it by pressing the Velcro on the tape, connect the connector always with the bike off , push the door in to position it and fix it by turning the locks so that the inside face of the same points to the center of the motorcycle. Finally, lock the locks with the key.

Traction Batteries

Load

The Moto Nuuk has an integrated charger that will charge all the installed traction batteries.

To connect the battery, follow the following sequence:

1.-Use the ignition key of the motorbike to open the charging cable compartment. Turn the ignition key clockwise to open the compartment and lift the lid.

2.- Remove the charging cable completely so that it is extended and connect the end to a household plug.

Attention

If charging cable is not completely stretched, both from the motorbike and or exchange for an extension cord, it can cause excessive heating, which can cause damage to the motorbike or fire hazard.

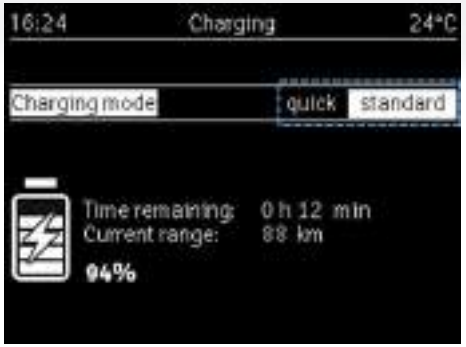
Traction Batteries

Charging

3.-Select the charging mode between normal charge and fast charge. When connecting the charging cable to a plug, the charge will automatically start in the normal charge mode. The normal charging time is approximately 4,5 hours. If you need to charge the battery in a shorter time, press the Select button on the selector button and the charge mode will change to fast charge. Use the fast charge mode only when necessary, as continued use of this mode will reduce the battery life time. It is recommended to use the normal charging mode as far as possible.

4.-The charging time of a pack of 2 batteries in normal charge mode is approximately 4.5 hours. The charging time in fast charge mode is 1.8h for approximately 50% of the load, provided that the temperature conditions are favourable. Charging time depends on factors such as outdoor temperature, battery temperature, or battery life status. In order for the battery to be charged, the temperature of the batteries must be less than 45 º C. When a sporty ride is carried out or the ambient temperature is high, it is possible to reach a battery temperature higher than 45 º C. In this case an error message will be indicated on the Display and the start of the charge will be automatically delayed at the time the battery temperature decreases.

Both in the normal charge mode and in the fast charge mode, the load percentage and the estimated charge time are shown on the Display at all times. The estimated charging time depends on the temperature and other factors, so that it can vary between the beginning and the end of the load.



Battery

Correct operation

The following section explains how to use the batteries to obtain the best performance.

The bike has installed two lithium batteries, which operate in parallel. To ensure proper operation, both batteries must be charged and discharged simultaneously. In case of connecting a battery with a higher state of charge than the other, the performance of the bike will be reduced, as the bike uses the most charged battery in the first place.

NUUK batteries are lithium, meaning they have no memory effect. To extend the life of the batteries, it is recommended to charge the batteries as frequently as possible and avoid deep discharges. That is, if you charge the batteries of the motorbike after each use regardless of the state of charge, the batteries will last for more years in good condition.

New batteries need several charging cycles to achieve their maximum performance, during which the performance of the bike will be slightly lower, and also the charge times will be higher than those indicated in the manual.

Use with a single battery:

The electric bike NUUK version 8.5 KW will work if only one battery is connected, but it will heat up quickly limiting the power of the system. Use with a single battery is only provided for an emergency or breakdown.

In the case of version 4 KW The bike is designed to work with both one and more batteries.

Use with 3 or more batteries:

If more than 2 batteries are installed in the 8.5 KW version, the performance of the motorcycle will increase, so that not only increases the range, but it can be ridden with maximum power consumption without heating the system for longer periods of time.

In the case of the 4kw version, increasing the number of batteries will not be perceived as a performance aid, but increases the range depending on the number of batteries installed.

Traction Battery

Prolonged storage

The NUUK motorcycle battery has an internal control system and can be stored for extended periods of time, provided it is maintained under the conditions described below.

To minimize the impact of a prolonged stop, the traction battery (48v) must be charged between 40% and 60% of the total. The starter battery must be fully charged at the time of shutdown.

It is recommended to clean the bike properly and grease the moving parts before a prolonged stop.

The charging status of the batteries must be checked monthly to verify that the charging status is correct. If it is below the specified range, the battery must be recharged until it is.

The system automatically wakes up every certain time to check the condition of the components and if needed, recharge the starter battery. This produces a consumption in the traction batteries, so that their state of charge can go down as time passes.

Maintenance

Periodic reviews

An electric vehicle needs much less maintenance than a traditional explosion vehicle, however it is necessary to carry out proper maintenance of the mechanical elements for their correct operation and to lengthen the life of the vehicle.

Maintenance table	First Service 500 Kms.	Second servvice 3.000 Kms.	Service Each 5.000 Kms.	Service Each 10.000 Kms.
Brake system	*	*	*	
Suspension	*	*	*	
Screws and nuts: chassis – Plastics	*	*	*	
Electrical system	*		*	
Chain tension and Wear	*	*	*	
Belt tension and Wear	*	*	*	
Rear Carrier	*	*		*
Traction Battery Connectors	*	*		*

* Verify specified component

Maintenance

Transmission adjustment

The transmission for the electric motorbike consists of a double stage formed by a belt and a chain, which are joined by an intermediate pulley. The belt provides smooth operation and protects the motor from vibration, while the chain provides robustness to operation and facilitates maintenance processes.

In order for the transmission to work properly, both the belt and the chain must be at the proper tension, first tensioning the transmission belt and the chain in the second place. The maintenance of the transmission belt must always be carried out by an authorised service technician, who will have the tools and the necessary knowledge to do it correctly.

To tighten the chain, it must be actuated on the tensioners located on the rear wheel axle. The rear axle fixing nut must be loosened and the two tensioners should be moved so that the wheel moves backwards until the chain tension is correct.

With the chain at the proper tension, it may move between 35 and 45 mm vertically in the central part of the chain.

Maintenance

Brake system

The Electric motorcycle NUUK has a combined braking system, in such a way that when the front brake is actuated, the braking will be divided by 70% in the front brake and 30% in the rear brake. When the rear brake is actuated, only the rear brake will be actuated.

The front and rear brake fluid tanks are located on the handlebars. To check the brake fluid level, place the bike in a horizontal position and use the inspection glass of each liquid tank. The fill line must exceed the MIN mark located on each visor. As the pads wear out the brake fluid level may drop.

The minimum wear level of the pads should not be less than 1.5 mm.

Check that the Disc is not grated or warped, and that the fixing screws are properly tightened.

Starter Battery

The bike features a 12v starter battery and 12Ah, which is located under the cover of the charger. To access it, loosen the 4 screws on the corners of the cover and the screw located inside the charging cable compartment.

When the vehicle is turned on, the system uses the starter battery to start and activate the lights. When the vehicle's activation sequence is carried out, the traction batteries go on to perform this function. In case of leaving the vehicle on and off, the lights will drain the starter battery so that it cannot be activated.

The traction battery is recharged by the traction batteries if the voltage is lowered, as long as they are charged.

In case of excessive lowering of the voltage of the starter battery, charge independently of the vehicle or go to an authorised service technician.

Maintenance

Fuses

The electric motorcycle NUUK has several fuses for the protection of the system.

The lighting system fuses are located under the left side cover. To access them, remove the left side cover and the fuse box cover.

The starter battery fuse is located next to the positive terminal of the starter battery, following the wiring.

The fuses on the charger and the starter battery are located in the rear swingarm of the vehicle.

System	Amperage	Voltage
Position Light	25 A	32 VDC
Indicators, horn, display	25 A	32 VDC
DCDC Transformer	7,5 A	58 VDC
Charger	40 A	58 VDC
Starter Battery	15 A	58VDC

Long-term cleaning and storage

Cleaning

The cleaning of the vehicle will improve its performance and extend the life of its components. It is very important to do the cleaning correctly, avoiding the use of pressurized water, as this can cause damage to the electrical elements.

Cleaning operations:

1.-Check that the vehicle is off and is not in the process of charging.

2.-Wash all surfaces with warm water and mild, neutral detergent.

3.-Remove the soap with cold water and then dry all the surfaces.

4.-Clean the saddle with clean vinyl upholstery.

5.-Before starting the vehicle check that it is well dry and water has not entered the electrical elements.

Attention

Do not use degreasing elements, Rieju is not responsible for the use of degreasing elements that Stain or deteriorate parts of the vehicle.

Rieju is not responsible for possible damages and damage caused by the use of pressurized water for cleaning of the vehicle.

Long-term cleaning and storage

Prolonged storage

For prolonged storage of the vehicle it is advisable to pre-clean as described above. In prolonged storage The most critical point is the correct maintenance of the battery, in order not to damage the vehicle, follow these steps before storage specified in the section on prolonged battery storage.

1.-Clean the bike and grease the moving parts.

2.-Store the vehicle in a dry place away from water or moisture.

2.-the battery must be between 40% and 60% of the load.

3.-Check monthly the state of charge of the traction battery, in case of lowering it below 40%, recharge the battery until it is within this range

Attention

A total discharge of the battery for an extended period of time can cause irreparable damage to this, making it impossible to recharge and later use.

Technical specifications of the vehicle – 4 KW

Motor	ESM (Electric excited Synchronous Motor)
Voltage	48V
Power	4 KW
Torque	430 Nm
Cooling	Air
Maximum speed	45 km/h
Range	Efficient driving – 15 Wh/km: 150 KMS
	Normal driving – 23 Wh/km: 100 KMS
	Sports Driving – 30 Wh/km: 75 KMS
Battery	Removable lithium-Ion battery
Battery capacity	50 AH (100 AH kit optional)
	2.4 kwh (kit 4.8 kwh optional)
Recharge * *	Standard mode: 4.5 h (100%); Fast charge: 1.8 H (50%)
Type of charger	Integrated (external charger optional)
Bms	Integrated
Chassis	Tubular double Cradle Ø 40 mm

Material	Steel
Transmission	Double stage Belt-chain 1:10,15
Front suspension	Ø 41 mm 90 mm travel
Rear suspension	Mono shock absorber on left side. Preload adjustment. 90mm Travel
Front brake	Ø 280 mm. Radial Clamp 4 Piston
Rear brake	Ø 220 mm. Floating caliper
Wheels	100/80-17 & 130/70-17
Access height	520 mm
Seat height	785 mm
Maximum width	782 mm
Wheelbase	1400 mm
Weight	138 kg

* Range indicated according to the consumption shown on the Display * * Approximate values

Technical data of the vehicle – 8.5 KW

Motor	ESM (Electric excited Synchronous Motor)	Material	Steel
Voltage	48V	Transmission	Double stage Belt-chain 1:10,15
Power	8.5 KW	Front suspension	Ø 41 mm 90 mm travel
Torque	430 Nm	Rear suspension	Mono damper on left side.
Cooling	Air		Preload adjustment. 90mm Travel
Maximum speed	110 km/h	Front brake	Ø 280 mm. Radial Clamp 4 Piston
Range	Efficient driving – 30 Wh/km: 150 KMS	Rear brake	Ø 220 mm. Floating caliper
	Normal driving – 45 Wh/km: 100 KMS	Wheels	100/80-17 & 130/70-17
	Sports Driving – 60 Wh/km: 75 KMS	Access height	520 mm
Battery	Removable lithium-Ion battery	Seat height	785 mm
Battery capacity	100 AH (150 AH & 200 AH kits optional)	Maximum width	782 mm
	4.8 kwh (kits of 4.8 kwh; 7, 2Kwh; 9.6 kwh optional)	Wheelbase	1400 mm
		Weight	150 kg
Recharge * *	Standard mode: 4.5 h (100%); Fast charge: 1.8 H (50%)		
Type of charger	Integrated (external charger optional)		
Bms	Integrated		
Chassis	Tubular double Cradle Ø 40 mm		

* Range indicated according to the consumption shown on the Display * * Approximate values