



Content

Welcome to Nerva	3
About this manual	4
Safety instructions	5
Safety pre-checks	5
Equipment	6
Recommendations for safe driving	7
Cargo transported	8
Vehicle identification	9
Chasis number and motor number	9
Location of components and controls	10
Right side view	10
Left side view	11
View from the driving seat	12
Instrument panel	13
Instrument panel settings	16
Pairing a mobile phone with the NERVA Lift screen	17
Access to secondary battery, fuses and OBD connector	18
Glove compartment	18
Bag/bag hook	19
USB connector	19
Keyless access fob	19

Ignition knob	21
Left-hand switch	22
Right-hand switch knob	23
Passenger footrests	24
Lighting	25

Operation	26
Adjustment of rear-view mirrors	26
Cargo compartment	26
Charging the battery	27
Side kickstand	31
Central kickstand	31

Driving instructions	32
Start-up	32
Driving modes	33
Economic driving	34
ABS braking	34
Regenerative braking	35
Traction Control TCS	36
Stopping the motor	36

Maintenance instructions	37
Brake fluid level	37
Brake pads	37
Cleaning the scooter	37
Long-term storage of the scooter	38
Tyre and wheel maintenance	38

Technical changes, accessories and spare parts	39
Condition of tyres	39
Batteries	40

Maintenance plan	41
-------------------------	-----------

Technical characteristics	42
Motor	42
Transmission	42
Chassis	42
Electric equipment	43
Dimensions and weights	43

Vehicle warranty	44
Warranty exclusions	44
Battery warranty	46
Summary of warranty periods	46

Thank you for choosing the NERVA LIFT scooter

We would like to thank you for choosing the NERVA LIFT city scooter. NERVA has harnessed the latest electric motor, battery and electronics technologies in the development of this vehicle, ensuring that you can enjoy feature-packed transportation that's comfortable for the passenger and affords effective protection from inclement weather, while being equipped with a high-performance motor unit that achieves not only high acceleration and maximum speed, but considerable autonomy as well.

In terms of the batteries used, the NERVA LIFT scooter uses the new LFP BLADE Lithium Iron Phosphate battery technology, which does away with the need for various toxic materials such as manganese, nickel and cobalt that are used in conventional NMC Lithium Iron Phosphate batteries. This new technology used by manufacturer BYD is the one chosen to power the NERVA LIFT. The LFP BLADE battery has been designed with a priority focus on safety. It has passed rigorous tests, such as nail penetration, without emitting smoke or fire, and maintaining surface temperatures between 30 and 60°C, significantly lower than conventional batteries, which can exceed 500°C under similar conditions. This thermal stability also translates into greater longevity; which is why NERVA offers a 5-year warranty on BYD LFP BLADE batteries.

The NERVA LIFT scooter is classified as L3e with a

rated power of less than 11 kW, which means that it can be driven with a B-type car driving licence at least 3 years old without any additional formalities or costs, as well as with an A1-type driving licence from the age of 16.



About this manual

CAUTION

- Text with this symbol indicates extremely dangerous situations that, if ignored, could result in serious damage or injury.

WARNING

- Text with this symbol indicates dangerous situations that, if ignored, could result in minor damage or injury.

NOTE

- Text with this symbol indicates dangerous situations that, if ignored, could result in damage to the vehicle.

Safety instructions

Security pre-checks

WARNING

- This section must be followed meticulously, otherwise you may suffer a serious accident or even be killed.
- Before starting a journey, first carry out safety checks on your vehicle. A vehicle without technical faults is a basic requirement for its integrity and safety, as well as for other road users.
- For your safety, use only original spare parts or accessories authorised and certified by NERVA ECO, S.L. If you need access to an approved product or accessory, please contact your authorised dealer or go to the website (www.NERVA.eco).

Always check the following points:

- › **Handlebars:** These must rotate smoothly, without any vertical looseness or play.
- › **Brakes:** The front and rear brake levers must be free of oil and grease, have the recommended play, and illuminate the brake light on the rear light when operated. Check the brake fluid level in both brake pumps.
- › **Accelerator:** The accelerator grip should have the recommended play, with smooth operation and immediate recovery when released.
- › **Tyres:** The tyres must be at the recommended pressure, and the tread surface must not show any cracks or be worn down to the limit. Check the condition of the tyres.
- › **Suspension:** When pressure is applied to the fork or shock absorbers, the vehicle must yield and recover when the pressure is released.
- › **Lighting and horn:** Check the operation of the direction indicators, front headlight beams, rear light and brake light. Sound the horn. Clean the lenses of the various lighting components.
- › **Load sharing:** Distribute the load evenly to keep the vehicle balanced, making sure that it does not interfere with handlebar movement or suspension travel, does not exceed the maximum load limit, and does not block any of the lights.

If you identify any problems with the vehicle, contact the NERVA Technical Assistance Service.

If the scooter is not used for a long period of time, a layer of rust may build up on the brakes and thus reduce the braking power. Such a layer of rust can cause the brakes to lock up. It is recommended that after a prolonged period of non-use, you brake carefully until they are working properly again.

Equipment

Safety starts with the equipment required to ride this scooter:

- › Wear an approved safety helmet and fasten it correctly.
- › Wear comfortable and appropriate protective clothing in bright or reflective colours to warn other traffic of your presence.
- › Use gloves that keep your hands warm and offer an good sense of touch and abrasion resistance.
- › Wear close-fitting clothing (neither too tight nor too loose) to avoid snagging on vehicle controls.
- › Wear sturdy shoes with low heels and ankle protection.



Recommendations for safe driving

CAUTION

- **Braking distances can increase significantly with wet tyres or wet brake discs.**
- **Avoid abrupt use of the accelerator. Rough use can lead to loss of control of the vehicle.**
- **Beware of side wind, it can destabilise the scooter.**

WARNING

- **Always obey the traffic rules.**
- **Always adapt your driving mode to the road and traffic conditions.**
- **On wet or loose gravel, vehicle stability and braking may be limited by the condition of the tyres.**
- **The condition of your brakes and wheels depends directly on the way you drive.**

Safety is, to a large extent, determined by the user's driving style. Therefore, follow the recommendations below:

- › Put your feet on the platforms and only put them out of the way to rest on the ground at stops.
- › Hold the handlebars with both hands.
- › Drive within your limits. Do not try to surpass your personal skills and abilities. Adapt to road and weather conditions, leaving room for unfo-

reseen events.

- › Exercise extreme caution and slow down in bad weather (icy, rainy, or windy).
- › Do not take any kind of narcotic drug before driving. Your driving ability and reaction time may be impaired under the influence of alcohol, drugs and medication. Do not drive under the influence of any of them.
- › It is recommended not to accelerate or brake sharply. Heavy use of the accelerator and brake can lead to high battery consumption. Please note that as an electric vehicle, power delivery is almost immediate. Use the accelerator with care in low grip conditions (wet, cold, etc.).
- › Particular care should be taken in side winds and when overtaking large vehicles.



Cargo transported

WARNING

- For your safety, do not exceed the weight limit under any circumstances.
- Take particular care when transporting liquids that may spill on the vehicle or harm other road users.

The behaviour of the vehicle can be influenced by the load carried and its arrangement. Overloading affects the stability, handling and safety of the vehicle.

The maximum load supported by this vehicle is **190 kg**, taking into account the weight of the driver and potential passengers and luggage. Under no circumstances is it permitted to exceed this value.

Do not place any material outside the spaces designed for transport.

Do not exceed 10 kg of weight inside the main cargo compartment under the seat.

Distribute the load evenly and place it as close to the centre of the vehicle as possible.

Check that the load is securely fastened.

Vehicle identification

Chassis number and motor number

NOTE

- The right side is taken from the driver's perspective.

The vehicle can be identified in three different ways:

- › The nameplate [1].
- › The chassis number [2].
- › Motor number [3].

Make a note of the VIN/chassis and motor numbers when ordering spare parts.

This section shows where to find these numbers.

1. Nameplate

This plate is located on the inside of the rear wheel arch, riveted to the passenger seat.



2. Chassis number

Inside the cargo compartment under the seat, under the plastic cover with the VIN number.



3. Motor number

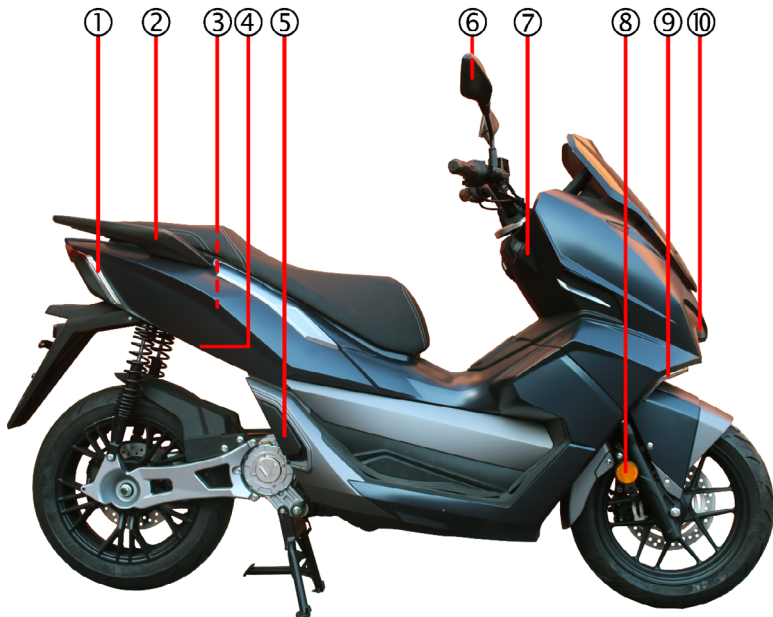
On top of the electric motor housing, visible from the right-hand side.



Location of components and controls

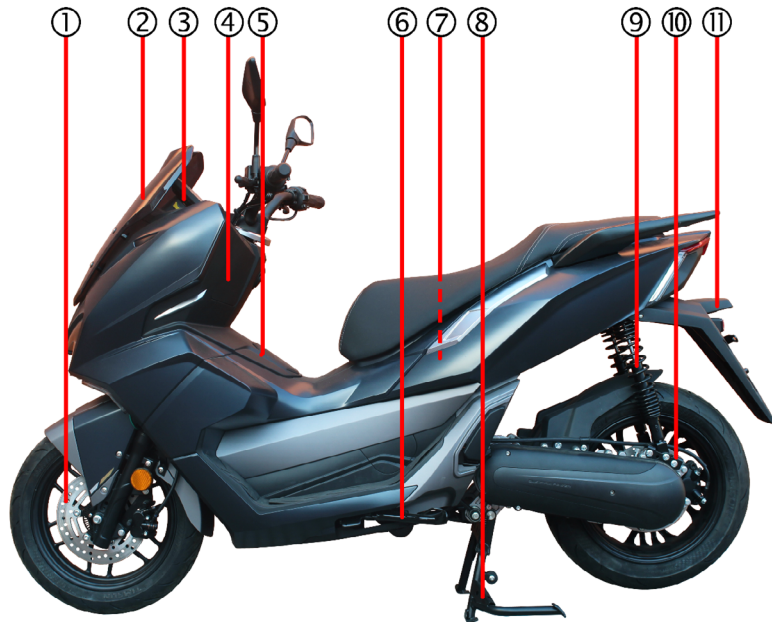
Right side view

- [1] Rear indicator
- [2] Side handle
- [3] Vehicle Identification Number (VIN)
- [4] Vehicle identification plate
- [5] Passenger footrest
- [6] Rear-view mirror
- [7] Ignition knob
- [8] Retro-reflector
- [9] Front indicator
- [10] Headlight



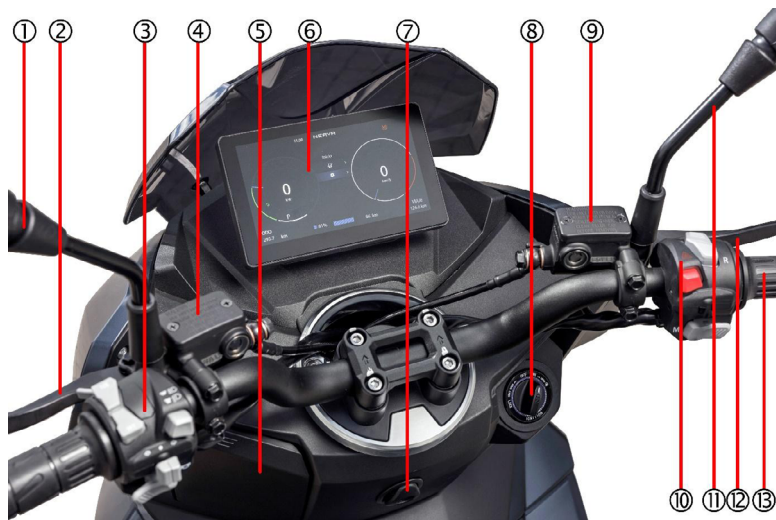
Left side view

- [1] Front disc brake
- [2] Windscreen
- [3] Instrument panel
- [4] Glove compartment
- [5] Power socket (recharging)
- [6] Side kickstand
- [7] Main cargo compartment
- [8] Central kickstand
- [9] Shock absorber
- [10] Rear brake
- [11] Number plate light



View from the driving seat

- [1] Left rear-view mirror
- [2] Rear brake lever
- [3] Left-hand switch
- [4] Rear brake pump
- [5] Glove compartment
- [6] Instrument panel
- [7] Hook
- [8] Ignition knob
- [9] Front brake pump
- [10] Right-hand switch knob
- [11] Right rear-view mirror
- [12] Front brake lever
- [13] Accelerator grip



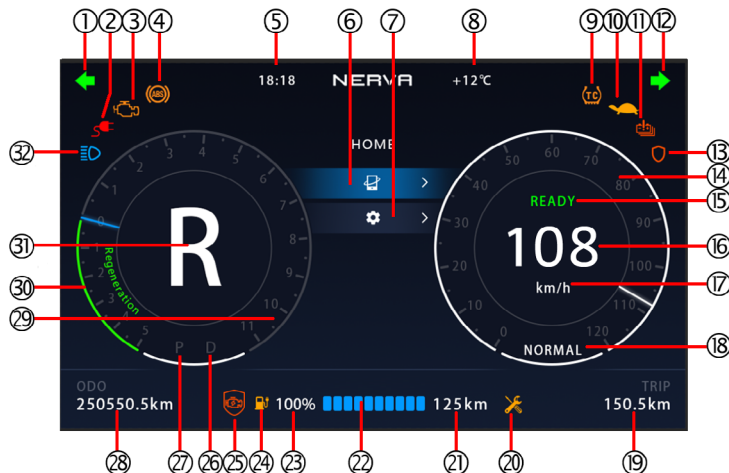
Instrument panel

The scooter's instrument panel is based on a high-resolution TFT colour display. The display itself is grouped with a number of warning lights at the top of the display.

The components of the instrument panel are listed below.

- [1] Left warning light
- [2] Recharge warning light
- [3] Motor malfunction warning light
- [4] ABS Antilock Brake Warning Light
- [5] Time clock
- [6] Mobile phone connectivity
- [7] Settings
- [8] Ambient temperature
- [9] Traction Control TC warning light
- [10] "Turtle" warning light
- [11] Battery warning light
- [12] Right warning light
- [13] Battery protection warning light
- [14] Analogue speedometer (standard cruise)
- [15] READY
- [16] Digital speedometer
- [17] Units
- [18] Driving mode
- [19] Trip odometer (TRIP)
- [20] Periodic maintenance warning light
- [21] Autonomy
- [22] Graphic battery charging
- [23] Battery charge percentage
- [24] Load reserve

- [25] Motor overheating warning light
- [26] Mode D (DIRECT)
- [27] Mode P (PARKING)
- [28] Odometer (ODO)
- [29] Power consumption
- [30] Regenerated power
- [31] Digital display of consumed or regenerated power/R (Reverse) mode
- [32] Testigo de luz larga (carretera)



[1] Left warning light: This green warning light flashes together with the left-hand side indicators when the indicator switch on the left-hand stalk switch is moved to the left. To turn off the turn signals, press the switch to its centre position.

[2] Recharge warning light: This red warning light illuminates when the scooter's battery is being recharged.

[3] Motor malfunction warning light: This orange warning light illuminates when there is an anomaly in the motor. If this happens, reduce speed and take the vehicle to a NERVA Technical Assistance Service.

[4] ABS Antilock Brake Warning Light: This orange warning light remains illuminated until the vehicle starts to move and then goes out. If there is a malfunction in the ABS anti-lock braking system, this warning light will illuminate when the vehicle is in motion. In this situation, the brakes will operate in a conventional manner without ABS functionality. Drive with caution and contact the NERVA Technical Assistance Service for repair as soon as possible.

[5] Time clock: This may be adjusted via the mobile app.

[6] Mobile phone connectivity: Enter this option by selecting it with the cursor button "↓" and confirming it by pressing the "OK" button on the left-hand switch to link a mobile phone to the scooter.

[7] Settings: Enter this option by selecting it with the cursor button "↓" and confirming it with the "OK" button on the left-hand switch to switch to the settings screen offered by the NERVA Lift

screen.

[8] Ambient temperature: Displays the outdoor temperature in positive or negative degrees Celsius. Use caution when the outside temperature approaches 0°C, as the road surface may be icy.

[9] Traction Control TC warning light: The warning light will illuminate for a short time when the motorbike is switched on. It will flash as soon as the traction control is activated. When the traction control is faulty, the warning light will illuminate. In these situations, you should contact a Nerva Technical Assistance Service for repair.

[10] "Turtle" warning light: This orange warning light illuminates when the battery charge (SOC) is less than 15%. When this happens, the vehicle goes into battery saving mode. The maximum speed is limited.

[11] Battery warning light: This orange warning light illuminates when the vehicle detects that the batteries are not working properly. It is advisable to stop the vehicle and contact a NERVA Technical Assistance Service for repair.

This warning light lights up when a Level 1 or 2 alarm occurs:

Level 1: Level 1 alarms are activated when the battery is operating close its safe operating limits. In this case, the battery warning light flashes.

Level 2: Level 2 alarms are activated when the battery is operating outside to its safe operating limits. In this case, the battery warning light lights up continuously.

If the warning light remains on after a complete charging cycle, please contact the NERVA Technical Assistance Service for repair.

[12] Right warning light: This green warning light flashes together with the right-hand side indicators when the indicator switch on the left-hand control is moved to the right. To turn off the turn signals, press the switch to its centre position.

[13] Battery protection warning light: This orange warning light illuminates when a battery protection mode is activated. This occurs when driving for a while at full power. With this protection mode, the functionality and durability of the components is ensured.

[14] Analogue speedometer (standard cruise): Its needle shows the cruising speed on a 0 to 120 km/h scale with a white outline.

[15] READY: This message appears when P-mode is deactivated indicating that the vehicle is ready for use.

[16] Digital speedometer: Displays the cruising speed in km/h numerically.

[17] Units: In the frame settings screen you can choose between metric (km, km/h) or imperial (miles, mph) units.

[18] Driving mode:

[18a] ECO mode: This mode is selected by repeatedly pressing the "M" button on the right hand knob (cyclic) until ECO is displayed. In this mode, the maximum speed is limited to 50 km/h and is suitable to consume less energy from the battery preferably in urban use. Maximum available power is 60% and maximum torque is 70%.

[18b] NORMAL mode: This mode is selected by repeatedly pressing the "M" button on the right hand knob (cyclic) until NORMAL is displayed. In

this mode, the maximum speed is limited to 80 km/h and is suitable for moderate consumption on secondary roads or urban bypasses. Maximum available power is 70% and maximum torque is 80%.

[18c] SPORT mode: This mode is selected by repeatedly pressing the “M” button on the right hand knob (cyclic) until SPORT is displayed. In this mode there is no maximum speed limit and it is suitable for driving on motorways and dual carriageways. The vehicle’s autonomous range is considerably reduced.

[19] Trip odometer (TRIP): Displays the distance travelled on a trip since this counter was reset. To restart, enter the Settings menu and select the following: Reset → Partial Odometer → Reset.

[20] Periodic maintenance warning light: This warning light illuminates when the mileage indicated in the Maintenance Plan has been covered.

[21] Autonomy: Estimation of the remaining range until the next recharge based on the pace maintained. Increasing the pace will decrease the range estimation and decreasing the pace will increase the range estimation.

[22] Graphic battery charging: Displays the remaining battery charge on a horizontal, segmented graphical scale.

[23] Battery charge percentage: Displays the remaining charge in the battery in a numerical percentage format.

[24] Load reserve: Illuminates when the battery charge falls below 20%.

[25] Motor overheating warning light: Illuminates when the motor temperature exceeds 100°C.

[26] Mode D (DIRECT): The scooter is ready for use. Turning the accelerator grip starts the vehicle.

[27] Mode P (PARKING): In this mode, the scooter is active but is prevented from operating, either because the P button has not been switched off from the left hand control, or because the side kickstand is folded out. In this mode, the information on the right-hand side of the display is not shown and all lighting elements, including those on the instrument panel, are active.

[28] Odometer (ODO): Shows the total distance travelled by the scooter since its manufacture.

[29] Power consumption: This clock analogically displays the power consumed by the motor in kW (kilowatts) in real time. From the needle’s rest position (0), the needle increases clockwise with full scale at 11 kW.

[30] Regenerated power: This clock analogically displays the power regenerated by the motor in kW (kilowatts) in real time. On this scale, the needle

advances counter-clockwise with a full scale at 5 kW, showing the power regenerated by the motor to the batteries when the acceleration is stopped or, to a greater extent, when the brakes are applied. In regenerative mode, the motor partially brakes the vehicle.

[31] Digital display of consumed or regenerated power/R (Reverse) mode: Numerically displays the power consumed or regenerated by the motor in kW. The regenerated power is displayed in negative. R (REVERSE) mode: When Reverse

mode is activated by pressing the R button on the right hand grip, a large “R” will be displayed to indicate that the vehicle is ready to reverse.

[32] High beam (main beam) warning light: This blue warning light illuminates when the high beam or main beam is selected on the left-hand control dial. Switch to low beam or dipped beam when approaching another vehicle from the front or rear.

Instrument panel settings

Use the cursor button “↓” to select “⚙” and confirm your selection by pressing the “OK” button on the left-hand switch to enter the settings menu. The options in the settings menu are:

Language

- › English
- › French
- › Spanish

Units

- › Metric (Km)
- › Imperial (Mi)

Time

- › 12H
- › 24H
- › E: XX
- › M: XX

Maintenance reminder: (Indicates the number of km to go before the next maintenance)

- › Restore

Reset Partial Odometer

- › Restore

Info version: information to aid the Technical Assistance Service

- › Version V1.1
- › Interface version V1.0

Use the cursor button “↓” and confirm with the “OK” button to set the menu options.



Pairing a mobile phone with the NERVA Lift screen:

1. Pairing

Select “

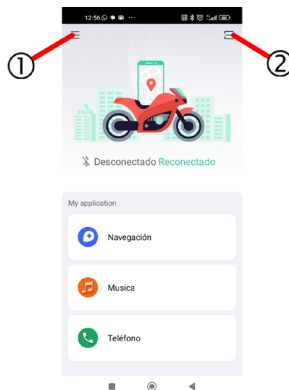


The screen will display a QR code. Scan it with your mobile phone and you will be directed to the Carbir website, where you can download and install the Carbir Ride App for Android or iPhone operating systems. You can also install the App by going to the Play Store (Android) or App Store (Apple) and searching for "Carbir Ride").



2. Carbit Ride

Once the application is installed, the following main screen will be displayed:



Pressing **1** accesses the Carbit Ride settings menu, while pressing **2** connects the App with your mobile phone (via pairing).



Figure 1



Figure 2

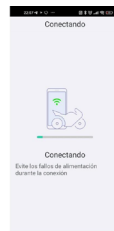


Figure 3

[Figure 1]: Shows the options in the settings menu.

[Figure 2]: Shows the QR scanner to pair the mobile phone with the NERVA Lift screen via the QR code shown above to download the App. This screen allows pairing by both QR code and Bluetooth connection.

[Figura 3]: Shows the pairing process of the NER-VA Lift display with the mobile phone.

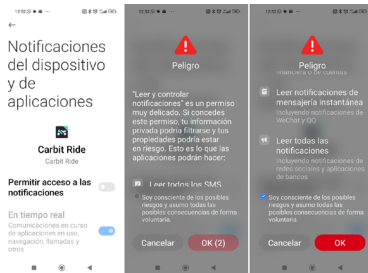


Figure 4

Figure 5

Figure 6

For full operation of the application, including interaction with the NERVA Lift's TFT screen, notifications must be authorised.

[Figures 5, 6 y 7]: demonstrate how the user may consent to read SMS messages, instant messages (e.g. WhatsApp) and all notifications (e.g. incoming calls) that will be displayed on the scooter's screen.

Access to secondary battery, fuses and OBD connector

To access the secondary battery, remove the bottom cover of the charging compartment under the seat by loosening the screws that secure it. The fuses and the OBD diagnostic connector are under the boot.



Glove compartment

WARNING

- **For safety reasons, do not leave anything inside the vehicle when parking — it does not have a lock.**

On the upper left-hand side of the counter-shield you will find a glove compartment for carrying small items (mobile phone, cash for paying tolls, etc.). The access lid may be opened by simply touching the lined surface of its upper edge, leaving it completely open so that protruding objects (e.g. water bottles) may be carried.



Bag/bag hook

At the top centre of the back shield you will find a practical hook for hanging bags, handbags or rucksacks.



To use it, just pull it out and attach the handle of whatever you wish to hang up. The spring on the hook will keep it closed and secure.



WARNING

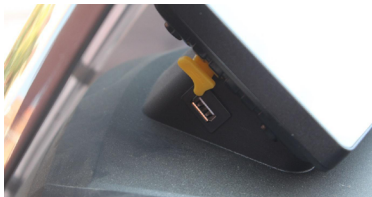
- Avoid hanging objects weighing more than 1.5 kg.

USB connector

On the left side of the instrument panel's TFT display base, you will find a yellow cover that covers and protects the USB connector where you can connect a mobile phone (for on-the-go charging or use as an auxiliary GPS navigator) or any USB device.



Its internal circuit has short-circuit and overvoltage protection. After using this connector, do not forget to cover it again with the cap.



Keyless access fob

WARNING

- Keep the spare access fob in a safe place.

The vehicle is delivered with one keyless remote control with a mechanical key, and one additional mechanical key.

Each access fob incorporates a unique, machined key blade that acts on the ignition knob to access the under-seat charging compartment when the battery charge is fully depleted. The same mechanical key blade is integrated into the keyless access fob.



Access to the mechanical key

Turn the keyless access fob to reveal its rear face and press the button to detach the key from its holder, revealing the mechanical key blade.



Keyless access fob backup

Order a new keyless access fob from a NERVA point of sale, quoting the serial number on the back of the key.



Keyless access fob buttons

[1] **Activation button (range 10 metres):** Press this button to activate the vehicle and select the desired operation from the ignition knob.

[2] **Botón localizador (alcance 15 metros):** Press this button to locate the vehicle in a parking space. When pressed, the vehicle will emit a flashing sequence on the direction indicators.

[3] **Deactivation button (range 10 metres):** Press this button to activate the vehicle and select the desired operation from the ignition knob.



Use of the mechanical key

If the keyless access fob runs out of charge, you can access the seat or the hatch of the charging socket using the following manual procedure:

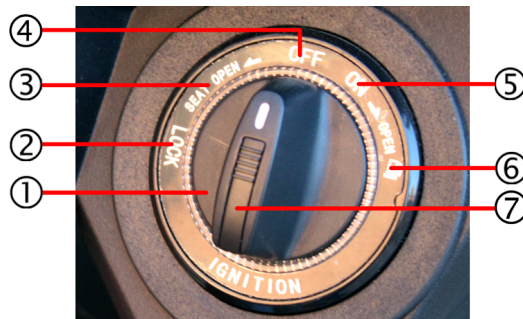
1. Slide down the cover in the centre of the ignition knob.
2. Insert the mechanical key into the hole left by the cover.



3. Operate the ignition knob from the handle of the inserted key.

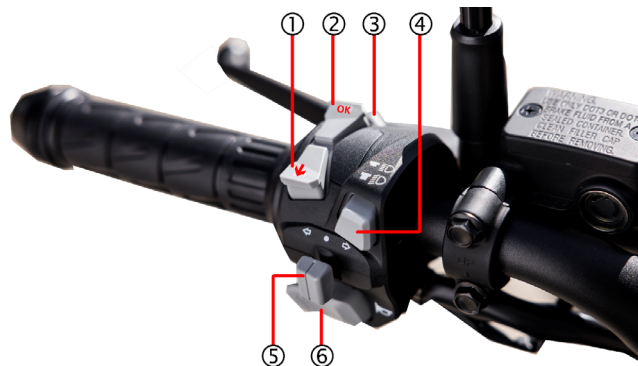


Ignition knob



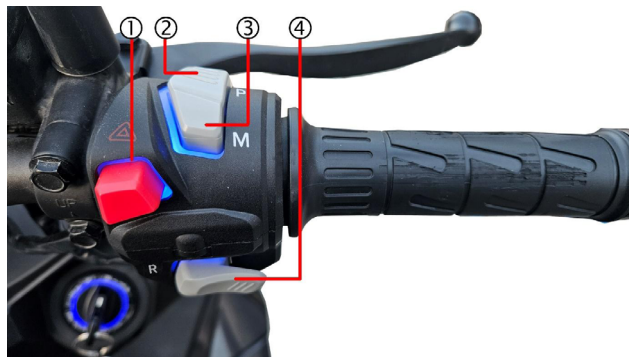
REF.	BUTTON	FUNCTION
1	ACTIVATION	Function: Push the knob inward when the keyless Entry Key is near the vehicle to activate it and select the desired operation. This operation can also be performed by pressing the activation button [1] on the keyless Entry Key.
2	LOCK position	First turn the handlebar all the way to the left, then press the knob and turn it counterclockwise to this position. The handlebars will be locked to prevent theft of the vehicle.
3	SEAT position	Turn the ignition knob counterclockwise to this position without pressing it. The seat lock will be released and the seat can be opened to gain access to the inside of the seat.
4	OFF position	In this position the vehicle will be deactivated, leaving all electrical circuits switched off.
5	ON position	Turning the ignition knob clockwise to this position will activate the vehicle and all its circuits will be ready for operation.
6	CHARGE position	From the ON position, turn the ignition knob clockwise to this position to open the flap that gives access to the Type 2 charging socket connector.
7	Cover for the mechanical key	Slide the cover in the centre of the ignition knob downwards, then insert the mechanical key supplied with the keyless access fob to operate the ignition knob if the vehicle battery or the keyless access fob's button-battery is depleted.

Left-hand switch



REF.	BUTTON	FUNCTION
1	Button "↓" (DOWN)	Press this button to move the cursor down. Once the cursor is positioned on the lowest option on the screen, if you press "↓" again, the cursor will be positioned on the highest option on the screen.
2	"OK" button	Confirm the option marked with the cursor "↓" by pressing the "OK" button .
3	Burst trigger	When driving with your beams low or dipped, pressing this trigger will activate the high beam or main beam to give an indication of danger to whatever vehicle may be ahead of you or approaching in the opposite direction.
4	Main beam (high beam) / short beam (low beam) switch	Pressing this switch once switches the lighting from high beam (main beam) to low beam (low beam) or vice versa. If you choose high beam (main beam), the corresponding blue warning light will illuminate on the instrument panel display.
5	Indicator switch	Moving this switch to the left will cause the left-hand direction indicators and the left-hand warning light on the instrument panel to flash. Moving this switch to the right will cause the right-hand direction indicators and the right-hand warning light on the instrument panel to flash. Moving the indicator switch to the centre will deactivate the turn signals.
6	Horn button	Moving this control to the left will sound the horn.

Right-hand switch knob



REF.	BUTTON	FUNCTION
1	Hazard warning lights	Pressing this switch once will flash all four of the vehicle's direction indicators at the same time, as well as the two warning lights on the instrument panel, indicating a dangerous or emergency situation to other traffic. Pressing this switch again deactivates the hazard warning lights.
2	Button "P" (PARKING)	Pressing this switch at the top will deactivate the PARKING mode if the vehicle has just been activated or the side kickstand is retracted. Pressing this button again will re-engage the PARKING mode. PARKING mode is also activated by extending the side kickstand. The "P" warning light will illuminate on the display.
3	"M" (MODE) button for driving mode	Repeatedly pressing this button cyclically switches the driving mode: ECO → NORMAL → SPORT → ECO → ... For the driving mode selection to be operational, the vehicle must be activated in "D" mode ("PARKING" mode deactivated).
4	"R" (REVERSE) button	When PARKING mode is deactivated and the vehicle is stopped, you may reverse at low speed for as long as you hold down this button (the lower part of the switch). The "R" warning light will illuminate on the display. This button will switch the vehicle to the "reverse" driving mode. As long as the "R" warning light is illuminated on the display, you may change the reverse gear speed using the accelerator grip.

Passenger footrests

The NERVA Lift has folding footrests with anti-skid platform-type footrests for the passenger to rest their feet on. To use them, open each footboard by pulling out the upper end. Retract the footrests when not in use to avoid snagging them against objects, which will simultaneously reduce the width by a few centimetres.



Footboard retracted



Footboard extended

Lighting

All of the vehicle's lighting is based on LED technology. LED lighting offers high visibility, helps you to be seen and stand out from other traffic, causes minimal power consumption and has a long service life compared to traditional incandescent bulbs. In the unlikely event that a component stops working, it must be replaced with a new one.

Headlight

This is a double-optic assembly, each of which has two LED spotlights for the short and long beams. In the high beam position, the low beam is illuminated at the same time, providing a wider field of vision. The three vertical LED segments on each side act as position lights.



Indicators

The LED front indicators are positioned at both upper corners of the front wheel arch. The rear indicators are integrated with the rear lamp.



Rear light/Brake light

The rear light position light is formed by a row of LEDs which increases in brightness when any of the brakes (brake light) are applied. The indicators are also formed by a row of LEDs positioned vertically under the ends of the rear light.



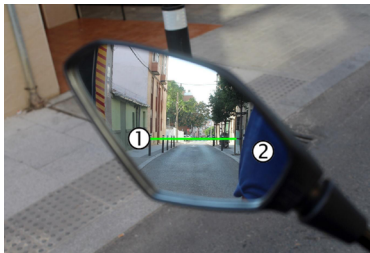
Operation

Adjustment of rear-view mirrors

For your safety, it is essential that both rear-view mirrors be correctly adjusted and that the reflective surface of the mirror be perfectly clean and unbroken. If the mirror is broken, replace it with a new one.



Release the locknut at the base of the rear-view mirror mast with a 14 mm open-end spanner, and orient the mast with the handlebars straight so that it is perpendicular to the longitudinal axis of the vehicle (not parallel to the handlebars) to achieve the furthest point away from the mirrors. Once the rear-view mirror mast is aligned, retighten the lock nut with the 14 mm open-end spanner to prevent it from moving. Make the same adjustment for the other rear-view mirror.



Orient the mirror so that the horizon line [1] is at the centre of the surface and part of the user's arm [2] appears in the inner corner of the mirror, serving as a reference for locating objects or vehicles behind the user's back. Do the same with the other rear-view mirror.

Cargo compartment

WARNING

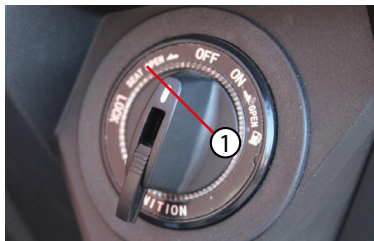
- Do not store valuables in the cargo compartment.
- Make sure that the seat is securely closed after pressing it down.
- The cargo compartment is not airtight. Water may leak from rain or washing. Avoid leaving objects that can be damaged.
- Never leave the keyless access fob in the cargo area. If the compartment is locked with the key inside, you will need the spare key to open it again.
- Maximum loading capacity: 10 kg.



A cargo compartment is provided under the seat for carrying small items and the charger.

Opening the cargo compartment under the seat

1. Activate the vehicle with the keyless access fob.
2. Turn the ignition knob to the "SEAT" position.
3. Open the seat by pulling the back of the seat upwards.



Closing the cargo compartment

1. Lower the seat and press down on the back of the seat until the latch locks.
2. Check that the seat is correctly locked.

Charging the battery

WARNING

- If the battery is not 100% charged after 24 hours of recharging, contact the NERVA Technical Assistance Service.
- Avoid extreme ambient temperatures for the battery: above 35°C or below -15°C.
- Avoid exposing the battery to corrosive liquids.



The vehicle's battery is charged via the Type 2 connection located on the underside of the countershield.

There are 2 ways to charge the vehicle: using the charger supplied with it, or a public charging point.

For charging, follow the steps below:

Apertura de la tapa de la toma de recarga

1. To access the Type 2 connection, activate the vehicle by pressing the ignition knob with the keyless access fob nearby, and turn the knob fully clockwise. The access cover will be opened, revealing the plug covering the Type 2 connector.
2. To open the plug, turn it a quarter in an anti-clockwise direction and remove it, exposing the Type 2 connector.
3. To close the plug over the Type 2 connection, place the plug over the connection, rotate it to find the snap-in point and rotate it clockwise.



You can also use a public charging point to charge your vehicle by plugging the Type 2 connection directly into the vehicle's charging socket.

Charger connection

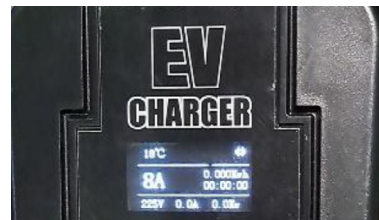
1. Connect the power input of the charger supplied with the vehicle to a grounded household mains socket.



2. Before connecting the charger to the Type 2 connector, you must select the charging current. By default, the charger operates in ultra-fast charging mode and will deliver a charging current of 16A equivalent to a power consumption of 3.6 kW. Check if the automatic system accepts that current or power, or if the maximum contracted power is higher than 3.6 kW.



3. If this is not the case, you must select another maximum current value by pressing the button shown in the picture. The display of the charger will cycle through the following power values:



Slow charge: corresponds to a maximum current of 8 amps and a power consumption of 1.8 kW.

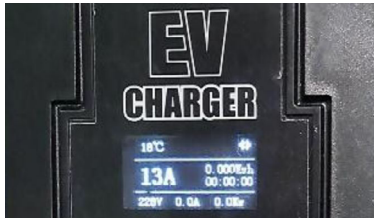
OPERATION



Medium charge: corresponds to a maximum current of 10 amps and a consumption of 2.25 kW.



Ultra-fast charge: corresponds to a maximum current of 16 amperes and a consumption of 3.6 kW



Fast charge: corresponds to a maximum current of 13 amps and a power consumption of 2.925 kW

4. Once the maximum charging current has been selected, connect the charger's Type 2 connector to the vehicle's Type 2 connection.



5. With the ignition knob OFF, the TFT display on the instrument panel will illuminate showing the battery charge percentage and the recharge warning light “” in red at the top left of the TFT display.

You can also use a public charging point with a Type 2 connection to charge the vehicle battery.



Recharge completed

1. When charging is complete, disconnect the mains power cord and then the Type 2 connection.
2. Cover the end of the charging cable to the charging socket with the rubber plug.
3. Close the plug of the recharging socket by fitting it with the Type 2 recharging socket and turning it clockwise.
4. Close the lid by pressing it gently.
5. The vehicle is now ready for use.

OPERATION

Charger states

STATUS	MESSAGE VIA LED			
	POWER ●	CHARGE ●	FAULT 1 ●	FAULT 2 ●
Initial mode	Blink 1s	Blink 1s	Blink 1s	Blink 1s
When connecting	Fixed activation	Switched off	Switched off	Switched off
Charging mode	Fixed activation	Blinking	Switched off	Switched off
Full load	Fixed activation	Fixed activation	Switched off	Switched off
Power failure in self-diagnosis	Fixed activation	Switched off	Fixed activation	Fixed activation
Communication exception	Fixed activation	Switched off	Switched off	Fixed activation
Overvoltage or undervoltage	Fixed activation	Switched off	Fixed activation	Switched off
Ungrounded	Fixed activation	Switched off	Switched off	Flashing (1s ON and 1s OFF)
Over current	Fixed activation	Switched off	Flashing (1s ON and 1s OFF)	Switched off
Current leakage	Fixed activation	Switched off	Flashing (1s ON and 1s OFF)	Flashing (1s ON and 1s OFF)
Overheating protection	Fixed activation	Fixed activation	Switched off	Switched off

Side kickstand

WARNING

- Ensure that the scooter is always on firm, level ground. The side kickstand must not be used on sloping terrain, as it could collapse and cause the scooter to fall to the ground.
- For the scooter to exit PARKING mode, the side kickstand must be folded down, as it contains a safety system that prevents the scooter from being driven with the side kickstand folded out.

The scooter has a side kickstand accessible from the left side of the vehicle. The side kickstand is equipped with a safety switch which switches off the power supply to the electric motor when the side kickstand is extended.

If the stand is extended, the scooter goes into PARKING mode (the motor does not run in this mode).

1. Ensure that the scooter is securely fastened before folding the side kickstand.
2. Once the side kickstand has been folded out, slowly tilt the scooter to the left until it is fully resting on the side kickstand.

If the support surface is sloping, soft or uneven, if it is windy, or if parking for a long period of time, only the central kickstand should be used.



Central kickstand

The scooter is equipped with a central kickstand. When resting on it, the scooter lifts up at the rear until the rear wheel is in the air: To stand the scooter on the central kickstand, follow the steps below:

1. Turn the scooter off by turning the ignition knob to the OFF position.
2. Step off the scooter from the left side, holding the handlebars firmly.
3. Hold the left handlebar grip with your left hand and the left side handle with your right hand and push down on the central kickstand lever with your right foot until both support points of the stand touch the ground.
4. Put your body weight on the central kickstand lever and pull up and back on the left handgrip.
5. Check that the scooter is firmly supported.



Driving instructions

Start-up

CAUTION

- Do not switch off the scooter during activation. This could damage the vehicle's electrical circuits.
- Do not start the scooter immediately after it has been switched off. This could damage its electronic circuits. Allow at least 2 to 5 seconds to elapse before re-activating it.

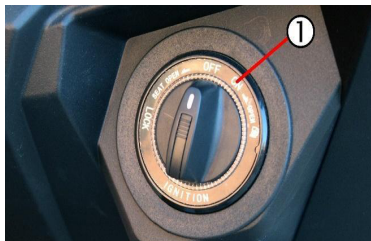
WARNING

- Hold down the rear brake lever to prevent the vehicle from moving. Avoid accelerating when the scooter is stationary if you do not intend to drive. You could lose control and cause an accident.

NOTE

- The scooter has a safety switch on the side kickstand. If the stand is folded out, the scooter will not exit PARKING mode. Once the side kickstand is retracted, press the PARKING button [2] on the right-hand control knob to start off.

1. Lower the vehicle from its central kickstand or retract the side kickstand.
2. Activate the scooter and turn the ignition knob [1] to the ON position.



5. Choose the driving mode you want to use.
6. Twist the accelerator gently to get the vehicle moving.

3. Wait until the display turns on completely.
4. Press the PARKING "P" button [2] on the right-hand switchgear on the right-hand switch gear.



Driving modes

WARNING

- If the scooter is driven at high speed and is switched to a lower mode, the scooter progressively slows down to the maximum speed of the new driving mode and the accelerator no longer responds to increases in speed
- Do not drive in the ECO driving mode on motorways or dual carriageways. Not only is the maximum speed in this mode lower than the mandatory minimum speed on these roads, but it can also lead to and/or cause a serious accident.
- Use of the SPORT driving mode is disabled if the battery is at 25% charge or lower. If you are riding in SPORT mode when this charge state is reached, the vehicle will automatically switch from SPORT mode to NORMAL mode

NOTE

- Please note that frequent use of the SPORT mode decreases the range of the vehicle, due to increased power consumption. Prolonged use of the SPORT mode may increase the temperature of the vehicle's electrical components, resulting in reduced motor performance.

The vehicle has three driving modes, which are selectable from the “M” button on the right-hand switch, to provide the user with different driving experiences. To select the Driving Mode, the side kickstand must be retracted and the “PARKING” mode deactivated. Mode selection may be done by brief presses of the “M” button, with the selected mode appearing on the display. The three modes are presented cyclically.

- › **ECO:** This allows for more relaxed driving, ideal for inner-city driving. Speed and acceleration are limited, allowing for greater vehicle range.
- › **NORMAL:** This driving mode resembles the behaviour of a 125 cc scooter. It allows a smooth ride without abrupt power delivery. At the same time, it is possible to drive at higher speeds than in ECO mode.
- › **SPORT:** This allows you additional power and speed, accessing the full power the scooter has to offer.

The maximum speeds and approximate ranges for each driving mode are detailed below:

MODE	MAXIMUM SPEED KM/H	APPROXIMATE RANGE OF AUTO- NOMY
ECO	50km/h	130km
NORMAL	85km/h	90km
SPORT	100km/h	70km

Economic driving



It is recommended to accelerate gently so that the power consumption is not excessive and you do not lose control of the scooter.

The following cases are unfavourable for battery consumption:

- › City traffic with many stops and traffic lights.
- › Journeys with constant starts and stops.
- › Driving in slow-moving, heavy traffic.

Battery consumption is also affected by poor road conditions or steep slopes.

The weight carried is also a major factor in electricity consumption. The maximum load, taking into account the weight of the driver and possible passengers and luggage, is 190 kg. Driving while overloaded is not permitted under any circumstances.

If pushing or manoeuvring the vehicle is required, first press the PARKING button to disable the accelerator. This prevents accidental operation and an accident.

ABS braking

CAUTION

- When one or both channels of the ABS are activated, the rider can feel pulses or pulsations at the levers. This is normal and you should continue to apply the brakes.

WARNING

ABS reduces the braking distance compared to a conventional braking system, especially on low-grip road surfaces (e.g. in the rain). However, it has some limitations that you should be aware of.

- When driving on loose soil, gravel or uneven surfaces, the braking distance is extended.
- Braking on a curve may cause the vehicle to swing outwards or skid. It is always recommended that you brake before entering a curve.
- At speeds below 10 km/h, ABS is not operational and operates in a conventional manner.
- Under no circumstances use tyre sizes other than those approved by NERVA. The NERVA Lift's phonic wheel sensors measure the rotational speed of the wheels. If the tyre size changes, the speed sensors become out of calibration, affecting the operation of the ABS.

The scooter is equipped with dual-channel ABS anti-lock braking system on both brakes. This safety system controls the front and rear brakes independently, preventing them from locking and thus preventing accidents.

When the scooter is activated, the ABS warning light will remain illuminated and will only go out when the scooter is started. If the ABS warning light remains illuminated or illuminates while driving, this indicates that an abnormality has been detected in the ABS system. However, if this anomaly occurs, the braking system shall continue to operate in the conventional non-combined non-CBS and non-anti-lock manner. Please contact a NERVA Technical Assistance Service to solve the problem.

Right-hand lever - Front brake



Left-hand lever - Rear brake

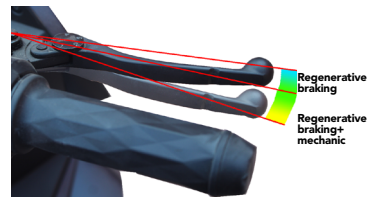


Regenerative braking

In addition to mechanical disc brakes, the vehicle has a regenerative brake. When the traction provided by the motor is no longer used, its use as an motor brake can be reversed, producing electricity in its retention which is used to partially recharge the batteries. This regenerative braking is activated electronically when the accelerator is released and, to a greater extent, when one of the brake levers is actuated and depending on the travel of the brake lever.

The regenerative brake has its own range of travel on the brake lever. Only motor brake regeneration is active during this range of travel. If the lever continues to be actuated, the mechanical brake comes into action. At that moment, both types of brakes act simultaneously.

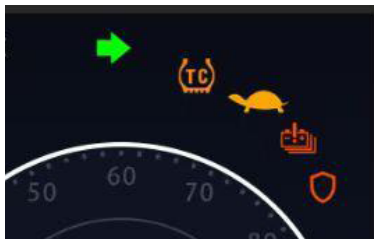
The use of regenerative braking assists the braking process by using fewer brake pads than mechanical brakes, and also helps to maintain battery charge.



Traction Control TCS

This scooter is equipped with a safety system that prevents the rear wheel from slipping on slippery surfaces (e.g. rain, snow or ice): the TC (Traction Control) system. If the TC system detects that the rear wheel is spinning faster than the front wheel, this is a sign that the rear wheel is skidding on the road, and so it automatically switches off the motor power and switches to regenerative braking so that the motor hold prevents further wheel spin.

The **[TC]** warning light illuminates briefly during the ignition period of the motorbike. During use, the warning light will flash if the system is activated. If it stays on, an anomaly has occurred in the system. In this case, please contact the NERVA Technical Assistance Service to solve the problem.



Stopping the motor

To turn the motor off, turn the ignition knob to the OFF position.

It is recommended to lock the steering when the vehicle is parked by turning the handlebars fully to the left, pressing the ignition knob and, at the same time, turning it to the LOCK position. If you allow time for this second operation and it does not allow you to move the knob to LOCK, you will need to reactivate the scooter with the keyless access fob.



Maintenance instructions

Brake fluid level



With the scooter on its central kickstand on a level surface, turn the handlebars until the brake pump of which you wish to check the level is horizontal. Through the sight glass on the pump reservoir, check that the brake fluid level is above the "LOWER" mark. If the brake fluid level is below the "LOWER" mark, check the brake pads for wear. If the brake pads are not worn, check for brake fluid leaks at the pump cover, brake lines, and brake linkages or banjo fittings.

Brake fluid needs to be changed every 15,000 km or every 2 years (whichever comes first). The change requires bleeding air from the hydraulic system. For your safety, entrust this operation and

the repair of brake fluid leaks to a NERVA Technical Assistance Service.

Recommended brake fluid: DOT-4

Brake pads



Check the brake pad wear by observing the thickness of the brake pad lining at the caliper end in contact with the disc. Verify that the thickness of the friction material of each pad is more than 2 mm. If wear is noticeable, do not press down on the thickness as this may damage the disc surface and replace both pads at the same time. For your safety, entrust this operation to a NERVA Technical Assistance Service.

Cleaning the scooter

CAUTION

- Do not use steam or high-pressure jets to wash the scooter. Such systems can damage or fog the headlamps, instrument panel, braking system and electrical system. The use of pressure washers, regardless of the intensity of the pressure, immediately voids the vehicle warranty.
- Never use paint polish on plastic parts.
- After a relatively long journey, thoroughly clean the bodywork and apply a corrosion protection agent.
- Use mild and environmentally friendly cleaning products. Never use aggressive detergents.
- Use a soft, clean cloth to dry the scooter.

WARNING

- Plastics and upholstery can be damaged if corrosive and penetrating cleaning agents are used.

To clean the scooter, use a soft sponge and clean water. Afterwards, wipe dry with a cloth.

After cleaning, always carry out a brake test before driving again.

To avoid bodywork damage or scratches, do not use dry cloths to remove dust or dirt.

As a precaution, we would recommend protec-

ting the parts most exposed to corrosion using a commercial product dedicated to this purpose, especially in winter (on account of the salt that is added to asphalt to prevent it from freezing.)

Long-term storage of the scooter

The following steps are recommended for proper long-term storage of the scooter:

1. Clean the scooter before storing it.
2. Store the scooter in a dry room.
3. Raise the scooter on its central kickstand, chocking the fork with timbers so as to ensure that neither tyre rests on the ground, which can cause permanently deformation.
4. Cover the vehicle with a protective cover.
5. To protect the batteries, maintain an environment with a temperature below 35°C and humidity below 75%.
6. If the vehicle is to be stored for a long period of time, the battery should be kept at a charge between 30 % and 60 % SOC. 30 % to 60 % SOC.
7. It is not recommended to exceed half a year of storage. After a period of storage with no use of the battery, an inspection should be carried out to check the condition of the battery.
8. In the event that the storage period exceeds half a year, charge the battery to 50 % every 6 months.

Commissioning

To restore the vehicle after a long period of storage, follow the steps below:

1. Clean the vehicle.
2. Check tyre pressure.
3. Check the condition of the brakes.
4. Carry out the activities as indicated in the maintenance plan.

Tyre and wheel maintenance

If the scooter is not to be used for an extended period of time, it is recommended that the scooter be placed on the central kickstand. Thus, the weight of the vehicle does not rest on the wheels.

It is advisable to spray tyres with a silicone rubber treatment to prevent tyres from hardening. To do this, the tyres must first be thoroughly cleaned.

Do not store the vehicle or tyres in hot spaces for prolonged periods of time.

Technical changes, accessories and spare parts

CAUTION

- We recommend the use of original accessories and spare parts only.
- The safety, suitability and reliability of the original accessories and spare parts have been tested specifically for this vehicle.
- For certified accessories and original spare parts, please contact an authorised service centre. A list of NERVA sales outlets and Technical Support Services can be found at www.NERVA.eco.

Unauthorised technical modifications may lead to cancellation of EC type-approval.

NERVA ECO S.L. is not responsible for any modifications made to the vehicle, nor for any accessories that have not been tested and distributed by the company's authorised service network.

Modifications and/or installation of accessories not approved by NERVA ECO S.L. may lead to the loss of the vehicle warranty.

Condition of tyres

WARNING

- All tyres are tubeless (TUBELESS).
- The scooter is equipped as standard with the following tyres:
 - Front: 110/70-14 MC 50 P
 - Rear: 140/70-14 MC 62 P o 68 S
- Use only tyres with the approved or equivalent dimensions and bearing the European type-approval mark. The use of non-approved tyres or rims increases the risk of an accident. NERVA ECO S.L. is not responsible for any damage to tyres and rims that may occur as a result of poor maintenance or after manipulation of these by any technical service **servicio técnico**.

The condition of tyres should be checked regularly. A worn tyre has inferior grip and can lead to accidents.

Do not drive without valve caps. These must be firmly tightened to prevent the wheel from losing pressure.

To check the condition of the tyres:

- › Measure the depth of the drawing (Minimum depth: 2 mm, equivalent to the outer ring of a 1-euro coin)
- › Check the wear mark



Tyre pressure

Adjust the tyre pressure according to the weight of the load.

Never exceed the maximum permissible weight for each tyre.

Incorrect pressure has a direct effect on vehicle safety and performance. This also affects the service life of the wheels.



Always measure tyre pressure when the tyre is cold (without having travelled too many kilometres to the measuring point).

TYRE	DRIVER ONLY	WITH PASSENGER
Front tyre	250 kPa 2,50 bar (atm.) 36 PSI	250 kPa 2,50 bar (atm.) 36 PSI
Rear tyre	250 kPa 2,50 bar (atm.) 36 PSI	250 kPa 2,50 bar (atm.) 36 PSI

Batteries

CAUTION

- **Due to the high voltage between the terminals, do not touch the electrical terminals under any circumstances.**

Do not access the batteries under any circumstances. Tampering with the batteries by personnel not authorised by NERVA ECO S.L. will lead to the suspension of the warranty. For proper operation and maintenance of the batteries, we recommend as follows:

1. Charge the batteries with a suitable charger approved by NERVA ECO S.L.
2. Do not expose the battery to fire or heat. Keep away from hot spots such as heat or fire. Do not store the vehicle in a place with high temperature.
3. Pay attention to the polarity of the terminals. Do not connect the battery in reverse polarity to a charger or device.
4. Do not strike the batteries with a hammer, nail or similar tool that may damage the mechanical integrity of the battery.
5. Do not immerse the battery in water. Do not store in a damp environment.
6. Avoid direct sunlight, high temperatures and high humidity. Store the batteries in an environment with a temperature below 35°C and above -15°C, and a humidity below 75%.
7. If the vehicle is to be stored for a long period of time, the battery should be stored with a char-

- ge of between 30 % and 60 % SOC. It is not recommended to exceed half a year of storage.
8. In the event of storage beyond half a year, charge the battery to 50% every 6 months.

After a period of storage with no use of the battery, an inspection should be carried out to check the condition of the battery. If the battery is leaking, smoking or damaged, stop using the unit immediately. The batteries may only be handled by authorised NERVA ECO S.L. technicians. Tampering by unauthorised persons will lead to the suspension of the warranty.

Maintenance plan

The first inspection of the vehicle after delivery is of utmost importance to ensure proper functioning over a long period of time

WHICHEVER COMES FIRST DISTANCE/ DISTANCE TRAVELLED	2.000 KM/ 6 MONTHS	5.000 KM/ 12MONTHS	10.000 KM/ 24MONTHS	15.000 KM/ 36 MONTHS	20.000 KM/ 48 MONTHS	FOLLOWING
Gearbox oil (80W90, 120 cc)	C		R		C	Every 15,000 (or every 2 years)
Belt tension		R	R	R	R	Every 15,000 (or every 2 years)
Nuts and bolts	R	R	R	R	R	Every 5,000 (or every 1 year)
Steering and bearings	R	R	R	R	R	Every 15,000 (or every 2 years)
Front and rear suspension	R	R	R	R	R	Every 15,000 (or every 2 years)
Brake system: brake pads and brake discs	R	R	R	R	R	Every 5,000 (or every 1 year)
Brake fluid	R	R	R	R	R	Service every 5,000 km and change every 15,000 km (or every 2 years) since the last change.

C: Change.

R: Review. Replace, clean and/or adjust if necessary.

Technical characteristics

Motor	Maximum net power	9.1 kW
	Maximum continuous net power	6 kW
	Type	AC alternating current
	Operating voltage	54V AC
	Maximum torque value	10.9 Nm
Transmission	Type	Belt/gear drive
	Final ratio	6.409
	Transmission case oil	80W90, 120 cc
Chasis	Front suspension	Telescopic fork
	Rear suspension	Double shock absorber. Hydraulic shock absorption, preload adjustable
	Front tyres	110/70-14M/C 50 P
	Rear tyres	140/70-14M/C 68 S
	Front rim dimension	3,0 x 14
	Rear rim dimension	4,0 x 14
	Front tyre pressure	2,5 atm
	Rear tyre pressure	2,5 atm
	Front brakes	ABS modulator - Disc: 240 mm diameter - Clamp: 2 parallel pistons of 27 mm diameter - Brake pump: on the right of the handlebars, with a 12.7 mm piston diameter

TECHNICAL CHARACTERISTICS

Chasis	Rear brake	ABS modulator - Disc: 230 mm diameter - Clamp: 2 opposed pistons, 32 mm in diameter. - Brake pump: to the right of the handlebars, with a 12.7 mm piston diameter
Electric equipment	Battery	Main: LiFePo4 76,8V (38,4V x2) 4,2 kWh Secondary: 12V 6Ah
	ABS valve supply fuse	10A
	Fuse output DC DC 12V	20A
	ABS motor power supply fuse	15A
	USB fuse	5A
	Headlight	Low beam or dipped beam: 12V 12W High beam or full beam: 12V 19 W
	Position light	LED 12V 1 W
	Instrument panel	7W
	Rear brake light/position	LED 12V 3 W / 0.4W
	LED front/rear indicators	LED 2 x 12V 2 W / LED 2 x 12V 3 W
Dimensions and weights	Net weight	170 kg
	Length	1990 mm
	Width	810 mm
	Height	1165 mm
	Distance between axles	1415 mm
	Maximum permissible weight	190 kg

Vehicle warranty

The warranty terms are as follows:

En caso de que ocurra una avería, NERVA ECO SL proporcionará, mediante el servicio técnico autorizado, un servicio de garantía dentro de las obligaciones legales:

1. For the first 36 months after the registration date of the vehicle, NERVA ECO S.L. will undertake to remedy any deficiencies caused by component failures and/or manufacturing defects by repairing or replacing the affected part through an authorised dealer, in accordance with the statutory warranty regulations. NERVA ECO S.L. may refuse the requested repair or replacement if the failure has been caused by negligent or improper use of the unit. Repairs or replacements may also be refused if the maintenance schedule has not been respected.
2. The installation of replacement components within the warranty period does not extend the warranty period which began with the delivery of the vehicle.
3. The warranty does not cover wear and tear caused by normal use. Wear and tear due to improper use is also not covered by the warranty.
4. Applications from users will be rejected if any of the following circumstances should apply:
 - Tampering of any kind with the scooter.
 - Transmission modifications
 - Installation of accessories or spare parts

that have not been approved by NERVA ECO S.L.

Repairs carried out in workshops not authorised by NERVA ECO S.L. and failure to comply with the maintenance intervals will also void the warranty.

5. When submitting a warranty claim, the customer must present the correctly completed Maintenance Booklet.

Warranty exclusions

The following circumstances are outside the official guarantee offered by NERVA ECO S.L.:

1. After the guarantee period has expired.
2. Defects due to repair, adjustment, maintenance or any other operation outside the specifications of NERVA ECO S.L. and/or outside the authorised service network.
3. Failure to pass the inspections scheduled by NERVA ECO S.L. as per the Maintenance Booklet.
4. Defects arising from improper use of the vehicle, such as participation in any kind of competition, use outside traffic lanes, on roads in poor condition or in hostile areas.
5. Use outside the parameters set out in the User Manual.
6. Damage caused by use as a rental vehicle.
7. Damage due to the use of non-original spare parts or accessories not approved by NERVA ECO S.L.
8. Damage caused by the transformation or modification of the vehicle and/or its components.
9. Damage caused by ageing or prolonged storage.
10. Perceptual sensations not affected by vehicle performance and operation such as noise, vibrations, looseness, etc.
11. Consumable parts: Brake pads
 - Brake discs
 - LED lighting elements

- Fuses 5 A, 10 A, 15 A and 20 A
- Gaskets
- Rubber parts
- Transmission belt
- Rear cogs
- Crown gears, Transmission gears
- Tyres
- Oil
- Greases
- Pipes
- Electrical and control cables
- Cable sleeves
- Grips
- Adhesives

12. Natural wear and tear from normal use. For example: wear to the transmission kit, seat and stands.
13. Damage resulting from the use of pressurised water such as: condensation, water seepage, rust, paint damage, upholstery damage, adhesive products, logos or any type of malfunction.
14. Damage due to incorrect transport or storage.
15. Any intervention carried out by persons outside the services authorised by NERVA ECO S.L.
16. Damage caused by weather accidents, catastrophes, fire, collision, traffic accidents or theft.
17. Damage caused by smoke, chemicals, oil, animal droppings, saline water, salt or other similar materials.
18. Warranty claims that do not match the MO-

DEL, VIN / CHASSIS NUMBER, TRUCK NUMBER or MOTOR NUMBER OF THE PRODUCTS SUPPLIED

19. Parts such as controllers, batteries, chargers, etc., which have their seals or labels removed, shall be exempted from warranty.
20. Vehicles that have not been maintained and/or repaired at a NERVA Authorised Dealer.

The official NERVA ECO S.L. guarantee does not assume or cover the following points:

1. Costs resulting from periodic maintenance.
2. Costs of cleaning, inspection and/or assembly prior to delivery.
3. Expenses of carrying out estimates for repairs outside the coverage of the guarantee offered by NERVA ECO S.L.
4. Additional indirect expenses caused by a vehicle breakdown, such as: towing, transport, communications, lodging, per diems, etc.
5. Financial compensation for the maintenance and repair period. Whether or not they are covered by the guarantee, the guarantee does not cover the costs of loss of time, loss of business, loss of working hours, costs for rental vehicles, etc.

Parts that are replaced within the warranty period will be warranted for the remaining warranty period.

All replaced parts become the property of NERVA

ECO S.L. NERVA ECO S.L. reserves the right to introduce modifications or improvements to its vehicles with the aim of improving performance and/or durability.

Battery warranty

In the event of a breakdown or failure of the battery, NERVA ECO S.L. will provide a warranty service through the authorised service centre.

Such warranty shall have an extension of 5 years or 80,000 kilometres, whichever occurs first, from the date of delivery of the vehicle.

The following causes will void the warranty:

1. The cause of the damage is due to improper use of the battery or force majeure.
2. Battery voltage exceeds 91.2 V (cell > 3.8 V) at the time of charging.
3. Battery voltage is below 48 V (cell < 2.0 V). 48 V (cell < 2.0 V).
4. An attempt has been made to charge the battery by reversing its polarity.
5. There is mechanical damage to the battery, such as puncture or crushing. The warranty is immediately void if any attempt is made to open or modify the external structure of the battery.
6. An attempt has been made to charge the battery under high-temperature conditions that may bring it close to near-fire temperatures.
7. Short-circuit caused by human manipulation or other means.
8. Wetting or immersing the battery in water by human or other means.
9. Improper charging/discharging of the battery, prolonged storage of the battery or any other form of use that does not comply with the User Manual or other NERVA instructions leading to

rapid battery discharge or other failures.

The battery will remain under warranty as long as it is charged with a suitable charger approved by NERVA ECO S.L., following the operating instructions.

Summary of warranty periods

COMPONENT	WARRANTY PERIOD
Battery	5 years or 80000 km, whichever comes first
Controller	3 years
Charger	3 years
DC DC	3 years
Motor	3 years

