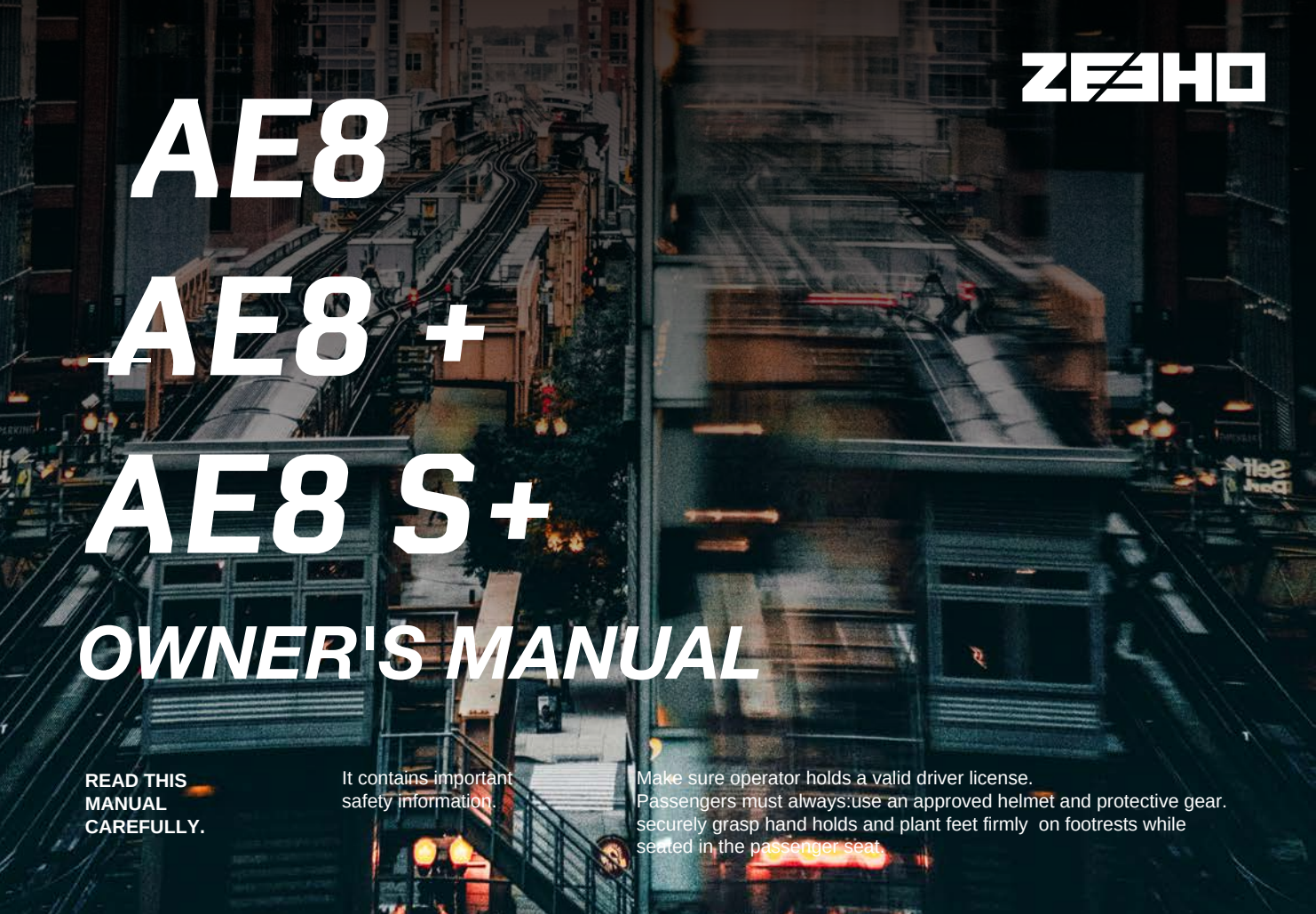


AE8
AE8 +
AE8 S+

OWNER'S MANUAL

READ THIS MANUAL CAREFULLY.

It contains important safety information.

Make sure operator holds a valid driver license.
Passengers must always:use an approved helmet and protective gear. securely grasp hand holds and plant feet firmly on footrests while seated in the passenger seat.

Foreword

Start with travel, not just travel

ZEEHO promises every user: Life Amplified !

As a young, fashionable and fashionable high-end technology brand, ZEEHO adheres to the brand core values of "daring", "interactive" and "impactful", we drive scientific and technological innovation with new energy, continue to lead the global trend and travel fashion, and bring high-performance, intelligent, high-quality products and brand-new urban travel experience to a new generation of users around the world.

ZEEHO hopes that the new generation of people around the world can get a new life experience through travel, enjoy the trend of travel and life, encourage them to explore new possibilities, embrace positive change and boldly imagine a better future. It is precisely because of this attitude that ZEEHO encourages the new generation of the world to boldly show their unique self to the world, open their horizons, accept challenges, connect with the world, realize their self-worth and become the leader of global fashion trends.

In order to operate your car safely and with joy, please make sure to operate according to the instructions and suggestions in this manual. This manual contains instructions for light maintenance. The instructions for major maintenance are described in detail in the ZEEHO service manual. Your dealer is most familiar with the vehicle you purchase and pays most attention to your overall satisfaction. Please make sure to return to your dealer for repair service during and after the warranty period.

As the design and quality of product parts are constantly improved, the printed instructions may be slightly different from the latest vehicles. The descriptions and procedures in the printed instructions are for reference only.

Before driving each time, make some checks first and do regular maintenance at the same time, which are some of the most basic driving common sense. This manual should be regarded as a permanent part of the vehicle. Even when the vehicle is transferred to others, it should also be handed over to the new owner along with the vehicle.

Signal Words

A signal word calls attention to a safety message or messages, a property damage message or messages, and designates a degree or level of hazard seriousness. The standard signal words in this manual are **DANGER**, **WARNING**, **CAUTION** and **NOTE**.

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual:

⚠**DANGER**
This safety alert and icon indicates a potential hazard that may result in serious injury or death.

⚠**WARNING**
This safety alert and icon indicates a potential hazard that may result in minor or moderate personal injury and/or damage to the vehicle.

⚠**CAUTION**
This safety alert and icon indicates a potential hazard that may result in damage to the vehicle.

NOTE

A note or notice will alert you to important information or instructions.

APP

Search "ZEEHO" in app store to download ZEEHO app.

ZEEHO cycling life opens a better cycling experience for you! It is an on-line tool matching with the brand's high-end electric motorcycle. Through it, you can obtain vehicle information in real time, realize the all-weather interconnection of people and vehicles, and get to know motorcycle friends in the same region and share wonderful life through the community. The exquisite life starts with ZEEHO.

TABLE OF CONTENTS

Power Battery and Charging

Medical Barriers

The electromagnetic radiation generated during the charging process of the power battery will affect the work of nearby electronic medical equipment, which may cause death or serious injury. Before charging the power battery, Personnel using electronic medical devices (such as implanted pacemakers or implanted cardioverter defibrillators, etc.) should ask their doctor or the manufacturer of electronic medical devices for any impact.

Endurance

The range of the vehicle is different at different speeds. Refer to the table below to confirm the range under general driving conditions. Due to the characteristics of the battery, the lower the speed, the higher the range.

Speed	Endurance
Normal operating range of China's new standard	120km
Maximum constant-speed range	190km
NOTE: The maximum constant-speed range is the experimental data obtained from a test that a 75kg driver rides the vehicle on a flat road without wind and the temperature is 25°C. The specific range depends on the actual conditions.	

Different driving habits and different use environments will affect the actual range of the vehicle. Continuous high-speed driving, frequent braking and starting, heavy load riding, climbing steep slopes, installing power consuming equipment on the vehicle and driving against the wind will all lead to the reduction of the range. Pay close attention to the mileage of the vehicle, plan the journey reasonably, and replenish the power battery in time.

Mileage is closely related to battery capacity. With the increase of battery service time and vehicle mileage, the battery capacity will gradually decline, and the total mileage of the vehicle will also gradually decline. The range is also closely related to the ambient temperature. It is normal that the range will be significantly reduced in low temperature environment.

If the battery is not used and maintained properly, the battery capacity will decay rapidly, and the range of the vehicle will be reduced rapidly.

If the mileage decreases rapidly, please contact the service center authorized by ZEEHO in time.

Charging must be carried out in strict accordance with the relevant requirements of this manual to prevent accidents.

Vehicle Voltage System Damage

The special voltage for electric vehicles is high voltage, which exceeds 36V safety voltage. Therefore, careful operation and backup support are required during rescue work.

⚠DANGER
If the vehicle specific voltage cables are damaged and the wiring and terminals are exposed, do not touch the exposed components under any circumstances. In addition, if you are not sure whether the damaged voltage components are special for electric motorcycle, do not touch the leaked wiring or terminals. Contact with wiring or terminals without proper safety protection may cause serious burns or electric shock, causing serious injury or death. If it is necessary to contact the exposed parts, or there is a risk of contact, insulating protective equipment (insulating gloves, protective glasses, insulating shoes) that can withstand the special voltage of the electric motorcycle must be used When relevant personnel are separated from the vehicle, such as storing it after the accident, please affix "⚠working. Do not touch" on the body, to prevent other personnel from inadvertently touching the vehicle, resulting in serious safety accidents.

Preparation in advance

When servicing or maintaining the special voltage system of the vehicle, please prepare at least the following safety protection measures:

- Insulating protective equipment, including insulating gloves, protective glasses, insulating shoes, etc.
- ABC dry powder fire extinguisher.
- Solvent resistant protective equipment, including gas masks for organic gases, chemical resistant rubber gloves, etc.
- Rags, towels.

The following actions may cause the battery to heat, smoke, catch fire or burst

Do not add water to the battery or immerse the battery in water.

Do not put the battery near the fire source or heater.

Do not put the battery in high-temperature places such as direct sunlight (≥ 60°C).

Do not hit or throw the battery.

Do not apply external force to cause cracking or deformation of the battery.

Do not use original chargers.

Smoke or Heat from Battery

If the power battery is found to be abnormally hot, keep the vehicle away from the fire source and completely cut off the battery power supply.

If the power battery is found to smoke, stay away from the vehicle immediately, contact the fire department and prepare for fire.

Keep the vehicle still and observe for 1 hour. Remove the battery after the battery temperature drops, and contact the service center authorized by ZEEHO to recycle and dispose of the waste battery. The waste battery is "hazardous waste" and should not be disposed of by yourself.

If the power battery keeps high temperature, but there is no fire or smoke, running water can be used to cool it.

The water immersed in the battery is polluted by metal ions and so on. Treat it as waste liquid for proper treatment.

Vehicle / Battery Fire

ABC dry powder fire extinguisher or electric fire extinguisher can quickly eliminate the fire caused by electricity. If the fire cannot be controlled, please evacuate in time, contact the fire department and remove all inflammables nearby.

If the whole vehicle is on fire, avoid extinguishing with water. If only the battery is on fire, water can be used to extinguish it, and the battery can be cooled at the same time. After extinguishing the fire, contact the service center authorized by ZEEHO to recycle and dispose of the waste battery. The waste battery belongs to "hazardous waste" and should not be disposed of by yourself.

When the insulating coating of cables and wires is short circuited due to combustion or a large amount of water is used to extinguish the fire, the special voltage of the vehicle will be cut off.

Depending on the location of the fire, the special voltage of the vehicle may not be cut off, so be sure to cut off the power supply of the vehicle after the fire.

There are no substances that may cause explosion hazard in the special voltage system of the motor of this vehicle.

Vehicle Flooding

If the vehicle is immersed in water, the penetration of water may short circuit the vehicle, resulting in the disconnection of the vehicle specific voltage system. If the water is shallow or water seeps into the parts that will not cause short circuit, the special voltage system of the vehicle may not be cut off. Please completely disconnect the vehicle power supply and contact the service center authorized by ZEEHO.

Battery Damage

If the battery is damaged due to collision or other conditions, please follow the following treatment scheme.

If it is suspected that the battery has leakage, refer to the content of "Smoke or Heat from Battery".

If the battery shell is cracked or damaged, please contact the service center authorized by ZEEHO for recycling or repair;

How to Cut off the Power Completely

Wear insulating protective gears, turn off the main switch, disconnect the battery and remove the power battery.

If the main switch is operated when the dashboard is off, the vehicle may be started.

Even after the main switch is turned off, the charge stored in the capacitor will take about ten minutes to be fully released. Wait for a period of time before working to avoid accidents such as short circuit.

After disconnecting the battery, wait for a few seconds and let the battery discharge before starting to work.

If the vehicle specific voltage cable is not damaged, but the wiring or terminal is exposed. Do not touch exposed parts under any circumstances. In addition, do not touch exposed wiring or terminals if it is uncertain whether the damaged voltage components are special to the vehicle. Careless contact with wiring or terminals may cause serious burns or electric shock, causing serious injury or death.

Battery

The vehicle uses Lithium-ion battery pack. The battery has the characteristics of large capacity, small self-discharge, high energy, long service life, safety and reliability. It is an ideal power battery. The capacity of the battery decreases gradually with the increase of service time and driving mileage. Correct use and maintenance can effectively prolong the service life of the battery.

Battery Storage / Use Environment

It shall not be kept/used in an environment prone to water immersion.

Do not store/use in high temperature environment (≥ 45°C).

Do not store/use in the environment with high humidity or large humidity change.

Do not store/use in dusty or gravel environment.

Do not store/use near the fire source.

Do not store/use near inflammables and explosives.

It shall not be stored in sealed containers.

Do not store/use in an environment accessible to children or pets.

Charging Environment Temperature	Discharging Environment Temperature
-5°C~50°C	-10°C~50°C

The battery shall be stored in a dry, cool and dark environment.

If the battery shell is found broken, smoking or heating during storage or use, refer to the content of "Smoke or Heat from Battery", and timely contact the service center authorized by ZEEHO for recycling or maintenance.

ZEEHO original power battery must be used for battery replacement. If non original power battery is used, it may lead to failure of startup, circuit failure, damage of electrical parts, etc. the user shall bear the fault caused by non original power battery.

Battery Maintenance

Before the first use, the power battery shall be charged to at least 80% before use.

When the meter indicates the remaining 20% of the power, please charge it as soon as possible. Try not to consume the battery power to the minimum, which will affect the service life of the battery.

After the battery pack is fully discharged, it must be charged for at least 1 hour within 24 hours to avoid damage to the battery pack due to continuous self power consumption.

It is forbidden to install any electrical equipment on the vehicle. Inferior electrical equipment may cause equipment short circuit, fire, electric shock and other accidents. The installed electrical equipment will affect the vehicle mileage and reduce the battery life.

Long time climbing or high-speed driving will lead to excessive battery temperature.

It is recommended to go to the official dealer authorized by ZEEHO for inspection and maintenance every three months to confirm whether the relevant connectors are loose and whether the battery needs maintenance or repair.

The original charger or designated charging point must be used for charging. Non original charger or non designated charging point may lead to failure of charging or circuit / battery failure.

Battery Recycling

Damaged or used batteries are "hazardous waste" and are prohibited to be discarded or recycled by private persons. Please contact the service center authorized by ZEEHO or contact relevant departments for recycling.

Battery inspection

If the battery pack has been used for more than 30,000 kilometers or more than three years(no matter which one comes first), please contact ZEEHO-authorized dealers to thoroughly inspect the pack, and replace it if necessary.

Charging

⚠WARNING
Do not charge or park in buildings. When charging, keep away from inflammables and explosives, beware of flame sparks, and the charging time should not be too long.
Do not charge in confined space or high temperature environment, and do not charge in rain and humid environment.
It is strictly prohibited to plug and unplug the plug with wet hands.
The charging shall be supervised by personnel to avoid accidents.

Charger

When the battery is fully charged or stops charging halfway, first unplug the charger from the charging socket, and then unplug the charger from the battery interface. After charging, disconnect the power supply of the charger in time, and it is forbidden to keep the fully charged battery pack in floating charge for a long time.

When charging, please use the original charger and stable AC power supply. It is forbidden to use generators and other equipment to charge the vehicle.

During charging, if the indicator light is abnormal, there is peculiar smell or the shell is overheated, stop charging immediately, unplug the power supply, and go to the after-sales service center authorized by zeeho to repair or replace the charger.

Do not overcharge the charger or damage other electrical equipment.

High voltage is dangerous. Do not disassemble, repair or replace the components in the charger by yourself.

Using a charger with abnormal charging characteristics will lead to insufficient or overcharge of the battery.
The use and storage environment of the charger shall be dry and ventilated, and prevent liquids, granular objects or metal objects from entering the charger to avoid short circuit inside the charger. Only outdoor power outlets are allowed.
It is forbidden to make any modification to the charger, including extension cord, power strip, distributor, grounding adapter, surge protector or any similar electrical equipment.
If the charging cable is worn, the insulation device is damaged, the wire is exposed or shows any major damage, it is prohibited to continue to use.
If the charger housing or charging connector is broken, damaged or shows any major damage, it is prohibited to continue to use.
The charger must be properly grounded during use. If the charger fails, the correct grounding will reduce the risk of electric shock. If you are not sure that the socket used has grounding function, please contact a qualified electrician for inspection and verification.
If the temperature of power battery is too high or just discharged rapidly from the fierce riding, it should be cooled and then charged. High temperature charging will shorten the service life of the power battery.

When inserting the charging gun, please ensure that the charging gun is completely consistent with the charging interface and firmly connected.

High Voltage Warning

⚠DANGER
Working on high voltage components requires special training, qualifications and tools.
All unexplained and unexplained work can only be performed by trained ZEEHO technicians.
Do not open the motor or lithium battery.

Fault Maintenance

If there is any fault in the vehicle power supply or charging system, please go to the service center authorized by ZEEHO for repair or replacement.

Precautions for Extremes

Low temperature environment

Generally, the low temperature environment has no permanent impact on the vehicle power battery, but the low temperature will temporarily affect the release of power battery energy. The colder the environment is, the more the driver can feel the changes brought by this impact on the driving experience, such as power decline. Accordingly, the time for the vehicle to reach the maximum speed will be prolonged.

It is not recommended that users drive the vehicle in an environment lower than - 0°C. If they have to drive, please charge the vehicle in an environment above 0°C after driving. It should be noted that the battery management system prohibits the power battery from discharging under - 20°C and charging under - 10°C.

Storage temperatures below - 35°C may cause permanent degradation of power battery performance, so it is not recommended to store the vehicle at too low temperatures. Above this temperature, and compliance with long-term storage requirements will ensure that the power battery will not be permanently affected during winter storage.

High temperature environment

The high temperature environment will not produce any significant performance changes to vehicle operation, but if the temperature of the power battery exceeds 55°C, the battery management system will prohibit the power battery from discharging continuously.

When the ambient temperature is higher than 40°C, the charging speed of the battery will decrease. When the ambient temperature exceeds 55°C, the battery will stop charging.

Storing the vehicle in direct sunlight above 40°C may cause permanent attenuation of power battery performance.

Before Driving

⚠WARNING
Different warning labels are set at the visible position of the vehicle. Please do not remove any warning labels. If these stickers are missing, you or others may not recognize the danger, resulting in injury.

⚠DANGER
This product is only applicable to reasonable and prudent driving with trained persons holding corresponding driving licenses in highway traffic. Note the following: Before driving, the user shall check all parts of the vehicle according to the chapter of daily safety inspection. If any problem is found, it shall be serviced before driving. Users should abide by local laws and regulations. It is forbidden to drive after drinking or taking drugs. Please wear appropriate protective gears during all driving, such as helmets, boots, gloves, and protective pants or jackets.

⚠DANGER
Do not make any modifications to the vehicle. Nonstandard modifications may lead to serious consequences. Refitting the device or electrical parts of this vehicle will affect driving safety, endurance and vehicle performance. Incorrect loading behavior can lead to serious consequences. Improper installation accessories may cause safety hazards.

Always use ZEEHO original parts and our approved accessories. Improper installation or improper loading of non ZEEHO original parts and accessories will affect the performance of the whole vehicle and even violate the requirements of laws and regulations. Please be responsible for your own safety and that of others.

⚠CAUTION
The components and accessories of this vehicle have been specially designed and verified, so we strongly recommend you to use the original ZEEHO components and install the accessories approved by us.

⚠CAUTION
The change of vehicle weight has a great impact on the performance of the vehicle, so you must accept the load weight, number of passengers and installation accessories specified by us.

⚠NOTE
As the design and quality of product parts are constantly improved, the printed manuals may be slightly different from the latest current vehicles. The descriptions and procedures in the printed manuals are for reference only. Some features described in the manual may not be applicable to the models currently sold in the market. All descriptions and directions given in this manual are based on the vision of the operator when sitting on the vehicle. Some configurations in this manual may not be applicable to the vehicle you purchased. Please watch the contents of the manual selectively according to the vehicle configuration.

General Information

Pay attention to the following basic matters before driving

- Any passenger must be very familiar with the particularity of electric motorcycle driving. If the passenger sits in an inappropriate position, the center of gravity of the human body deviates too much from the central plane of the electric motorcycle during driving or moves suddenly during driving, it may affect the operation and control of the electric motorcycle. During driving, the passengers shall sit on the passenger seat as stably as possible and shall not affect the driver's manipulation. Animals cannot be carried on electric motorcycles.
- The following items shall be noted when carrying luggage: in order to reduce the impact on the center of gravity of the electric motorcycle, all luggage carried on the electric motorcycle must be as low as possible. The weight of luggage must be evenly distributed on both sides of the electric motorcycle. Avoid extending the luggage too far behind the electric motorcycle. The luggage must be securely secured to the vehicle and must not be moved before driving. When the electric motorcycle feels unstable during driving, the firmness of the luggage shall be rechecked and readjusted if necessary. Do not carry heavy or bulky luggage. Overload will inevitably affect the handling and dynamic performance.
- When adding accessories, you should pay attention to the following matters: do not install accessories that reduce vehicle performance and carry luggage that reduce vehicle performance. Make sure that everything you do will not affect any lighting system, ground clearance, braking performance, roll angle, handling performance, tire compression stroke, front fork working stroke or other relevant driving performance of electric motorcycle. When the weight of handlebar or front fork is heavier, it will affect the steering performance and cause unsafe driving factors. The deflector, windshield, backrest and other large components will affect the stability and handling performance of the electric motorcycle. They will not only increase the weight, but also reduce the power performance when the electric motorcycle is running. Lack of design verification may cause unsafe factors after installation. It cannot be converted into a side three wheeled electric motorcycle and cannot be used to tow a trailer or other vehicles. We will not be responsible for the damage or injury caused by the user's self modification.

Safe Riding Gear

Always wear clothing suited to the type of riding for the driver and passenger, includes:

1 An approved helmet

2 Eye protection.

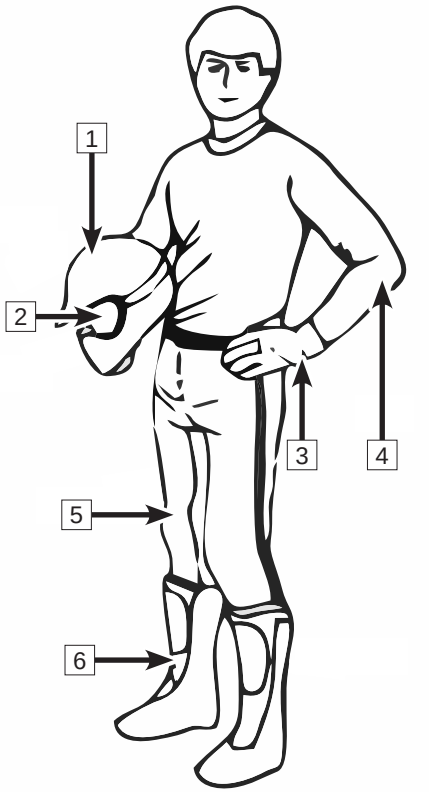
3 Gloves

4 Long sleeve shirts or jackets

5 Long pants

6 Over-the-ankle boots

According to the actual weather, you may need extra apparel, such as anti-fog eye protection, thermal underwear and a face guard for cold weather. The operator must never wear loose clothing that may get entangled in the vehicle or on tree branches and shrubs.



Helmet and Eye Protection

An approved helmet can prevent a serious head injury if an accident occurs. Please note that even the best helmet is no guarantee against injury.

The helmet you choose should meet the standard for your country or area. A closed-face helmet with face shield will be better at preventing impacts from insects, flying rocks, dust and scattered debris, etc.

An open-face helmet cannot offer the same protection for your face and jaw. Please wear detachable face masks and goggles when wearing an open-face helmet.

Do not depend on eyeglasses or sunglasses for eye protection, as they are not rated for impact protection. Debris may fly up and or break the lens, causing eye injury.

Use tinted masks or goggles only during the day in bright light, do not use them at night or in poor light. They may affect your ability to distinguish colors. Do not use them if your color discrimination is affected.

Gloves

Full-finger gloves could protect your hands from wind, sun, heat, cold, and splash. Well-fitted gloves are helpful for steering and relieve hand fatigue. If the gloves are too heavy, it will be difficult to operate the vehicle.

A pair of strong motorcycle gloves offer protection for your hands in the event of an accident or turnover. Snowmobile gloves offer better protection when operating in cold areas.

Jackets, Pants and Motorcycle Suits

Wear a jacket or a long sleeved shirt and long pants, or a full riding suit. Quality protective gear will provide comfort, and it can help you avoid being distracted by adverse environmental elements. In case of an accident, good quality protective gear made of sturdy material may prevent or reduce injury.

In cool-weather riding, protect yourself against hypothermia. Hypothermia, a condition of low body temperature, can cause loss of concentration, slowed reactions and loss of smooth, precise muscle movement. In cool conditions, proper protective gear like a windproof jacket and insulated layers of clothing are essential. Even while riding at moderate temperatures, you can feel very cold due to the wind. Protective gear that is appropriate for cold-weather riding may be too hot when stopped. Dress in layers so that clothing can be removed as desired. Topping the protective gear with a windproof outer layer can prevent cold air from reaching the skin.

Boots

Always wear closed-toe, over-the-ankle boots. Sturdy over-the-ankle boots with non-slip soles offer more protection, and allow you to plant your foot properly on the foot pegs. Avoid long shoelaces that could get tangled in the vehicle components. For winter riding conditions, rubber-soled boots with either nylon or leather uppers and removable felt liners are best suited. Avoid rubber rain boots. Rubber rain boots may get trapped behind the foot brake pedal, impairing proper operation.

Other Riding Gear

Rain Gear

When riding in rainy weather, a rain suit or a waterproof riding suit is recommended. On long rides, it is a good idea to carry rain gear. Keeping clothes dry results in being much more comfortable and alert.

Hearing Protection

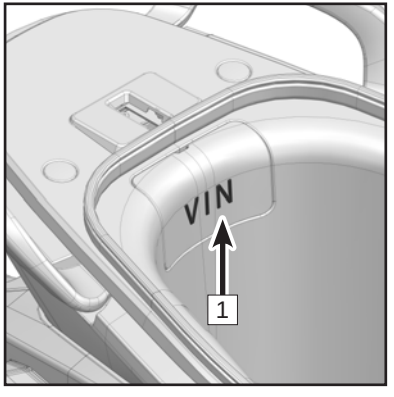
Long-term exposure to wind and engine noise when riding can cause permanent hearing loss. Properly worn hearing protective devices such as earplugs can help prevent hearing loss. Check local laws before using any hearing protective devices.

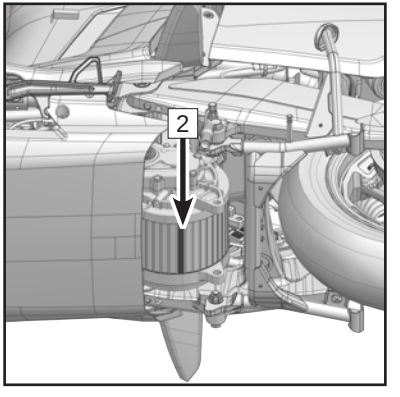
VIN and Motor Serial Number

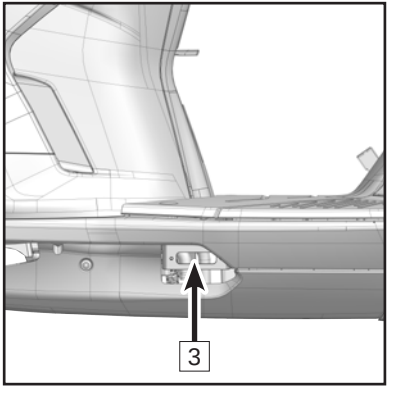
Be sure to record the VIN number, motor serial number and name plate information in the spaces below:

Vehicle identification number:

Motor serial number:







1	VIN	2	Motor serial number	3	Vehicle plate

Specifications

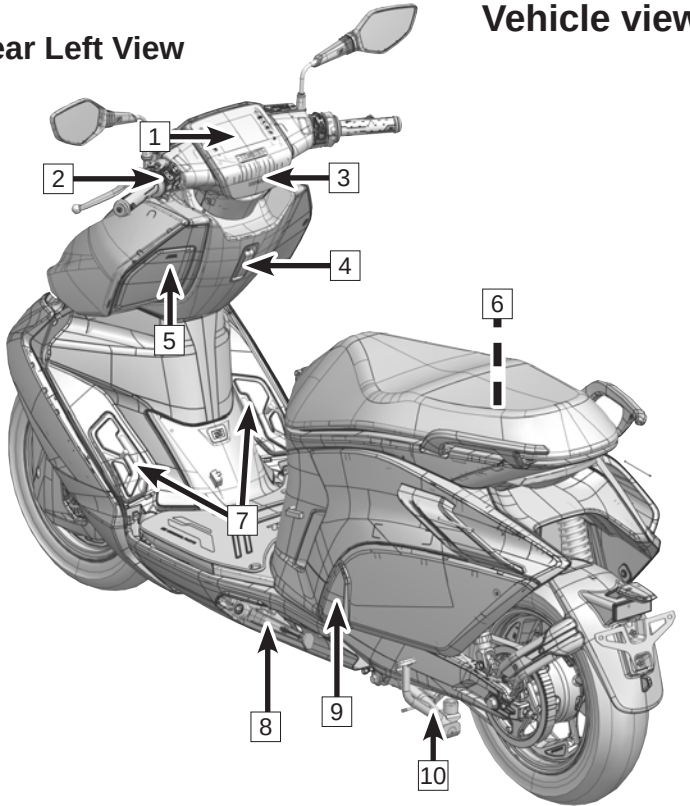
	AE8 / AE8 + / AE8 S+
Min. turn diameter	2.05 m
Top designed speed	103 km/h
Size	
Length	1900 mm
Width	735 mm
Height	1075 mm
Wheelbase	1380 mm
Seat height	765 mm
Ground clearance	140 mm
Curb weight	131 kg
Maximum load	152 kg
Motor	
Type	Central permanent magnet synchronous motor
Rated voltage	69V
Rated power / peak power	5kW/12.5kW
Rated rpm	4315rpm
Rated torque	11.1N•m
Rated phase current / peak phase current	100A/290A
Reduction ratio	2.57

Motor lubricant capacity	API GL-4 SAE 75W-90 60mL	
Charger		
Input voltage	160 Vac~250Vac	
Electric frequency	47 Hz ~ 54 Hz	
Charging current	Slow charging-10A(750W) Quick charging-22A(1900W)	
Power battery(signal)		
Type	Ternary lithium battery	
Nominal capacity	32 Ah	27 Ah
Nominal voltage	69 V	69 V
Drive		
Drive type	Synchronous belt + aluminum pulley	
Drive system	Motor drive	
Chassis		
Tire size	Front	100/80-12
	Rear	120/70-12
Rim size	Front	2.50MT×12
	Rear	3.50MT×12
Electrical devices		
Battery	12V/5 Ah	

Headlights	Hign-beam LED×4 Low-beam LED×2 Front position light LED×127 Front turn light LED×9
Tail lights	Brake light LED×6 Rear turn light LED×2 Tail light LED×12

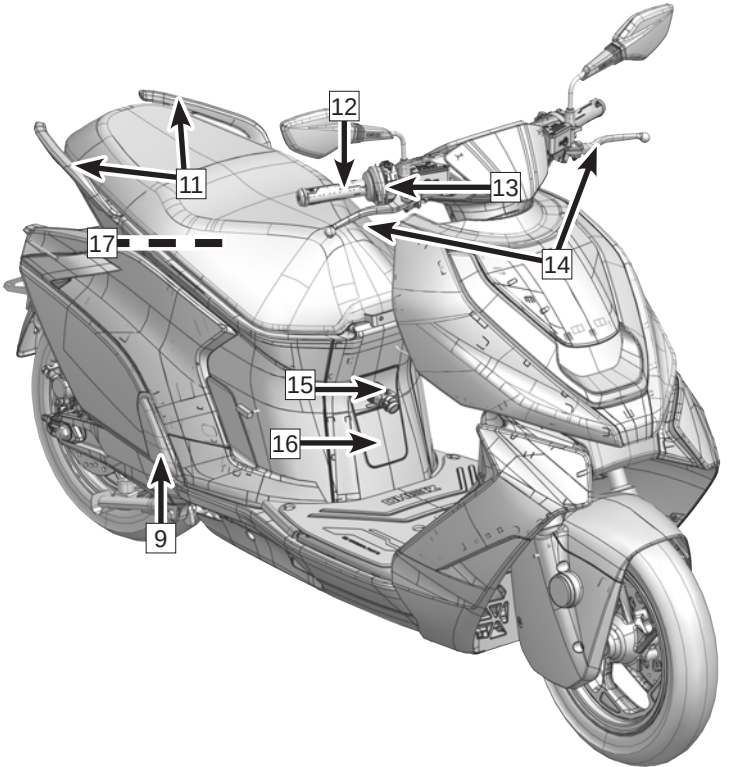
Vehicle view

Rear Left View



1. Dashboard
2. LH handlebar switch
3. NFC card reader
4. Helmet hook
5. Storage box
6. Storage box
7. Driver footrest
8. Side stand
9. Passenger footrest
10. Center supporter

Front Right View

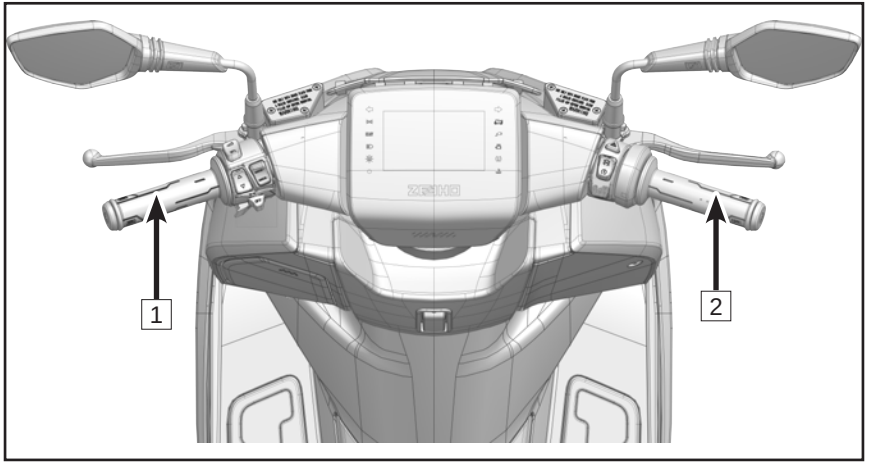


11. Handhold
12. E-throttle grip
13. RH handlebar switch
14. Brake lever
15. Charging port
16. Coolant filling port
17. VIN cover

Hydraulic Brake Lever

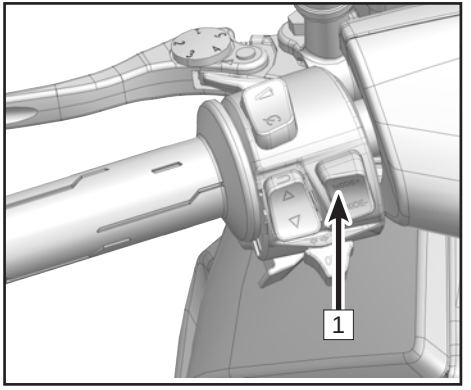
Rear hydraulic brake lever 1 is on the left side of handlebar, to perform the braking action of the rear brake caliper.

Front hydraulic brake lever 2 is on the right side of handlebar, to perform the braking action of the front brake caliper.



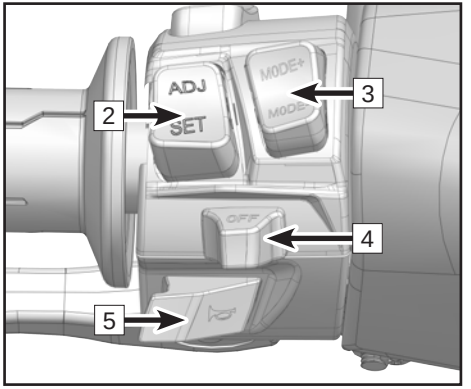
Handlebar Switch, LH

Left handlebar switch [1] is on the left side of the handlebar.

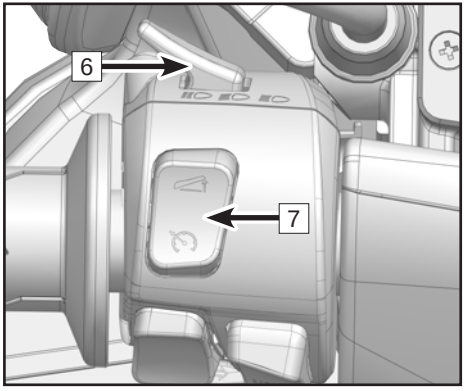


Function of left handlebar switch

[2]	Dashboard adjusting button	ADJ SET	Adjust dashboard by ADJ and SET Button, Details refer to dashboard setting (according to configuration)
[3]	Gear switch	MODE+	Short press to switch between ECO mode (60km/h, torque limitted), STREET mode (80km/h, torque limitted) and SPORT mode(97km/h, torque non-limitted).
		MODE-	In SPORT MODE, when the speed is faster than 80km/h, press MODE+ to enter BOOST MODE; the vehicle automatically exit BOOST MODE when the speed is lower than 90km/h.



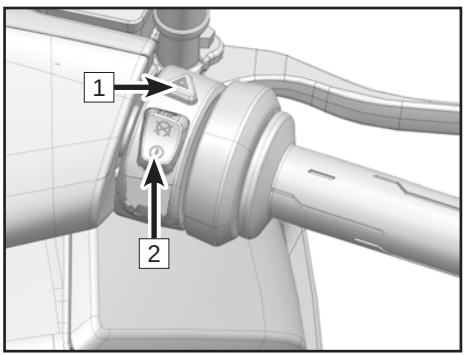
3	Forward/ Reverse switch	MODE+	When the vehicle is in P gear, long press MODE+ and the vehicle moves forward at a certain speed. It automatically shifts to P after releasing.
		MODE-	When the vehicle is in P gear, long press MODE- and the vehicle reverses at a certain speed. It automatically shifts to P after releasing. ⚠**WARNING: this function must be used when the vehicle is completely stopped .**
4	Turn switch	⇨	Push this switch to the right, the right turning light will activate.
		•	Short press turn switch to turn off turning light
		⇦	Push this switch to the left, the left turning light will activate.
5	Horn button		Short press, the horn will sound.



6	Dimmer switch		Turn to this position, high beam lights on.
			Turn to this position, low beam lights on.
			Short press this button, passing light will flash.
7	Cruise , seat lock switch		Cruise switch. Details refer to dashboard section.
			Short press to unlock seat. It is only available when vehicle is stopped.

Handlebar Switch, RH

Right handlebar switch is on the right side of the handlebar.



Right handlebar switch function

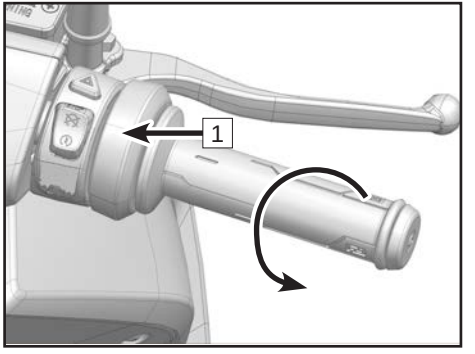
1	Hazard flasher switch		Short press to turn on the hazard flasher light.
2	Stop switch		Turn to this position, the motor turns off.
			Push this button to start the motor.

Electronic Throttle Assy

This vehicle is equipped with an electronic throttle assembly 1. When rotating the throttle grip, the VCU provides the best driving strategy by combining the information of throttle open angle, motor RPM, gear position, motor temperature and vehicle driving mode, etc.

When the electronic throttle fails, the motor will stop driving.

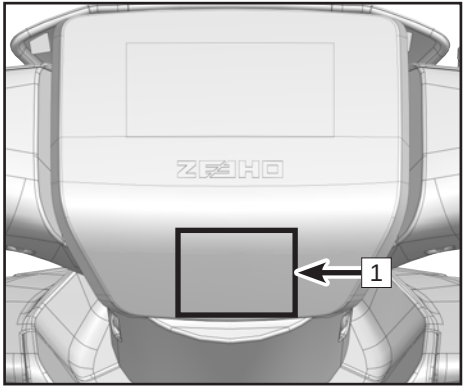
When the vehicle starts, if electronic throttle is not in the initial position, the vehicle cannot switch from "P" gear to driving.



Locks

NFC

Use NFC key / NFC card to contact the NFC reader area 1 of the vehicle, and start the vehicle after receiving the NFC unlocking signal.



NFC card

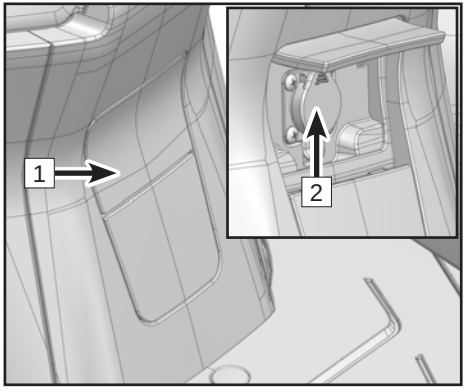
Charging Port

Open charging port cover 1.

Open charging port 2.

Charge with charge point / charger.

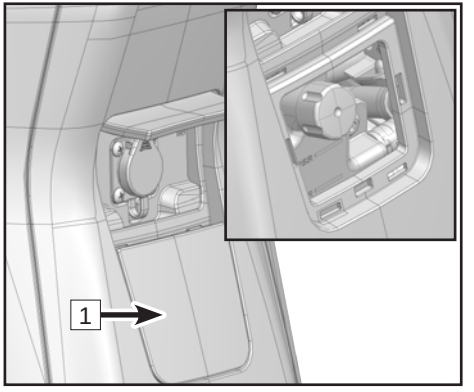
⚠DANGER
The vehicle adopts a single 69v high-voltage lithium-ion battery pack, which exceeds the safety voltage of 36V. When carrying out any operation on the battery, you must carefully read the manual, especially the chapter "**Power Battery and Charging**" to avoid danger.



Coolant Filling Port

Remove coolant filling port cover 1.

Remove reservoir tank cap to add coolant.



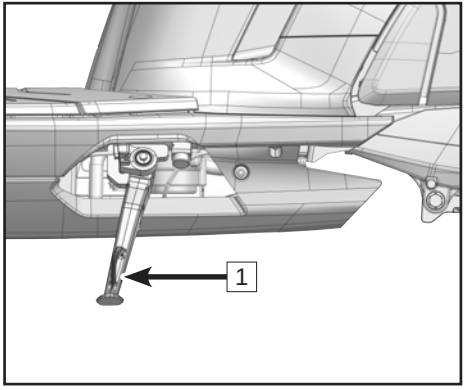
Side Stand

Side stand 1 is on left side of vehicle, which is for parking vehicle.

The vehicle cannot start when side stand is open.

Lift side stand when the vehicle is running.

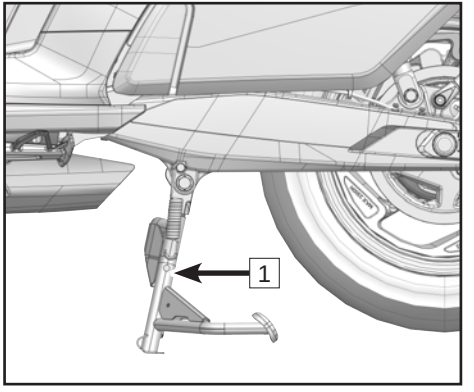
When the stress sensor in the seat finds that no one is seated and the side stand is down, it will automatically power the vehicle off.



Center supporter

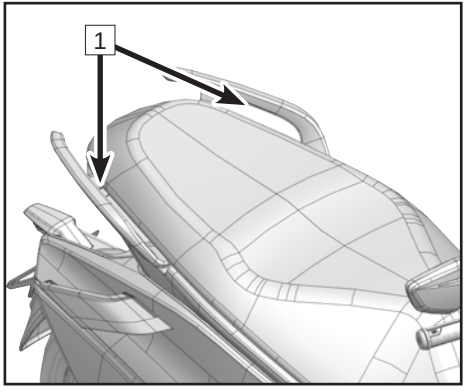
Center supporter 1 is at bottom of vehicle, which is for parking vehicle.

Center support is used to park the vehicle. It is forbidden to sit on the vehicle in use.

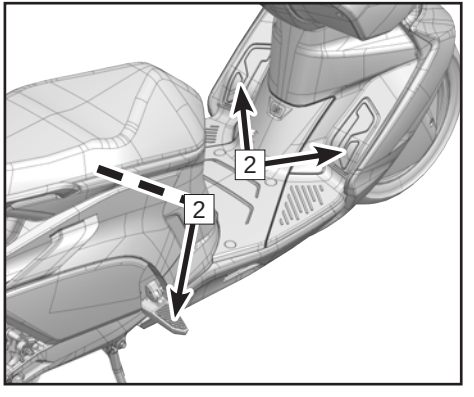


Passenger Handhold and Footrest

A passenger handhold 1 is mounted on the motorcycle seat for passenger to hold on during riding.

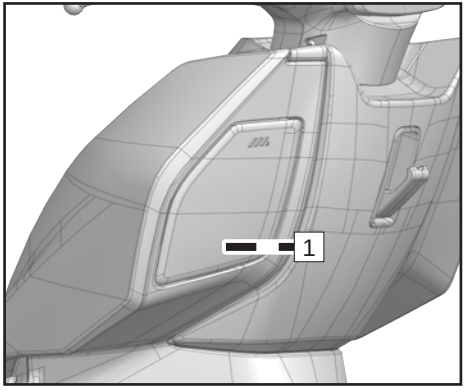


Footrests 2 are mounted on the motorcycle for the operator and passenger.



Electrical Accessories Socket

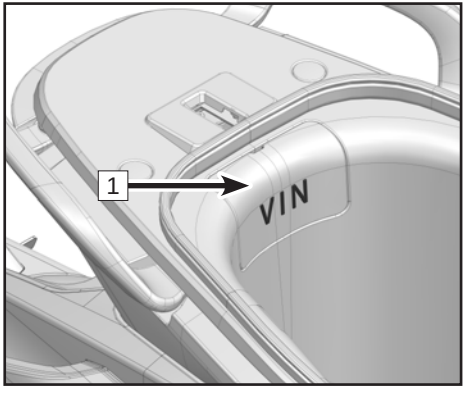
USB/Type-C connector 1 is in storage box, which supports 18W fast charging and can supply power for various electrical accessories.

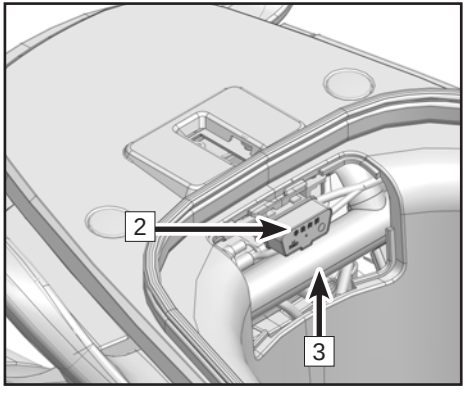


VIN Cover

VIN cover [1] is under the seat. Open cover you can see the VIN [3], record this number in owner's manual.

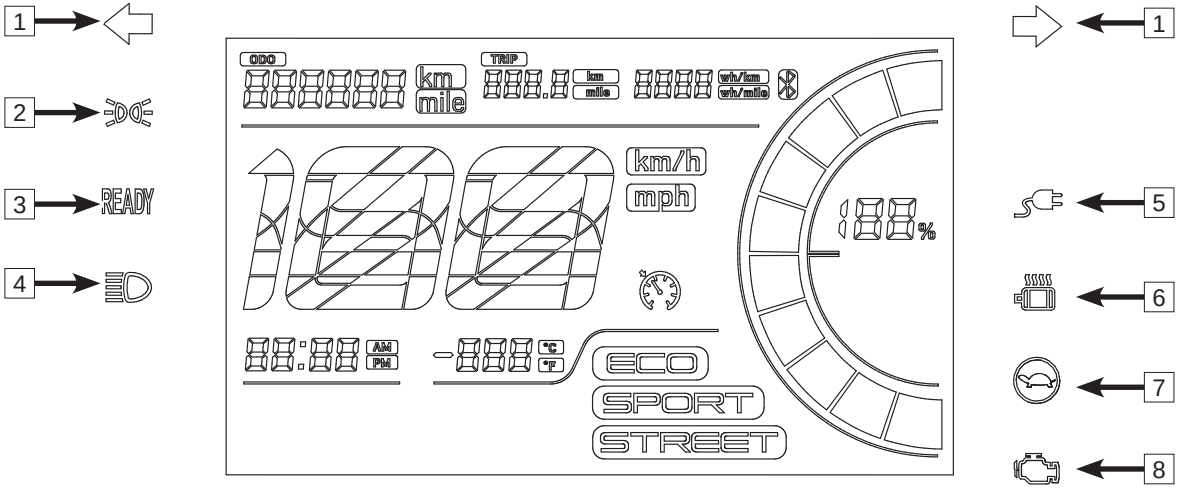
⚠CAUTION
Diagnosis connector [2] is only for ZEEHO authorized dealer during diagnosing. In other cases, do not open diagnosis connector cap.

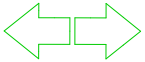




Dashboard

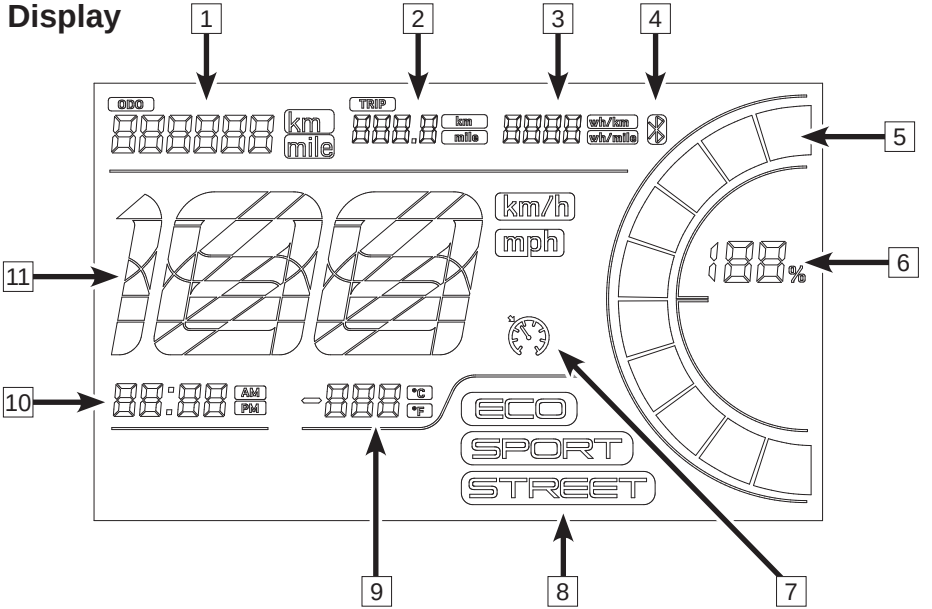
Dashboard Indicators



Ref	Symbol	Function	
1		Turn indicator	Indicator flashes when the turning light turns on.
2		Position indicator	Indicator will be on when the position light turns on.
3		Ready for operation indicator	When the vehicle starts correctly according to starting process, this ready for operation indicator will be on, which means the vehicle is allowed to enter the driving state.
4		High-beam indicator	High beam indicator will be on when high beam lamp turns on
5		Charging connection indicator	Charging connection indicator, which is always on when charging with charger or charging pile.
6		Motor and controller overheating indicator light	When the motor is overheated, the light flashes, please park the motorcycle according to traffic regulations and wait for the motor temperature to drop, avoid high-speed driving or climbing long slope for a long time, which will make the motor overheat quickly and lead to the reduction of range. If the motor frequently overheats during normal riding, contact the after-sales service center authorized by ZEEHO in time.

7		Limping mode indicator light	When the motorcycle has some faults or low power, in order to prolong the range and avoid dangers, the motorcycle automatically enters the limping mode. At this time, the motorcycle's speed is limited to under 10km/h. If the motorcycle enters the limping mode due to low power, the speed will gradually decrease with the reduction of electric power.
8		System fault indicator light	When the light is on, fault occurs. Contact the after-sales service center authorized by ZEEHO in time.

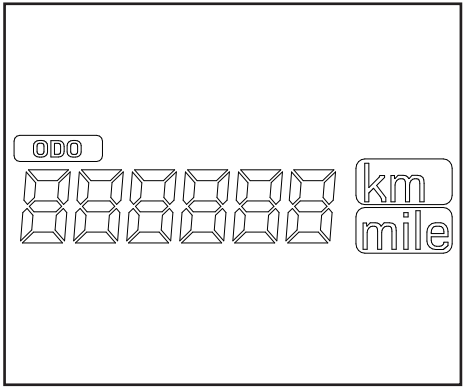
Dashboard Display



1	Odometer	5	Total electricity	9	Ambient temperature display
2	Trip	6	Percentage of battery	10	Clock
3	Electricity consumption	7	Cruise display	11	Speed display
4	Bluetooth	8	Vehicle mode		

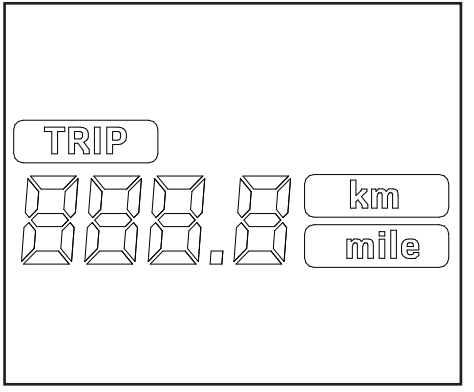
Odometer

Displays the total mileage of the current vehicle, which cannot be eliminated.



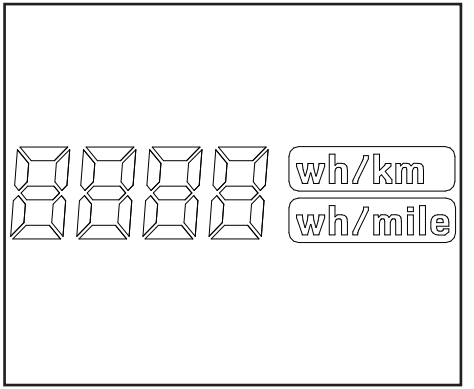
Trip

Displays the small mileage of the current vehicle, which can be eliminated and recalculated



Electricity consumption

Displays the current power consumption per km / mile.

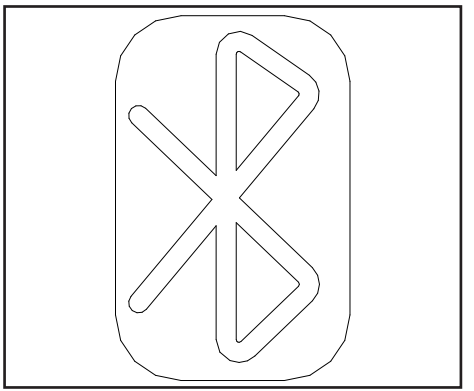


Bluetooth(if equipped)

The Bluetooth connection status is displayed here. Connect mobile phones, helmets and other devices through Bluetooth.

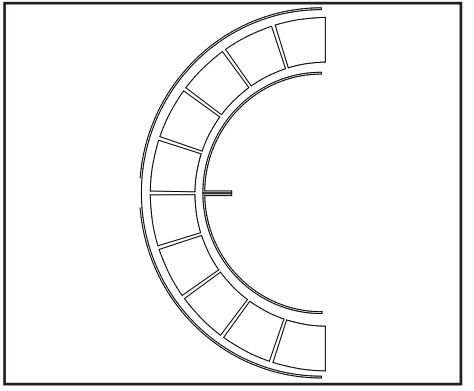
When mobile phone is connected with the vehicle through Bluetooth, the Bluetooth identification will be displayed in this area.

Some functions can only be used after the mobile phone is correctly connected to the vehicle.



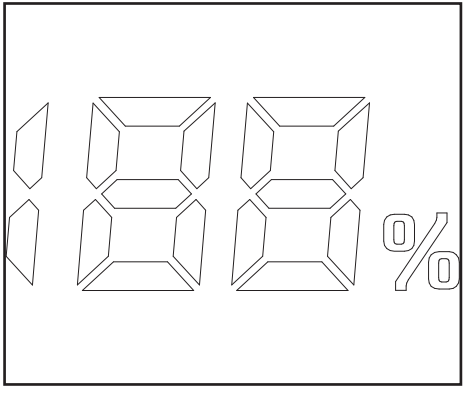
Total electricity

Display the total electricity of the current vehicle. It flashes when the power remains two cells. Please replace the battery or charge it in time.



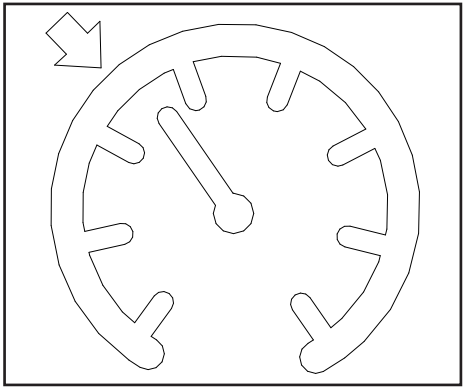
Percentage of battery

The vehicle uses a replaceable dual battery design. The battery power percentage is displayed here. When the battery power is too low, please replace the battery or charge it in time.



Cruise display

The cruise function is located on left handlebar switch. When the speed is over 15km/h and the gear is in Ready, the cruise function can be enabled. Once activated, the switch control does not require manual input, and the vehicle can be maintained at the selected speed. The maximum speed selected shall not exceed 100km/h.



Activate cruise function:

- Briefly press control switch to enable cruise function when accelerating to desired speed.

Turn off cruise function:

- Any braking action or throttle action will release cruise system
- If at any time the actual vehicle speed reduces to less than 15 Km/h, the cruise function releases automatically.
- Using the control switch or turning off the vehicle power will turn off the cruise function completely.

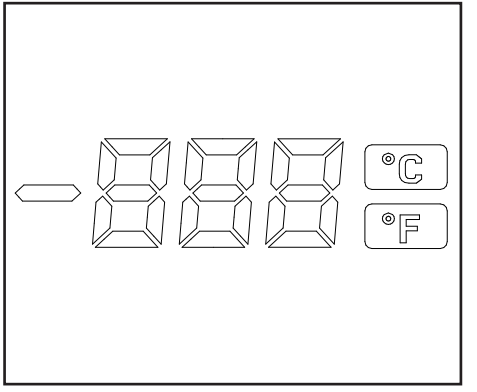
⚠DANGER
Always turn off the cruise system when it is not needed to avoid unintended activation.
Do not use the cruise system when traffic is busy, in sharp turns, on winding roads, wet or slippery road surfaces, ice or snow covered road surfaces, steep hills, or hilly roads. It may lead to an out of control vehicle and an accident.
The operator is the main controller of the vehicle, with priority of control over the cruise system. When the vehicle is in cruise system mode, the operator can quickly regain control at any time by using the brake or throttle grip.
Cruise control is only an auxiliary system to help reduce operating fatigue. Do not rely on its function to compensate for your driving abilities, and be extremely cautious while driving in this mode.

Vehicle mode

Use the mode switch on the left handlebar switch to adjust the vehicle mode and switch between ECO, Sport and STREET. The dashboard displays the current vehicle mode in this area.

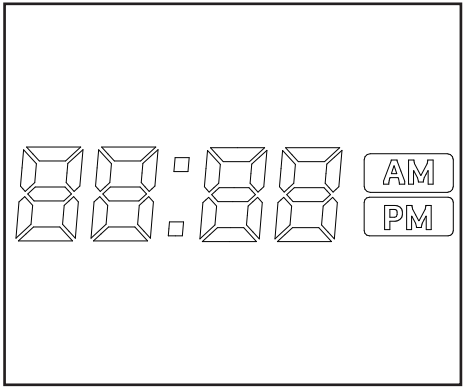
Ambient temperature display

Displays the temperature in the current environment. When the ambient temperature is too low, it will have a certain impact on vehicle endurance and power. See the precautions for extreme environment for details.



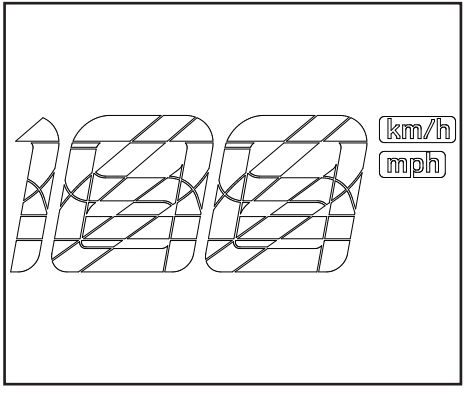
Clock

Displays the currently time.



Speed Display

Displays the current vehicle speed.



Dashboard Adjustment

Long press SET to cycle the dashboard adjustment options. In the process of adjustment, you can switch to the next item at any time by long press SET. No operation within 15s or double click SET to exit the adjustment mode.						
Backlight brightness	Trip eliminating	Hour setting	Minute setting	Metric-inch switching	12 / 24-hour switching	°C/°F switching
Short press SET: display the backlight level Short press ADJ: switch 5-level backlight brightness	Long press: eliminate trip	Short press ADJ: hour value + 1 Long press ADJ: hour value + 1 continuously	Short press ADJ: minute value + 1 Long press ADJ: minute value + 1 continuously	Short press ADJ: switch	Short press ADJ: switch	Short press ADJ: switch Long press SET: enter main page

TFT INSTRUMENT (Available in Select Markets)

NOTE
With function adjustment and version updates of the instrument and renewed vehicle configurations, some contents of the instrument may change, please selectively refer to this chapter according to your car. When upgrading the TFT instrument, ensure that the vehicle is powered on without interruption, otherwise the upgrading may fail. Wait until the upgrading is completed before powering off the vehicle.

Instrument

The instrument is mounted at the front side of the handlebar and divided into two function areas:

1: Instrument Indicators

2: Instrument Display

Activation and Testing

Activation

The instrument is activated synchronously when the motorcycle is powered on.

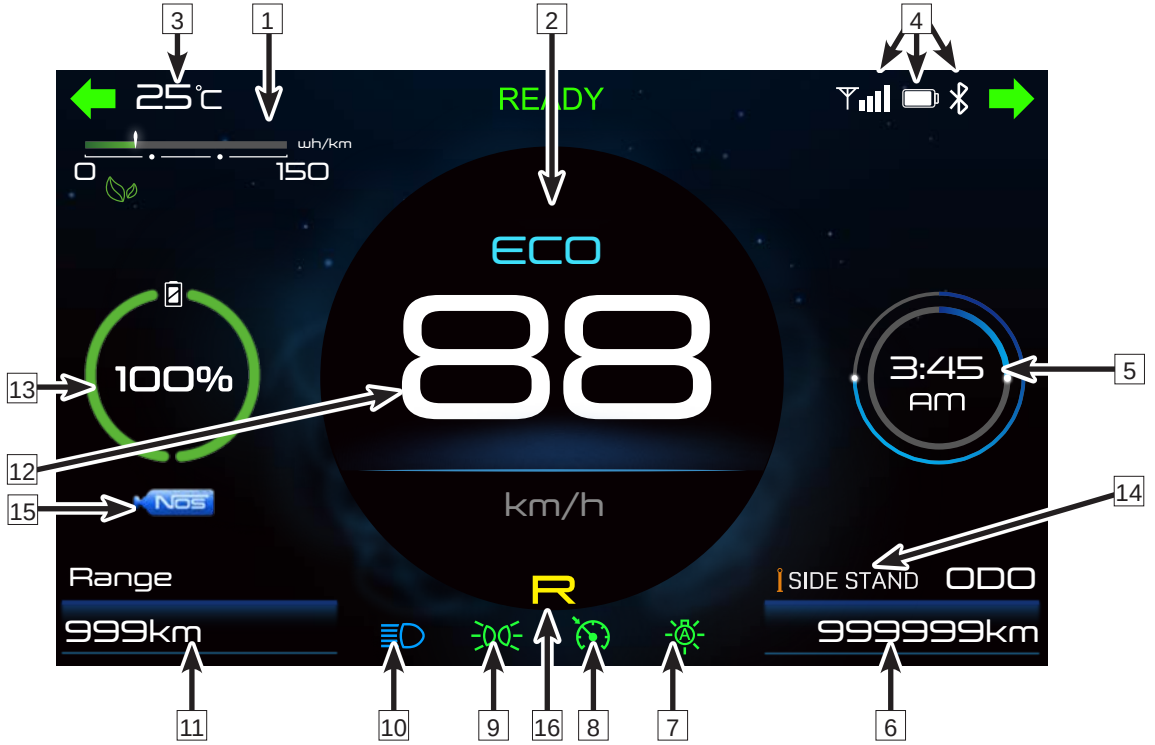
Testing

The display screen shows a startup cartoon and the indicator light is turned on for self-inspection and at this time, the button will not respond until the cartoon is over.

Instrument Indicators

Number	Symbol	State	
1		System fault indicator light	When the light is on, fault occurs. Contact the after-sales service center authorized by ZEEHO in time.
2		Limping mode indicator light	When the motorcycle has some faults or low power, in order to prolong the range and avoid dangers, the motorcycle automatically enters the limping mode. At this time, the motorcycle's speed is limited to under 10km/h. If the motorcycle enters the limping mode due to low power, the speed will gradually decrease with the reduction of electric power.
3		ABS fault indicator light	When ABS fails, the light will be on, at this time the ABS system will stop working, but the ordinary braking will still work, please reduce the speed, avoid the emergency brake, and timely contact the after-sales service center authorized by ZEEHO.
4		Charging connection indicator light	When the vehicle is charged with a charger or charging pile, the indicator is on.

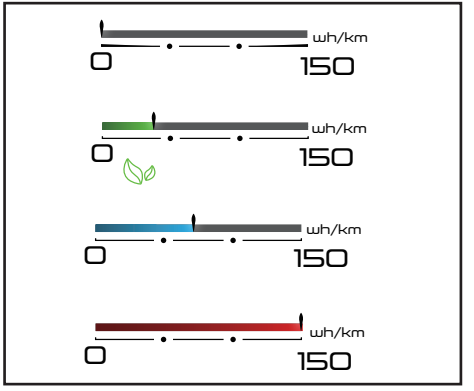
5		Motor and controller overheating indicator light	When the motor is overheated, the light flashes, please park the motorcycle according to traffic regulations and wait for the motor temperature to drop, avoid high-speed driving or climbing long slope for a long time, which will make the motor overheat quickly and lead to the reduction of range. If the motor frequently overheats during normal riding, contact the after-sales service center authorized by ZEEHO in time.


3
1
2
4
25℃
READY
wh/km
0
150
ECO
88
100%
3:45
AM
km/h
13
12
15
5
14
Range
999km
SIDE STAND
ODO
999999km
R
11
10
9
16
8
7
6

1	Electricity consumption	7	Automatic Headlights	13	Power Remained
2	Motorcycle Mode	8	Cruise Control	14	Side Stand Indicator
3	Ambient Temperature	9	Position Light	15	BOOST Mode
4	Bluetooth	10	High Beam	16	Reverse Gear Indicator
5	Clock	11	Range		
6	Optional Info One	12	Speed		

Electricity consumption

The real-time electricity consumption of the motorcycle in ECO mode is displayed here. If you need a longer riding range, please pay attention to the real-time electricity consumption during riding; try to make the motorcycle in a green economic electricity consumption state, and avoid high electricity consumption.

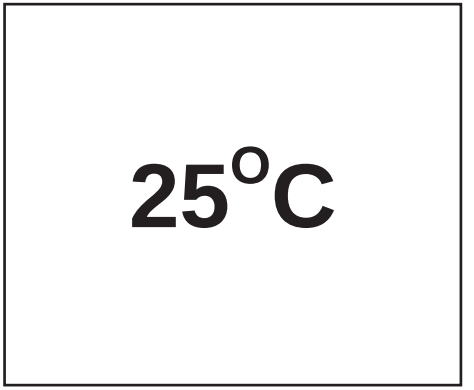


Motorcycle Mode

Use the gear switch on the left handlebar to adjust the motorcycle mode among “ECO”, “STREET” and “SPORT”.

Ambient Temperature

The current external ambient temperature is displayed here. Too-high or too-low temperature will affect the range of the motorcycle. In extreme weather, the range may permanently be decreased.

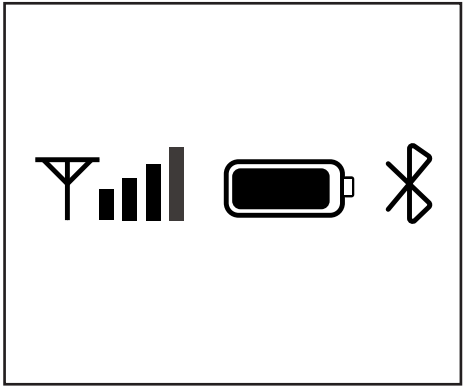


Bluetooth

The Bluetooth connection state is displayed here. Bluetooth is used to connect mobile phones and helmets.

When the user's mobile phone is connected to the motorcycle's instrument through Bluetooth, the area will display the Bluetooth logo, the signal strength and power of the mobile phone.

Some functions can only be used when the phone is properly connected to the motorcycle.



Clock

The current time is displayed here.

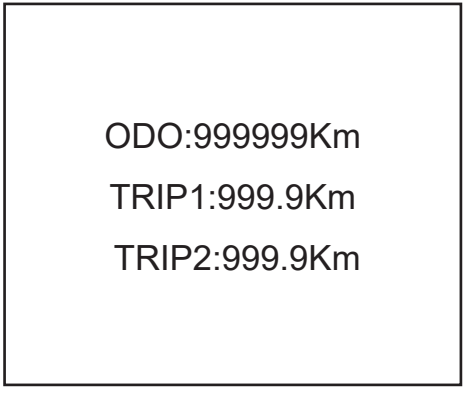
Set the current time through the menu.

Switch between 12 hours and 24 hours through the menu.

Optional Info One

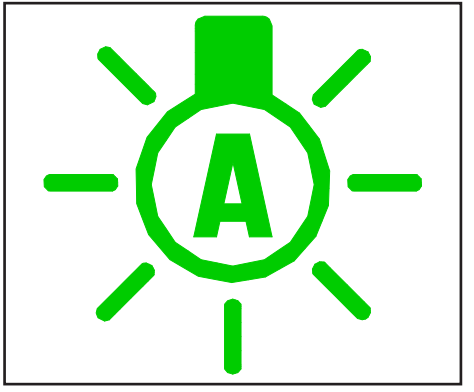
The user can select a message from the menu to be displayed here.

Optional Info One: ODO, Trip 1,Trip 2



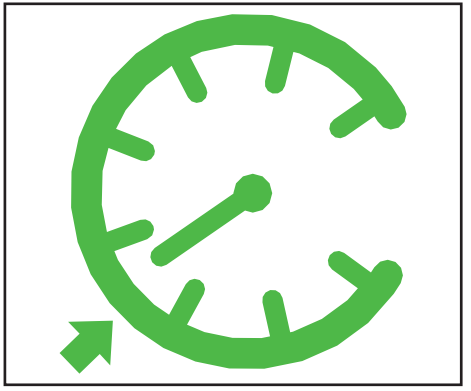
Automatic Headlight

When the automatic headlight is used, its indicator light is on. At this time, after switching the illumination button to "●", the motorcycle will automatically turn on or off the headlight, position light and tail light according to the ambient light.



Cruise Control:

The cruise function is located on left handlebar switch. When the speed is not lower than 15km/h, the cruise control system can be enabled. Once enabled, the switch control does not require manual input, and the vehicle can be maintained at the selected speed. The maximum speed selected shall not exceed 100km/h.



Turn on cruise control system:

- When the vehicle accelerates to your desired speed, press the cruise control switch to turn on the function.

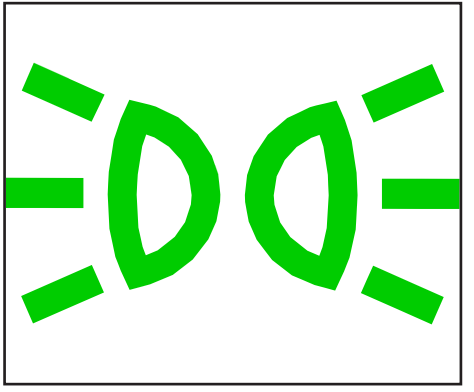
Turn off cruise control system:

- Any braking action or throttle grip action will release cruise system.
- If at any time the actual vehicle speed reduces to less than 15 Km/h, the **cruise control** releases automatically.
- Using the control switch or turning off the vehicle power will turn off the cruise function completely.

⚠DANGER
Always turn off the cruise control system when it is not needed to avoid unintended activation. Do not use the cruise control system in busy traffic or sharp turns, on winding roads, wet or slippery roads, icy or snowy roads, steep hills, or hilly roads. It may lead to an out of control vehicle and an accident. Riders are main operators of the motorcycle, and their control is prior to the cruise control system. When the motorcycle is cruising at a constant speed, control of the motorcycle is returned to riders when they use the brake and switch. Cruise control is only a rider-assistant system, do not rely on it too much, always ride the vehicle carefully.

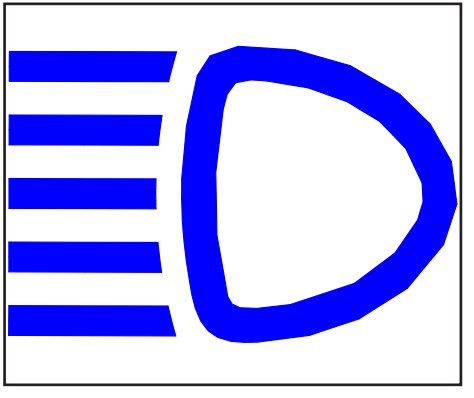
Position Light

When its indicator light is on, the position light is on.



High Beam

When its indicator light is on, the high beam is on.



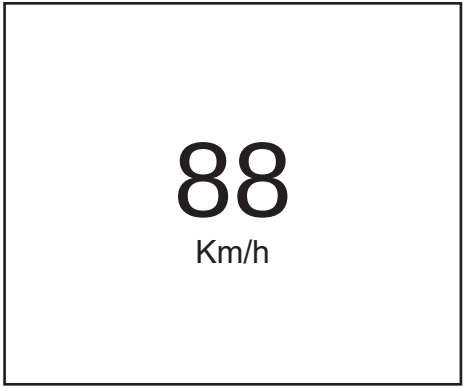
Range

Display the remaining mileage of the motorcycle. Please plan the route reasonably according to the remaining mileage.

When ODO is less than 10 km, the range is not displayed.

Speed

The current speed per hour is displayed here.

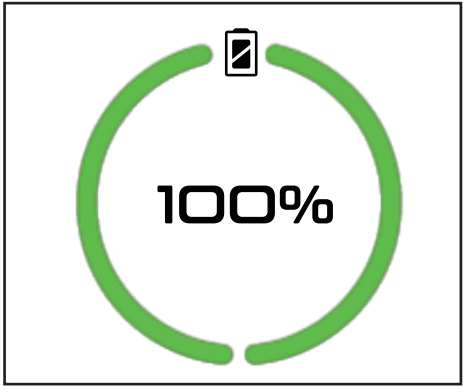


Power Percentage

The power percentage is displayed here.

When the motorcycle is being charged, the lightning icon appears at the top; When the motorcycle is not being charged, the battery icon appears at the top.

When the battery power is too low, the number of battery cells will be red, and the motorcycle power will be limited to some extent. It is recommended to switch to ECO mode, and try to keep an even low speed, avoid emergency brakes, to extend the motorcycle's range.



Side Stand Indicator Light

When the side stand is used, the indicator light is on. At this time, the motorcycle cannot be started with gear.

BOOST Mode

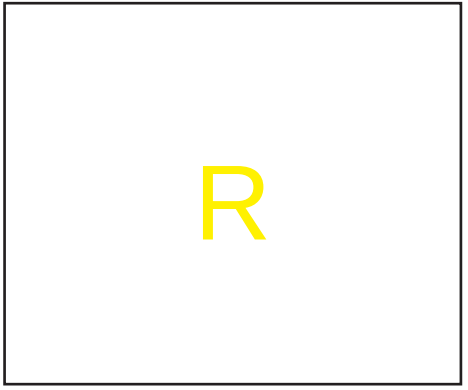
In SPORT MODE, when the speed is faster than 80km/h, press MODE+ to enter BOOST MODE; the vehicle automatically exit BOOST MODE when the speed is lower than 90km/h.

BOOST mode lasts 30 seconds and needs to cool down for 45 seconds before being triggered again.

If the battery temperature is at the protection boundary, the vehicle cannot enter BOOST MODE. If you press MODE+, it will have no effect and an error warning sound will be heard once.

Reverse Gear Indicator

When the indicator is on, the reversing function is enabled and the vehicle will reverse at a certain speed.



Instrument Menu

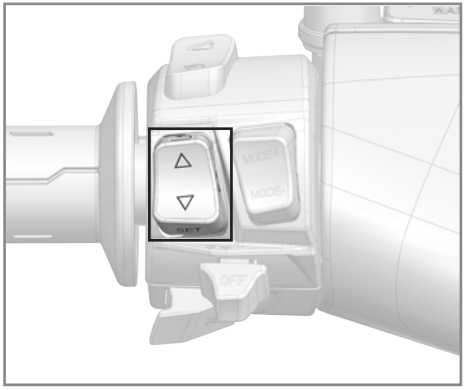
Adjust instrument settings through the menu to optimize the riding experience.

Long press ▽ on the left handlebar switch to enter the instrument menu.

⚠WARNING
The menu mode is only allowed when the motorcycle is parked and safe.

Instrument Switch

Menu buttons are on the left handlebar switch, and are used to operate relevant functions of the instrument.



Menu buttons	△	Press for previous choices. Press the button for longer than one second, to return to the previous menu. Press the button for longer than three seconds to return to the main page.
	▽	Press for next choices below, and long press to confirm your choice.

Settings

Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Settings.

On the Instrument setting menu, riders can adjust and set the following contents:

Units

Equipment Connection

Optional Info One

Optional Info Two

Brightness Control

TRIP Reset

Time Settings

Language

Reset All

Unit Setting

Change units of speed, time, temperature and tire pressure to suit your reading habits.

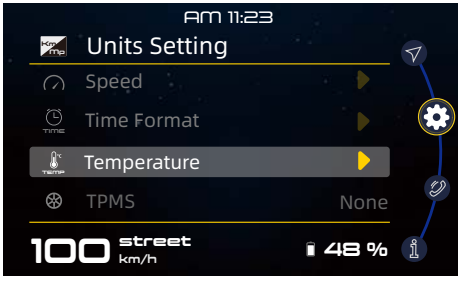
Long press ▽ on the left handlebar switch to enter the Instrument Menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter instrument Settings.

Press △ or ▽ to find the suitable unit, and long press ▽ to enter Unit Setting.

Press △ or ▽ to find the suitable unit, and long press ▽ to enter Adjustment.

Press △ or ▽ until you find the suitable unit, and long press ▽ to complete the adjustment.



Speed

Metric km/h	British mph

Time

Twelve-hour system	Twenty-four hour system

Temperature

Celsius system °C	Fahrenheit °F

Tire Pressure

KPa	Bar

Equipment Connection

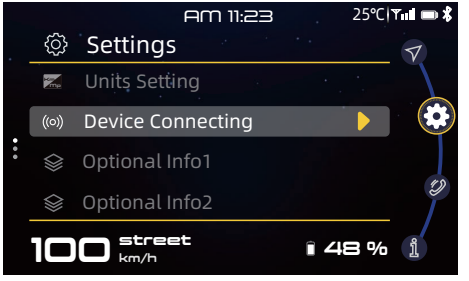
After connecting the phone to the instrument via Bluetooth, navigation and dial can be used.

Follow these steps to connect your phone to the Bluetooth:

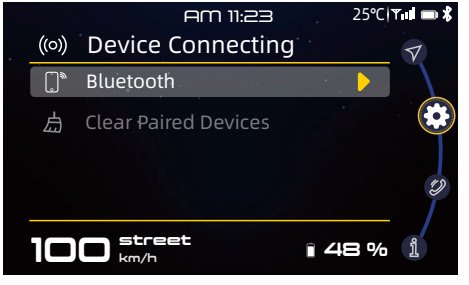
Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Settings.

Press △ or ▽ to switch to Equipment Connection, and long press ▽ to enter Connection Setting.



Press △ or ▽ until your mobile phone's Bluetooth is marked, and long press ▽ to enter the phone Bluetooth menu

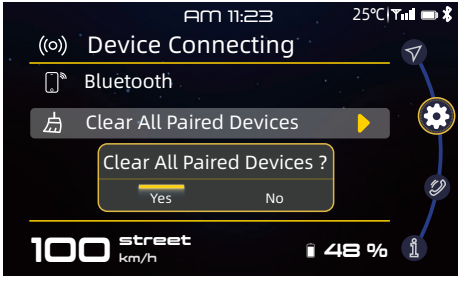


Press △ or △ to select a mobile phone that you have connected to before, and long press △ for connection.

Press △ or △ until the new equipment is marked, and long press △ to search for nearby Bluetooth.

On the Equipment Connection page, press △ or ▽ until the equipment is deleted, and long press ▽ to enter the second confirmation page.

Press △ or △ to confirm the deletion, and long press △ to confirm your choice.



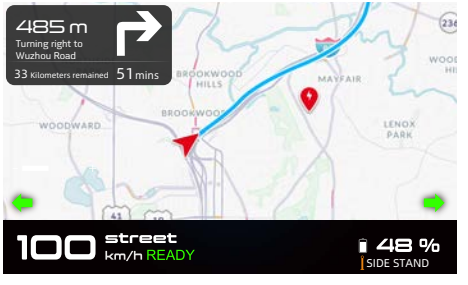
Navigation

This function can be used when the instrument is connected to the phone through Bluetooth and the phone equipped with ZEEHO APP.

Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or ▽ to switch to Navigation, and long press ▽ to enter it.

Vehicle-phone connection can be enabled by scanning the QR code with ZEEHO APP. Users can use the app's function of projection screen to project the navigation map onto the dashboard.

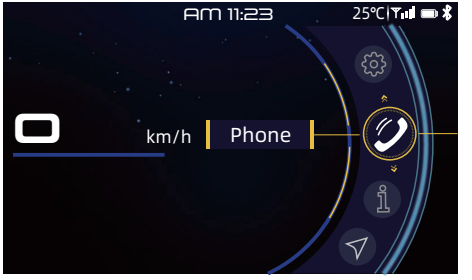


Phone

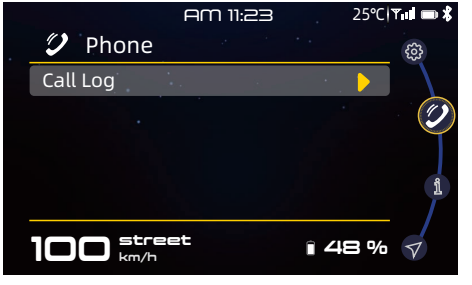
When the user receives a call through Bluetooth, press ▽ to answer the call and ▽ to hang up the call.

When the instrument connects the phone via Bluetooth, the user can view recent calls in the Phone menu.

Long press ▽ on the left handlebar switch to enter the Instrument menu.



Press △ or △ to switch to Phone, long press △ to enter Phone, long press △ to enter recent calls.



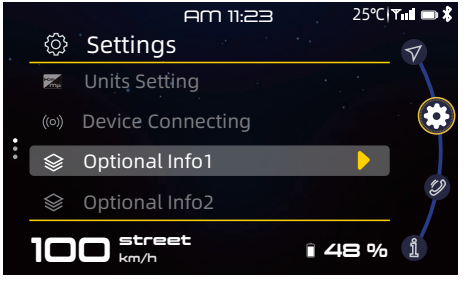
Optional Info One

Select an information to be displayed on the home page.

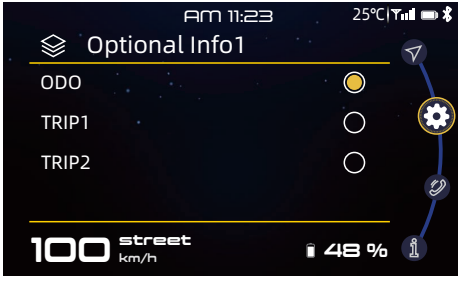
Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Equipment Setting.

Press △ or ▽ to switch to Optional Info One, and long press ▽ to enter it.



Press △ or ▽ to switch to the information to be displayed, and long press ▽ to confirm the selection.。



Optional Info Two

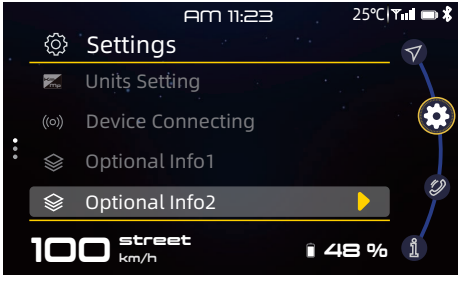
Select a message to be displayed on the main page.

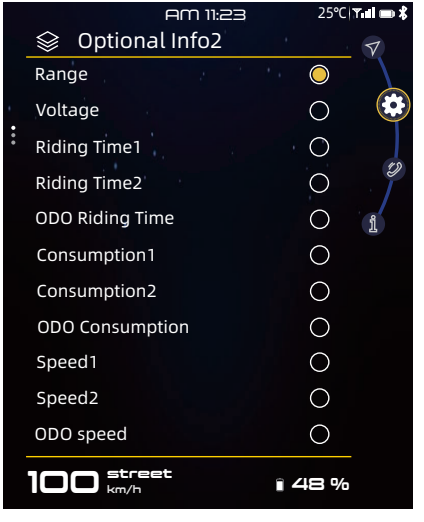
Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Equipment Setting.

Press △ or ▽ to switch to Optional Info Two, and long press ▽ to enter it.

Press △ or ▽ until you switch to the information to be displayed, and long press ▽ to confirm the selection.





Brightness Control

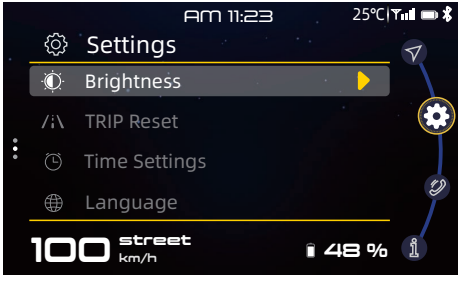
Manually adjust the brightness of the instrument.

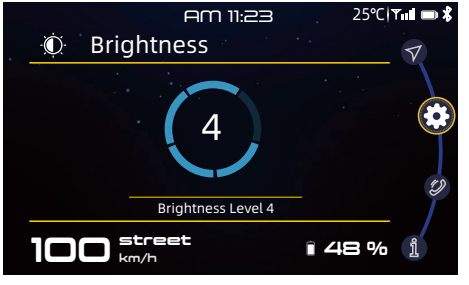
Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Equipment Settings.

Press △ or ▽ to switch to Brightness Adjustment, and long press ▽ to enter Brightness Adjustment.

Press △ or ▽ to switch brightness levels or turn on the automatic headlight.





TRIP Reset

Eliminate TRIP and related data.

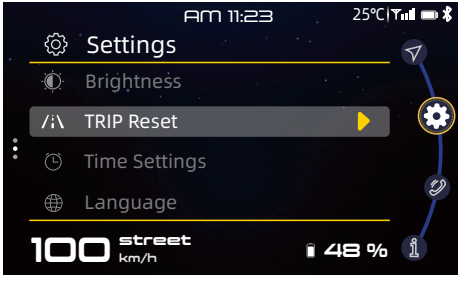
Long press ▽ on the left handlebar switch to enter the instrument menu.

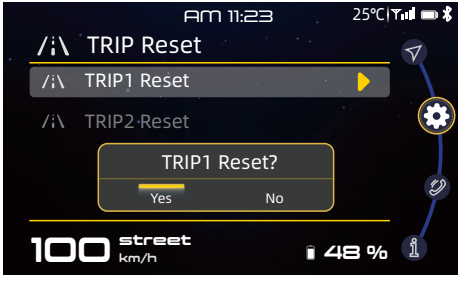
Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Settings.

Press △ or ▽ to switch to TRIP Reset, long press ▽ to enter it.

Press △ or ▽ to select the Trip to be eliminated, and long press ▽ to enter the second confirmation screen.

Press △ or △ to confirm the deletion, and long press △ to confirm your choice.





Time Settings

Adjust the time displayed on the main page.

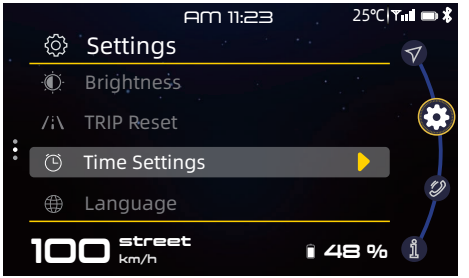
Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Setting.

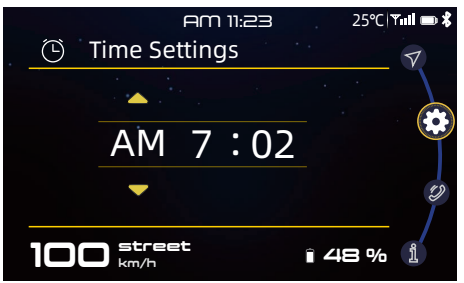
Press △ or ▽ switch to the Time Settings, and long press ▽ to enter the time settings.

Press △ or ▽ to switch between AM/PM, hour and minute, and long press ▽ for adjustment.

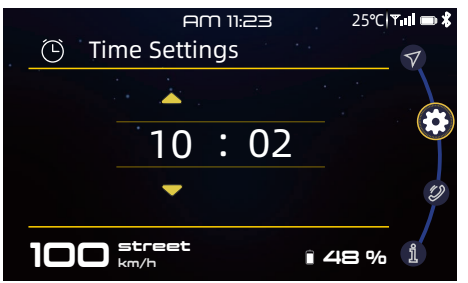
Press △ or △ to adjust and press △ back to the previous step to select other options.



Twelve Hour



Twenty-four Hour



Language

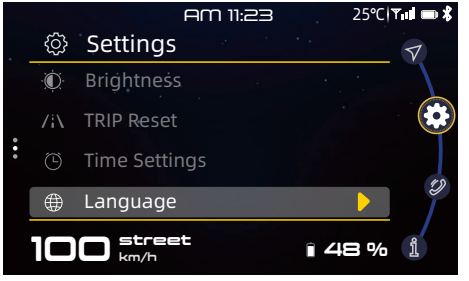
Adjust the instrument's language, switching between Chinese and English to suit your reading habits.

Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Settings.

Press △ or ▽ until you switch to Language, and long press ▽ to enter it.

Press △ or ▽ to switch to Chinese or English.



Reset All

Reset all instrument Settings.

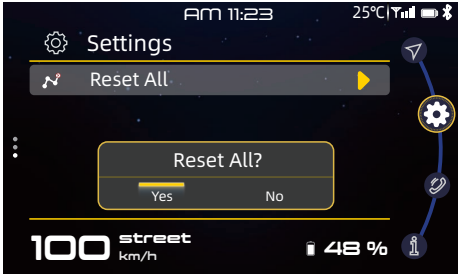
NOTE: This function does not reset ODO or related functions.

Long press ▽ on the left handlebar switch to enter the instrument menu.

Press △ or ▽ to switch to Settings, and long press ▽ to enter Instrument Settings.

Press △ or ▽ to switch to Reset All, and long press ▽ to enter the second confirmation page.

Press △ or △ to confirm the reset, and long press △ to confirm your choice.



Motorcycle Information

In the Motorcycle Information menu, users can inspect the following contents.

Real-time Voltage

Range

Miles Info

Faults

Service

Tire Pressure

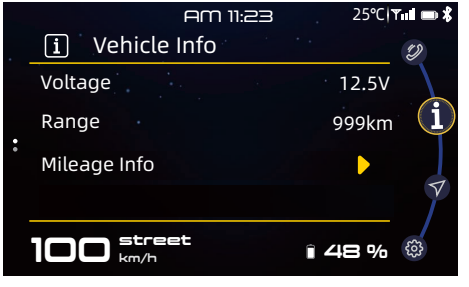
Version

Real-time Voltage、Range

Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or △ to switch to Motorcycle Information, and long press △ to enter it.

Real-time voltage and range can be directly inspected on Motorcycle Information menu page.



Miles Info

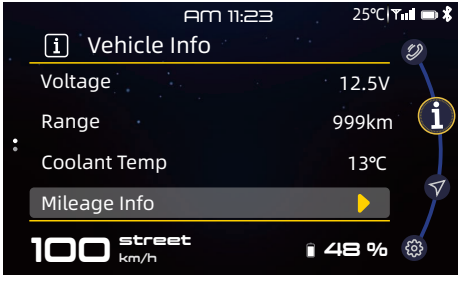
ODO and TRIP, speed, power consumption, riding time can be inspected here.

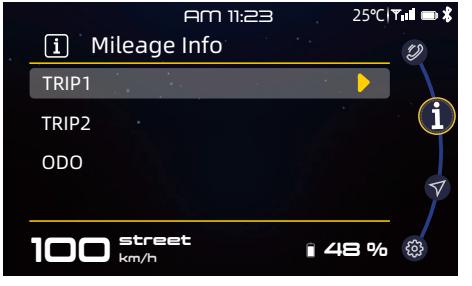
Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or △ to switch to Motorcycle Information, and long press △ to enter it.

Press △ or ▽ to switch to Miles Info, and long press ▽ to enter it.

Press △ or ▽ to switch to the information you want to inspect. Long press ▽ to enter it.





Faults

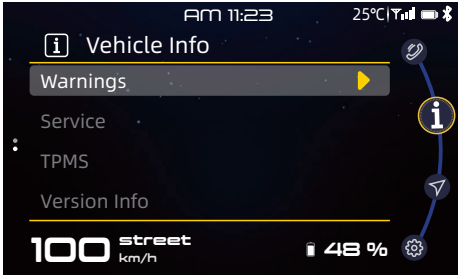
When the motorcycle detects a fault, a fault warning will pop up on its main page or menu page, and the fault warning will be collected in Faults after a few seconds.

In case of motorcycle faults, please stop riding as soon as possible, and contact the after-sales service center authorized by ZEEHO to clear faults.

Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or △ to switch to Motorcycle Information, and long press △ to enter it.

Press △ or ▽ to switch to Faults, and long press ▽ to enter it.



Service

Regularly visit the after-sales service center authorized by ZEEHO to carry out maintenance work, which can greatly improve the service life and riding experience of the motorcycle.

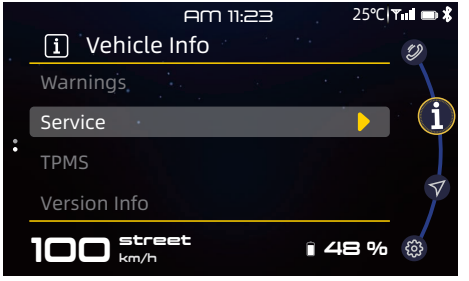
The motorcycle's instrument will give you a basic maintenance mileage. When the motorcycle reminds you of maintenance, please do the maintenance work as soon as possible.

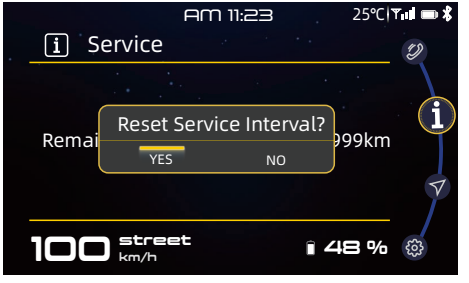
Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or △ to switch to Motorcycle Information, and long press △ to enter it.

Press △ or ▽ to switch to Service, long press ▽ to enter it.

To enter the second confirmation screen, press △ or △ to confirm the reset, and long press △ to confirm your choice.





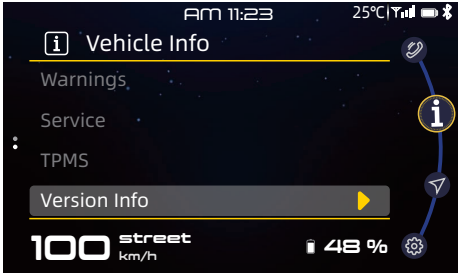
Version

Software and hardware versions of the instrument are displayed.

Long press ▽ on the left handlebar switch to enter the Instrument menu.

Press △ or △ to switch to Motorcycle Information, and long press △ to enter it.

Press △ or ▽ to switch to Version, and long press ▽ to enter it.



Cooling System

Radiator

Check the radiator fins for bending, out of shape, obstruction by insects or mud, and clean off any obstructions with water.

⚠WARNING
Using high-pressure water to wash the vehicle could damage the radiator fins and impair the radiator's effectiveness.
Installing unauthorized accessories in front of the radiator or behind the cooling fan may cause interference with the radiator air flow, and can lead to overheating and consequent motor damage.
If the radiator fins are damaged by more than 20% of their surface area by obstructions, and it is unable to be cleared, then replace with new radiator.
The coolant comes from the water pump behind the radiator. When the cooling system lacks coolant, the water pump may idle, which will seriously affect the service life of the water pump and damage it in a short time.

Radiator Hoses

Check the radiator hoses for leaks, cracks, deterioration, rust, corrosion and connections for leaks or looseness daily before riding the motorcycle. Check in accordance with the Periodic Maintenance Chart.

Coolant

Coolant absorbs excessive heat from the motor and transfers it to the air by the radiator. If the coolant level is low, the motor will overheat and may suffer severe damage. Check the coolant level daily before riding the motorcycle and perform maintenance in accordance with the periodic maintenance chart. Replenish coolant if the level is low.

To protect the cooling system from rust and corrosion, the use of corrosion and rust inhibitor chemicals in the coolant is essential. Purchase only commercially available coolant that contains corrosion and rust inhibitor chemicals, so there is no need to add separately.

⚠DANGER
Coolant is toxic and harmful for health.
Do not allow the coolant to touch skin, eyes or clothing.
If coolant is swallowed, see a doctor immediately.
If coolant contacts the skin, flush the contact position with plenty of water immediately.
If coolant contacts the eyes, flush the eyes with plenty of water and see a doctor immediately.
If coolant splashes on clothes, change the clothes.
Any corrosion or rust flushed from the motor and radiator should be disposed of following special instructions. The chemicals inside are harmful to the human body.

⚠CAUTION
Do not add tap water to the coolant system. It will cause deposit accumulation inside the cooling system.
Available bottled antifreeze on the market contains anti-corrosion and anti-rust properties. When it is diluted excessively, it loses its anti-corrosion and anti-rust performance. Keep the diluted concentration of antifreeze the same as the instructions from the manufacturer.
When filling the cooling system, ensure the coolant color is green and contains ethylene glycol. When the environment temperature is below 32˚F (0˚C), please ensure the coolant has a freezing point below 32˚F (0˚C).

Coolant Level Inspection

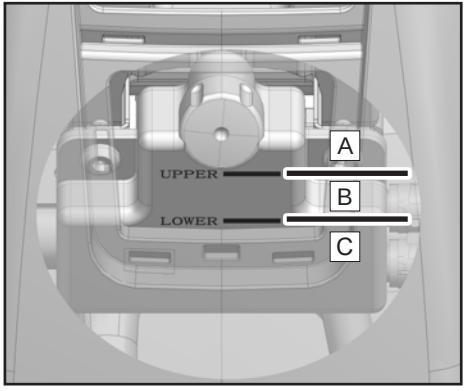
Reservoir tank locates inside seat front deco plate (see Coolant Filling Port section).

Inspect the coolant level in the reservoir.

If it is located at area ‘B’: The coolant at the proper level.

If the level is at area ‘A’: Drain out the redundant coolant until it arrives at area ‘B’.

If the level is at area ‘C’ or cannot see the level: Refill with the same coolant until the level is at area ‘B’.



⚠WARNING
When the vehicle is running, the coolant will have a very high temperature and stay in a state of compression. Before the motor or cooling system has cooled down, do not open the radiator, hoses, reservoir or other cooling system related parts. In the event of scalding, wash the affected area immediately with running water for more than 10 minutes and seek medical attention.

Coolant Filling

Open the reservoir cover and add coolant to area B.

⚠CAUTION
If coolant needs to be added frequently, or the reservoir tank is completely dry, there is probably a leak in the system. Have the cooling system inspected by an authorized ZEEHO dealer.

Contact your dealer for replacing coolant. Mixing different coolant may lead to engine damage.

Tire and Synchronous belt

This vehicle only uses tubeless tires, rims and inflating valves. Only use the recommended standard tires, rims and inflating valves. Do not install inner tube tires on tubeless rims. Do not install a inner tube inside a tubeless tire. If tires are not installed properly, it may cause tire air leakage.

Tire Specification

Tire specification	Front wheel	100/80-12	
	Rear wheel	120/70-12	
Tire pressure	Front wheel	190 kPa	
	Rear wheel	200 kPa(signal person)	210 kPa(two people)
Minimum tread depth	Front wheel	0.8 mm ~ 1 mm	
	Rear wheel	0.8 mm ~ 1 mm	

Improper tire pressure or exceeding the tire load limit may affect the vehicle handling and performance, causing a loss of control.

Make periodic inspections of the tire air pressure using a tire pressure gauge. Adjust tire pressure accordingly.

Excessive low tire pressure may cause tire improper wear or overheating.

Proper tire pressure offers the best comfort level and the longest service life.

NOTE:

Inspect the tire pressure when the tires are cold.

Tire pressure is affected by the change of environment temperature and altitude. If the environment temperature and altitude have a big change during the driving trip, tire pressure should be adjusted and inspected accordingly.

Most countries have their own regulation for minimum tread depth. Please follow local regulations. When installing new rims or tires, always inspect for wheel balance.

⚠CAUTION
In order to keep the handling safety and stability, please only use the tire and pressure recommended. If the tire is punctured and repaired or used within 24 hours after repairing, the vehicle speed should not exceed 50km/h, and cannot exceed 80 km/h at any other time. A punctured tire should be repaired as soon as possible. The front and rear tires should come from the same manufacturer, with the same tread pattern. New tires can be slippery and may cause a loss of control and injury if proper break-in is not performed. Please drive the vehicle at moderate speeds using different tilt angles to have the tires create friction with the ground over the entire surface area. Normal friction surface will be formed after a 160km break-in period. Avoid sudden braking, heavy acceleration, and high speed sharp turns during the break-in period.

Tire Wear

When tire tread wear exceeds the use limit, the tire becomes more susceptible to punctures and failure. An accepted estimate is that 90% of all tire failures occur during the last 10% of tread life, so it is unsafe to continue to use tires until they are bald. In accordance with the Periodic Maintenance Chart, measure the depth of the tread with a depth gauge, and replace any tire that has worn down to the minimum allowable tread depth.

Visually inspect the tire tread for cracks and cuts, and replace with a new tire if severely damaged. For example, if partial expansion appears on the tire, it means the tire is severely damaged.

Remove any embedded stones or other foreign particles form the tread.

⚠CAUTION
When the environment temperature is below 14°F (-10°C), it is recommended to place the vehicle indoors if required to store for a long time.
Do not use side stand to park vehicle for long time in winter. Use the middle stand (if equipped) or park stand bracket to park the vehicle, as the tires should not bear the vehicle weight.
Do not allow the tires to sink into snow or ice when parking the vehicle in winter.
When parking vehicle for long time outside in winter, use a ground covering under tires that will insulate and protect them.

Synchronous belt Inspection

Daily Inspection

Before daily driving, inspect the condition of synchronous belt, regularly check the tension of the synchronous belt and the parallelism of the pulley. Abide by the safety precautions specified in the regular maintenance to prevent excessive wear of synchronous belt.

Inspect synchronous belt if broken, cracked or worn on the side, if the side canvas is fluffy or flaky, if the teeth disappear, if the belt body is crushed, if foreign matters enter and other abnormalities of the synchronous belt.

Clean

Wash the synchronous belt with clean water every week to remove the dirt on the synchronous belt. The synchronous belt must be cleaned immediately after use in harsh environments.

Periodic Inspection of Synchronous Belt Tension

Too high tension of synchronous belt will lead to shear or fracture of the teeth. Many synchronous belts with high tension have clearly traces of tooth wear on the tooth surface. Tooth root cracking usually extends to its adjacent cracking through the core wire, and individual synchronous belt teeth will slowly fall off. Excessive pressure on the surface will cause wear in a large area of the synchronous belt, and finally expose the core wire. In order to prevent such wear, the appropriate tension value of belt must be set accurately.

Too low tension of synchronous belt will also lead to premature failure. Usually, the failure mode of synchronous belt caused by low tension is tooth skipping. The tooth skipping means that the teeth of synchronous belt climb out of its corresponding wheel groove, and its root will no longer bear the load. The transmission load further acts on the side of the synchronous belt to bend the teeth and then jump. The rolling of the teeth can cause the rubber to tear along the core line from the tooth root. With the diffusion of

the rubber tear, the teeth begin to separate from the synchronous belt in a strip.
When tooth part of synchronous belt climbs out of the pulley groove and is tensioned automatically, the synchronous belt is prone to tooth skipping before the rubber is torn and the tooth part falls off. The damage of synchronous belt core caused by tooth skipping often leads to the early failure of synchronous belt strength. The damage is similar to the fracture of folded core (neat fracture) and also similar to the fracture of impact load (serrated and angular). If the synchronous belt does not jump teeth and continues to run during self tensioning, excessive wear of the synchronous belt teeth often occurs in this case. This kind of tooth wear is called hook wear because the teeth do not match the pulley. Hook wear is caused by insufficient tension of synchronous belt and the change of center distance of unstable transmission system under the condition of low tension.

Periodic Inspection Pulley Parallelism

When the synchronous belt is running, the belt axle is at a certain angle, or the load applied to the synchronous belt is uneven, and there will be uneven extrusion between the belt teeth. The failure of the synchronous belt often starts from the crack of the tooth root or the side of the synchronous belt with the largest tension and extends to the whole width of the synchronous belt, resulting in the shear of the teeth of the synchronous belt. Due to the large fiber tension, the side of the synchronous belt with serious extrusion may also have obvious wear, and the synchronous belt may climb out or roll to the edge of the pulley.
When the synchronous belt runs on a pulley with non parallel retaining edges, if the synchronous belt is squeezed in two opposite retaining edges, it will cause serious wear on both sides of the synchronous belt. In this case, the synchronous belt will tear from the root crack or from both sides. This tear will eventually extend to the entire synchronous belt, resulting in shear of the teeth of the synchronous belt. There may be root cracks below the wear area. Synchronous belt strength or tooth surface fatigue will eventually lead to premature failure of synchronous belt.

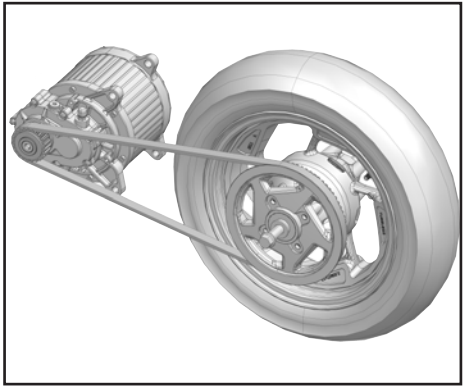
Pulley Parallelism

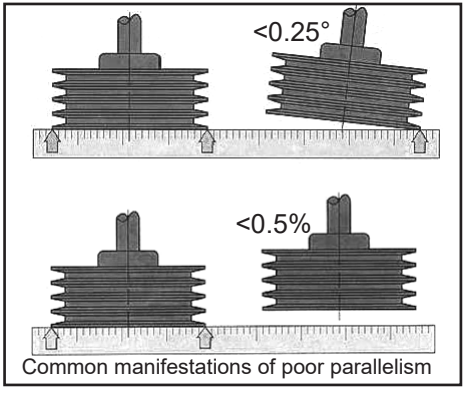
The parallelism difference of pulley is the most common failure mode of synchronous belt. It will wear the synchronous belt and degrade its performance. According to the severity, the synchronous belt may fail in a few hours or days. For the user, there are two simple ways to determine whether there is a deviation in the parallelism of the pulley.

Prepare a ruler that is long enough and does not bend. One end is close to the side of the driving wheel (motor side), and then check the gap between the ruler and the driven wheel (tire side). If there is a gap, it indicates that there is a problem with the parallelism of the pulley and needs to be adjusted.

If you don't have a long enough straight edge without bending, you can slowly and manually let the synchronous belt run in the pulley, and then look at the speed and direction of the deviation. After many manual drives, the synchronous belt will slowly deviate in one direction. Then stop and drive in the opposite direction. The synchronous belt will deviate in the opposite direction and its speed will be the same as before. If the synchronous belt still deviates in the original direction, it indicates that there is a problem with the parallelism of the pulley and needs to be adjusted.

The accurate measurement and adjustment of parallelism requires professional technicians. If there is a problem with the parallelism of the pulley, contact the authorized ZEEHO dealer for maintenance and adjustment.





Common manifestations of poor parallelism

Synchronous Belt Tension

Proper tension will prevent the synchronous belt from tooth skipping under overload operation. Too much or lack tension will reduce the service life of parts.

Synchronous belt tension: 95Hz±5Hz

Please use a professional sonic tension meter or pen tension meter to measure the tension of the synchronous belt, or contact authorized dealer by ZEEHO for regular inspection. Vehicles driven by synchronous belt are different from chain drive. If you do not have special equipment or have received professional training, it is forbidden to adjust the tension of synchronous belt. Improper tension or wrong adjustment method will lead to serious consequences.

Synchronous Belt Storage

If the vehicle is parked for more than 6 months, the synchronous belt should be removed and stored reasonably. The synchronous belt should be stored in a cool and dry environment without direct sunlight. The ideal storage condition is that the temperature is lower than 30°C. When the humidity is lower than 70%.

- Do not place the synchronous belt near the window to avoid direct sunlight and moisture erosion. It is forbidden to put the synchronous belt in the vent of equipment with heat source, radiation and heat source.
- It is forbidden to place the synchronous belt near the transformer and electric motor to prevent ozone pollution.

- Do not place the synchronous belt in an environment with chemical release.
- It is forbidden to put the synchronous belt directly on the floor unless it is protected by a special box.
- It is forbidden to bend the synchronous belt excessively during installation and storage.
- It is forbidden to bind the synchronous belt together, especially the bent head and tail of the synchronous belt.
- It is forbidden to hang the synchronous belt for storage, because it may produce a small bending radius.
- Incorrect storage will damage the rope of the synchronous belt and lead to the early failure of the synchronous belt.

Motor

⚠WARNING

When the vehicle is running, the gear oil is very hot and there is a risk of scalding. Ensure to wear appropriate protective clothing and safety gloves. If you are scalded, please wash with flowing water until there is no pain and seek medical treatment in time.

Motor Gear Oil Replacement

Place vehicle on level ground by side stand.

Stop vehicle power.

Place a container under motor drain bolt 2.

Remove drain bolt 2.

Drain gear oil.

Tighten drain bolt.

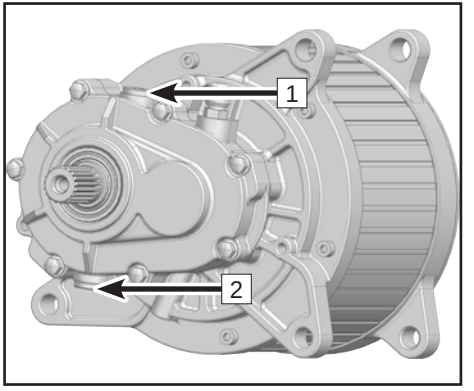
Remove oil filling hole plug 1.

Add 60ml of API GL-4 SAE 75W-90 gear oil.

Wipe off excess gear oil.

Tighten oil filling hole plug.

Inspect motor for leakage.



⚠CAUTION

The first gear oil replacement cycle is 3000km, and the subsequent replacement cycle is every 5000km

Brake System

In order to guarantee excellent performance of your vehicle and personal safety, please repair and maintain the vehicle according to the Periodic Maintenance Chart. Make sure all the parts of the brake system are in good state. If any damage occurs to the brake system, have your vehicle inspected by authorized dealer.

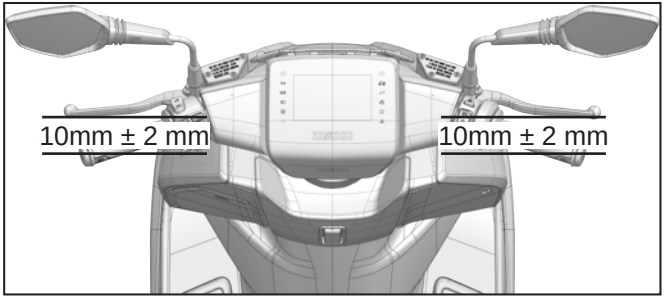
Brake Lever Inspection

Park with the side stand on level ground. Grip lightly the front brake lever and inspect its free play.

Free play: 10 mm ± 2 mm

Inspect the front brake lever for any cracks or abnormal noise.
Replace with new parts if problems are discovered.

⚠WARNING
If the brakes feel soft when applying the brake lever or brake pedal, there may be air in a brake fluid hose or lack of fluid. If the vehicle has this dangerous condition, do not drive the vehicle. Have the brake system checked immediately by an authorized ZEEHO dealer.



Brake Fluid Level Inspection

Park the vehicle with side stand.

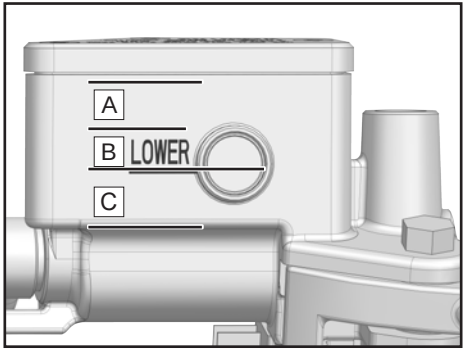
Inspect the front and rear brake reservoir fluid levels.

If the brake fluid level is located at area ‘B’: The fluid is in proper level.

If the brake fluid level is located at area ‘A’: Drain out the redundant fluid until it arrives at area ‘B’.

If the brake fluid level is located at area ‘C’ or cannot see the level: Refill with same brake fluid until the level arrives at area ‘B.’

⚠WARNING
If brake fluid level drops to area C frequently, the brake system is leaking, not sealed, or is damaged. Have the brake system checked immediately by an authorized ZEEHO dealer.



Brake Fluid Addition

⚠WARNING
Brake fluid causes skin irritation. Rinse the affected area with plenty of water in the event of contact with the skin. Keep brake fluid out of the reach of children. Keep brake fluid away from skin, eyes or clothing. Wear protective clothing and goggles when required. Consult a doctor immediately if brake fluid has been swallowed. Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes. If brake fluid spills onto your clothing, change the clothing.

⚠WARNING
Brake fluid used for long time without replacement will reduce braking efficiency. Please change the brake fluid according to the Periodical Maintenance Schedule. Only use the same type DOT4 brake fluid as marked on the fluid reservoir. The mixing of different brake fluid types may cause brake system damage or failure. Please contact your authorized ZEEHO dealer for brake fluid maintenance.

⚠NOTE
When the brake fluid level goes down, it causes negative pressure inside the fluid reservoir, which may lead to reservoir gasket sag. Remove the reservoir cap to release the pressure. Adjust the reservoir gasket and then install the gasket and cap.

Brake Fluid Reservoir

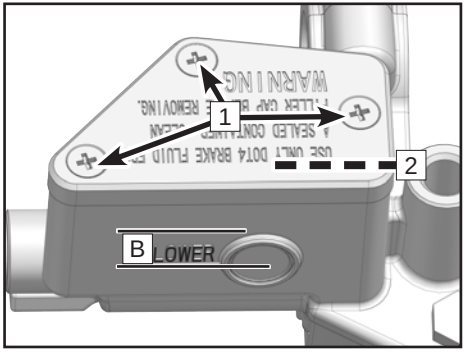
Remove bolts 1.

Remove cover and reservoir gasket 2.

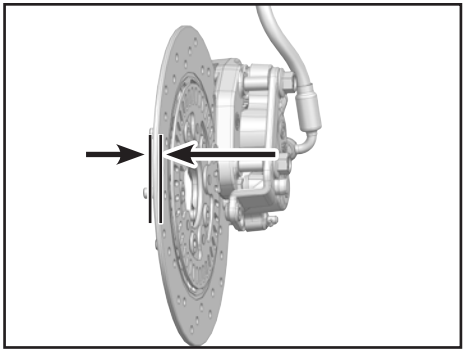
Refill brake fluid to area ‘B’.

Reinstall cover and reservoir gasket.

Install bolts .



Brake Disc Inspection

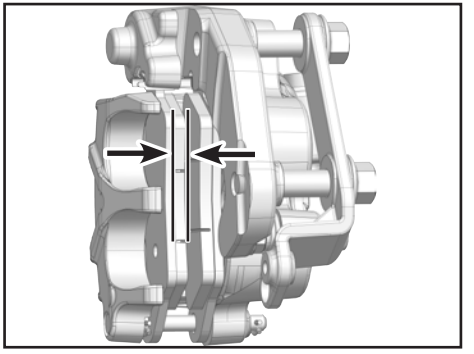


Inspect brake discs periodically for any damage, out of shape, cracks or wear. Damaged brake discs may cause braking failure. Worn-out brake discs reduce the braking distance. If brake discs are damaged or exceed the wear limit, contact an authorized dealer to replace with new brake discs immediately.

Inspect the thickness in several positions for front and rear brake discs.

Brake discs service limit: **3 mm**

Brake Caliper Inspection



Inspect the brake calipers before riding. Inspect the brake pads for minimum thickness periodically. If the brake pad is too thin, it will cause the steel plate to rub the brake discs, which will severely reduce brake effect and damage the brake system.

Inspect the minimum thickness of brake pads on all brake calipers.

Brake pad service limit: **1 mm**

If the brake pad thickness is less than the minimum limit, or the brake pad plate is damaged, please contact an authorized dealer immediately to repair the brake system.

ABS(Available in Select Markets)

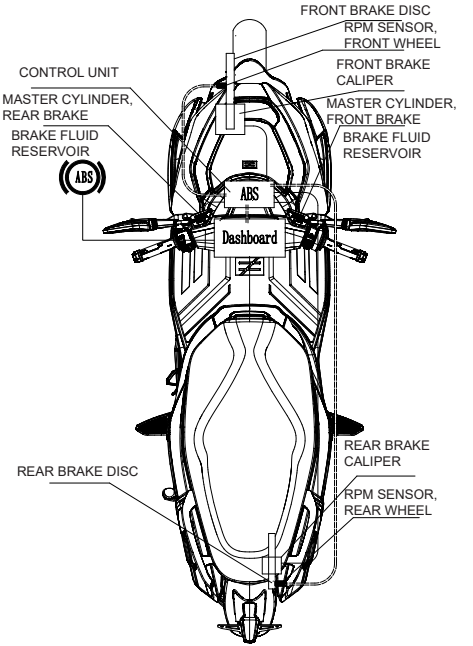
ABS is a set of safety systems that can prevent the wheels from being locked when there is no lateral traction in a straight-line or curve riding.

With the help of ABS, in full braking and on the low-adhesion roads that are sandy, watery or smooth, all braking forces can be used and the dangerous situation of locked wheel will not happen.

⚠DANGER
Riding assistance can only prevent motorcycle from rollovers within the physical limits. In extreme riding conditions, such as high baggage loading center of gravity, changeable road conditions and steep slopes, motorcycle rollovers may occur.

ABS works with two independent brake circuits (front and rear brakes). If the brake electronics controller detects that a wheel tends to be locked, the ABS starts working by adjusting the brake pressure. This adjustment can be felt by the slight bounce of the front and rear brake handles.

The ABS indicator light must be on after the ignition switch is turned on and be off after the start (> 5km/h). If the ABS indicator light isn't be turned off after starting or lights up during driving, it indicates that there is a fault in the ABS. At this point, the ABS can no longer be activated, and the wheels may be locked during braking. The braking system itself is still working, and only the ABS adjustment system itself is failing.



Shock Absorber

Shock Absorber Inspection

Holding the handle bar and front brake, compress the front fork for several times to inspect for smooth function. Visually inspect the front shock absorbers for oil leaks, scratches or friction noise.

After riding, check the front shocks for any mud, dirt or debris. Clean these surfaces periodically. Failure to maintain them could lead to oil seal damage and shock oil leak.

Press down on the seat with your weight several times to check if the rear shock absorber works smoothly.

Visually inspect the rear shock absorber for an oil leak.

If you have any doubt about the front or rear shock absorber performance, please contact an authorized ZEEHO dealer for immediate inspection.

Rear shock absorber adjustment

The shock absorber has been adjusted to the best position at the factory, which is suitable for most situations. Do not adjust by yourself.

Electrical System and Light Signal

Battery

The battery in this vehicle is a maintenance-free battery. Therefore, it is unnecessary to inspect the amount of battery electrolyte or add distilled water. To ensure optimum service life of the battery, keep the battery charged properly to ensure the battery has reserve capacity available at the starter motor. When the motorcycle is used frequently, battery is charged by the motorcycle charging system. If the motorcycle is only used occasionally, or used for a short time during each ride, the battery can remain discharged. Batteries can also self-discharge from infrequent use. The rate of discharge varies with battery type and ambient temperature. When environment temperature rises for example, the rate of discharge could increase by a factor of 1 for every 15°C temperature rise.

In cold weather, if battery is not charged properly it can easily cause freeze the electrolyte, which may lead to battery cracking and warp electrode plates out of shape. Proper, full charging of the battery improves freeze-proof capability.

Battery Maintenance

Always keep the battery fully charged, or may it damage the battery and result in a shorter life.

If the vehicle is driven infrequently, inspect the battery voltage weekly with a voltmeter. If it drops below 12.8 volts, the battery should be charged with an appropriate charger (check with your dealer). If you will not use the vehicle for longer than 2 weeks, the battery should be tended with an appropriate trickle charger. Do not use an automotive type quick-charger that may overheat the battery and damage it.

Battery Charger

Contact your dealer for battery charger specifications.

Battery Charging

Remove the battery from the vehicle before charging.

Connect the positive and negative wires from the charger and charge the battery at a rate 1/10 Amp of the battery capacity. Ensure that the battery is fully charged before installation.

⚠WARNING
Do not install a conventional wet-cell battery in this motorcycle. The electrical system will not work properly and damage will result. When removing the battery, remove the negative terminal first, then the positive terminal. When installing, the connecting order is opposite of battery removal.

NOTE:

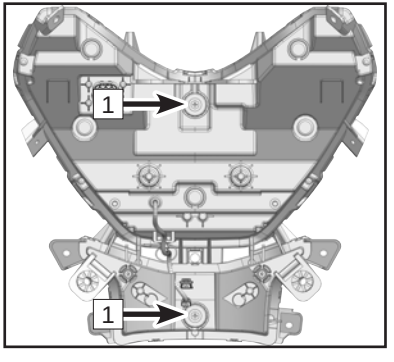
When charging a maintenance-free battery, always follow the instructions shown on the label.

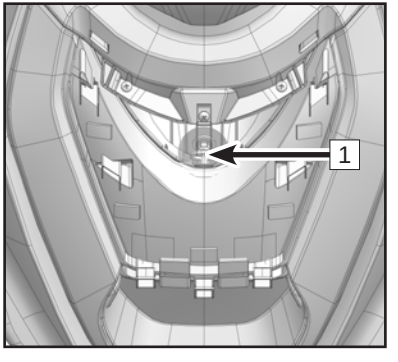
Light

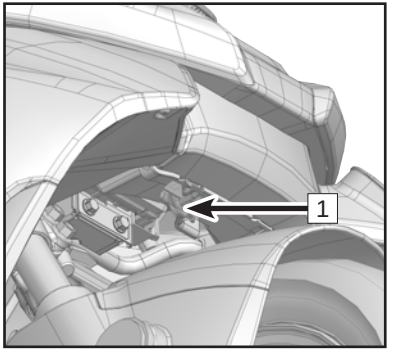
High beam and low beam light is adjustable. Rotate the light adjusting knob [1] to adjust light.

⚠CAUTION
Adjustment of high / low beams should be accordance with local regulations. The light ray standard is based on that front and rear wheels touch down the ground and driver sits on the vehicle.

All the lights are LED structure, which cannot be repaired if damaged or failed. Have your dealer replace the entire assembly if an LED is damaged or has failed.



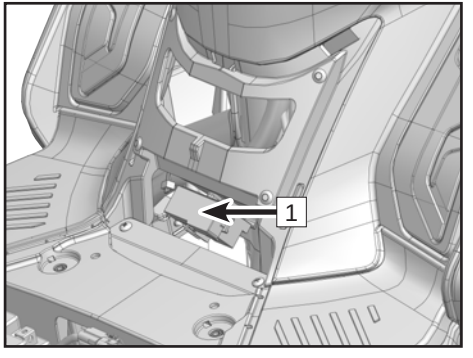




Fuse

Fuse box 1 is located under the seat, it is visible after removing the seat and the dust cover. If a fuse is blown, inspect the electrical system for damage and replace with the same new fuse.

⚠WARNING
Do not use any substitute for the standard fuse. Replace a blown fuse with a new one of the same ampere. Ampere value is shown on fuse.



Daily Safety Inspection

Checking the following items before daily riding will help keep your vehicle in safe and reliable condition. If anything appears unusual, please refer to the Maintenance and Adjustment section or contact your dealer. Do not operate the vehicle in an abnormal condition, as it may lead to serious damage or accidents.

Item	Content
Coolant	Inspect the coolant level for correct level in the coolant reservoir.
Front wheel	Inspect the front wheel and tire for excessive wear, cracks or cuts, embedded items or other damage. Inspect front tire pressure is in the standard range.
Front brake	Inspect the thickness of front brake pad. Inspect the thickness of front brake disc and check for any dirt or damage.
Motor cable	Inspect motor cable for looseness or damage.
Rear wheel	Inspect the rear wheel and tire for excessive wear, cracks or cuts, embedded items or other damage. Inspect the rear tire pressure is in the standard range.
Rear brake	Inspect the thickness of rear brake pad. Inspect the thickness of rear brake disc and check for any dirt or damage.
Synchronous belt	Inspect synchronous belt for wear, abnormal tension or any foreign matter stuck in the synchronous belt or pulley.
Luggage	Inspect the luggage is fastened securely, make sure the luggage height is within the requirement of local regulation.
Brake fluid reservoir	Inspect the front brake fluid reservoir is at the correct level.
Dashboard	Check the fault indicator.

Rear view mirrors	Check rear view mirrors for appropriate view angle.
Light	Check if all the lights work well, and if the beam height for front lights meets the local regulations.
Operating parts	Inspect the handlebar, steering, front and rear brake, throttle and switches for smooth operation.
Side stand \ center supporter	Check if any looseness or damage for the return spring of side stand \ center supporter.
Stop switch	Check that the stop switch works correctly.

⚠DANGER
Inspect the vehicle every time before riding the vehicle.
The operator must have the related driver's license to ride the vehicle.
Learn the local regulations, and do not ride in the areas where motorcycles are not allowed.

Start

Sit on the vehicle with side stand up.

Use NFC card/APP to start power and enter P gear.

Turn the stop switch to position "⏻" to enter Ready condition.

⚠CAUTION
Do not start the vehicle with the start/stop switch until the self-test of dashboard is completed.
The vehicle is equipped with a side stand switch. The vehicle can be started only when the side stand is lifted.

Starting Off

Use the mode switch to select the appropriate mode and carefully rotate hand grip.

NOTE: if hand grip has a rotation angle after entering the Ready state, it will not be able to drive the vehicle. The hand grip angle must be reset to zero before driving.

Shifting, Riding

The gear of electric motorcycle is only used to distinguish different operation modes and match different maximum speed and torque.

The mode switch on handlebar can switch between Eco mode, street mode and sports mode.

⚠WARNING
When the vehicle is in ready state, the driver leaving the seat will cause alarm sound effect and hazard warning lights start, and the electronic hand grip will fail
Avoid any abrupt load alterations or strong brake operation, which can cause an out of control vehicle.
Adjust the speed according to road conditions and situation around you.
All adjustments for vehicle operation should be made when vehicle is at a standstill.
The passenger must be seated properly on the passenger seat with feet on the rear foot pegs, wearing a helmet and other safety protection, and holding onto the operator or grab handle.
Comply with the local traffic regulations for minimum passenger age.
Comply with all local traffic regulations. Ride defensively and foresightedly to detect sources of danger early on.
When the tires are cold, their road grip performance is reduced. Use caution and drive with average speed for several kilometers until the tires arrive at their available temperature.
Do not exceed the permitted full payload. Full payload includes the vehicle, driver, passenger and luggage.

⚠WARNING
Luggage sliding will effect the handling performance, inspect that it is fixed tightly on the vehicle, and that the width does not exceed 0.15m from the handle bar for both left and right sides. In the event of an accident, the damage from crashing could be more serious than it looks. Inspect the vehicle completely to make sure it is safe.

Brake

Release the throttle hand grip when applying the brake, and use front and rear wheel brake for braking at the same time.

Finish braking before turning, and shift to a lower gear according to the speed required.

In the process of long-distance downhill driving, reasonably use the rear wheel braking force and keep driving at a constant speed as far as possible. Avoid using the brake for a long time to prevent the brake pad from overheating and reducing the braking force

⚠WARNING
Moisture and dirt impair the brake system. Brake carefully several times to dry out moisture and remove dirt from the brake pads and discs.
If the hand brake lever and foot brake lever feel soft, stop riding until the brake system is fully inspected and the fault eliminated.
Long-time pressing of the foot brake will cause brake lining overheating and excessive friction, which will affect service life and safety.
When carrying a passenger or luggage, the required braking distance will increase. Please adjust the brake time according to vehicle load.
When the ABS is enabled, you can achieve maximum braking power even on low grip surfaces such as sandy, wet or slippery terrain without locking of the wheels.

Parking

Stop the vehicle with brake.
Turn off the ignition switch.
Park the vehicle on firm, level ground.
Use side stand or center supporter (if equipped) to support vehicle.
Shift to P gear.
Use NFC card/APP to power off.

⚠WARNING
When motor is running, do not leave the vehicle unattended. Secure the vehicle against use by unauthorized persons. Lock the steering when leaving the vehicle unattended. After running the vehicle, the temperature will be very high for some parts. Do not touch any parts such as the cooling system and brake system before the vehicle parts have cooled down. Using incorrect procedures when parking may cause vehicle to roll away and fall over, which will lead to significant damage. The center supporter (if equipped) is only intended to support the vehicle and luggage. When using center supporter to park the vehicle, do not sit on it. Doing so could damage the center supporter, or damage the frame, and the vehicle may fall over.

After entering P gear and leaving the vehicle directly, the automatic power-off locking function will be triggered. The vehicle will automatically power-off and lock after 30 seconds. During this period, if the Bluetooth or APP signal is received, the time will be reset. The automatic power-off locking time can be adjusted through APP.

The vehicle mode used before will automatically switch on the next start.

Vehicle Anti-theft

1. Movement Anti-theft

When the vehicle is locked and powered off, if it detects that the current offset distance exceeds 100m or the front wheel speed is greater than 5km/h, anti-theft alarm works and hazard warning lights is illuminated with double flashes for 20 cycles. When the vehicle moves for more than 2 minutes, the anti-theft alarm and hazard warning lights will continue to operate until the user releases the movement anti-theft status through the APP.

2. Vibration Anti-theft

When the vehicle is locked and powered off, if violent vibration is detected, anti-theft alarm works and hazard warning lights is illuminated with double flashes for 20 cycles. User can release the vibration anti-theft status through the APP.

3. Roll-over Anti-theft

When the vehicle is locked and powered off, if vehicle roll-over is detected, anti-theft alarm works and hazard warning lights is illuminated with double flashes for 20 cycles. User can release the roll-over anti-theft status through the APP or lift up the vehicle.

4. Automatic Handlebar Lock

When the vehicle is locked and powered off, turn the handlebar 45° left, the handlebar lock will automatically fall and lock the handlebar. When unlocking the vehicle, the handlebar lock will unlock automatically.

Safety Operation

Safe Riding Technique

The following cautions are applicable for daily motorcycle use and should be carefully observed for safe and effective vehicle operation:

- For safety, eye protection and a helmet are strongly recommended. You must be aware of safety regulations prior to riding the motorcycle. Gloves and suitable footwear should also be used for added protection.
- Wear protective apparel when riding in case of any collision. Protective apparel cannot protect the body safely if it is not worn.
- Before changing lanes, look over your shoulder to make sure the way is safe. Do not rely solely on the rear view mirrors. You may misjudge a vehicle's distance and speed, which can easily cause an accident.
- When going up steep slopes, shift to a lower gear so there's plenty of power and engine torque rather than overloading the engine.
- When applying the brakes, apply both the front and rear brakes at the same time. Applying only one brake for sudden braking may cause the motorcycle to skid and lose control.
- When going down long downhill slopes, control vehicle speed by releasing the throttle. Use the front and rear brakes for auxiliary braking.
- In wet conditions, rely more on the throttle to control vehicle speed and less on the front and rear brakes. The throttle should also be used judiciously to avoid skidding the rear wheel during rapid acceleration or deceleration.

Additional Cautions for High Speed Operation

Brakes: Braking is very important, especially during high speed operation. It cannot be over-forced. Check and replace pads more often to get better performance.

Handling: Looseness in the handling parts may cause loss of control. Check to see whether the handlebar turns freely but has no shaking, and that the wheels turn without shaking or looseness.

Tires: High speed operation requires that tires be in good condition. Good condition tires are crucial for riding safety. Inspect their overall condition, inflate them to the proper pressure, and check the wheel balance.

Power battery: Ensure sufficient power when driving at high speed.

Coolant: To avoid overheating, check and make sure that the coolant level is between the level lines.

Electrical Equipment: Make sure that the headlights, tail/brake light, turn signals, horn and etc. work properly.

Fasteners: Make sure that all nuts and bolts are tight and that all safety-related parts are in good condition.

⚠NOTE
The endurance mileage of electric motorcycles at high speed is low. Please plan the mileage reasonably.

Maintenance Schedule

This chapter lists the maintenance schedule. In order to drive the vehicle in good condition, you must abide by the provisions of the maintenance schedule and do a good job of regular maintenance and adjustment. The break-in maintenance is also extremely important and cannot be neglected.

Periodic service and adjustments are critical. If you are not familiar with performing safe service and adjustment procedures, have a qualified dealer perform the required maintenance for you.

NOTE

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

Break-in Maintenance Schedule

	Item	Hour	Calendar	km	Remarks
Electrical system					
■	Functions of electrical parts	-	-	1000	Inspect
	Battery	-	-	1000	
	Fuses or circuit breakers	-	-	1000	
Brake system					
	Brake discs	-	-	1000	Inspect
	Brake pads	-	-	1000	
	Brake fluid level	-	-	1000	
■	Brake hoses	-	-	1000	Inspect for damage and sealing

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

	Item	Hour	Calendar	km	Remarks
Wheels					
	Tire condition	-	-	1000	Inspect
	Tire pressure	-	-	1000	
Suspension system					
■	Rear shock absorber and front forks	-	-	1000	Inspect for leaking (maintain front forks and rear shock absorber according to the requirement)
Cooling system					
	Coolant level	-	-	1000	Inspect
■	Coolant	-	-	1000	
	Coolant hoses	-	-	1000	
Steering system					
■	Steering bearings	-	-	1000	Inspect

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Item		Hour	Calendar	km	Remarks
Other parts					
■	Fault memory	-	-	1000	Read with PDA
■	Moving parts	-	-	1000	Lubricate. inspect for flexibility
■	Bolts and nuts	-	-	1000	Inspect for fastness

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Periodic Maintenance Schedule

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Hour	Calendar	km	Remarks
Electrical system					
■	Functions of electrical parts	-	12M	10000	Inspect
	Battery	-	6M	5000	
	Fuses or circuit breakers	-	6M	5000	
■	Wires	-	12M	10000	Inspect for damage, bending and routing
Wheels					
	Tire condition	-	12M	10000	Inspect
		-	24M	20000	
	Tire pressure	-	12M	10000	
		-	24M	20000	
■	Wheel bearings	-	-	10000	
		-	-	30000	

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Hour	Calendar	km	Remarks
Brake system					
	Front and rear brake system	-	12M	10000	Inspect
		-	24M	20000	
	Brake discs	-	12M	10000	
		-	24M	20000	
▲	Brake pads	-	12M	10000	
		-	24M	20000	
	Brake fluid level	-	12M	10000	
		-	-	20000	
■	Brake hoses	-	24M	20000	Inspect for damage and sealing
		-	12M	10000	
■	Brake fluid		24M	-	Replace
Motor					
■	Motor gear oil	-	-	3000	Replace first time
		-	-	5000	Replace periodically

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Hour	Calendar	km	Remarks
Suspension system					
■	Suspension system	-	-	5000	Inspect
		-	-	10000	
		-	-	15000	
■	Rear shock absorber and front forks	-	12M	10000	Inspect for leaking (maintain according to requirement)
		-	24M	20000	
Frame system					
	Frame	-	-	30000	Inspect
Steering system					
■	Steering bearings	-	12M	10000	Inspect
		-	24M	20000	

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Hour	Calendar	km	Remarks
Cooling system					
	Coolant level	-	12M	10000	Inspect
		-	24M	20000	
■	Coolant	-	12M	10000	
		-	24M	20000	Replace
■	Coolant hoses	-	12M	10000	Inspect
		-	48M	30000	
Synchronous belt					
▲	Synchronous belt	-	12M	10000	Inspect
		-	24M	20000	Replace

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Hour	Calendar	km	Remarks
Other parts					
■	Diagnostic connector	-	12M	10000	Read with PDA
		-	24M	20000	
■	Moving parts	-	12M	10000	Lubricate. inspect for flexibility
		-	48M	30000	
■	Bolts and nuts	-	12M	10000	Inspect for fastness
		-	48M	30000	
■	Pipes, ducts, hoses and sleeves	-	12M	10000	Inspect for cracks, sealing and routing
		-	48M	30000	

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.

General Troubles and Causes

Problem	Components	Possible cause	Solution
Motor fails o start	Start system	Low voltage	Charge or replace
		ECU failure: Poor contact or burning	Inspect or replace
		Wiring failure: poor contact	Inspect or adjust
Insufficient power	Motor	Motor overheat	Cool down
	Cooling system	Cooling system leaking	Inspect or replace
		Water pump failure	Inspect or replace
Headlights and tail lights do not work	Cable	Poor connections	Adjust
	Left and right switches	Switch poor contact or damage	Adjust or replace
	Headlight	Bulb and lamp holder failure or damage	Adjust or replace
Horn not work	Battery	No electricity	Charge or replace
	Left switch	Horn button fault or damage	Adjust or replace
	Cable	Poor connection	Adjust or repair
	Horn	Horn damage	Adjust or replace

The items listed are the common faults of a motorcycle. If your motorcycle has failed, please contact a ZEEHO authorized dealer to check and repair the vehicle.

⚠DANGER
Do not try to fix faults without professional help, otherwise it could cause an accident. You become responsible for accidents related to any repairs or maintenance not performed by a ZEEHO dealer.

Motorcycle cleaning and storage

General Precautions

Keeping your motorcycle clean and in best performance will extend the vehicle service life. Covering your motorcycle with a high quality, breathable motorcycle cover will help to protect the vehicle during storage.

- Always clean the motorcycle after motor and motor controller have cooled.
- Avoid applying harsh detergents to seals, brake pads, and tires.
- Wash the vehicle by hand. Do not use high-pressure spray.
- Avoid all harsh chemicals, solvents, detergents, and household cleaning products like ammonium hydroxide.
- Gasoline, brake fluid, and coolant will damage painted plastic surfaces. Wash them off immediately if splashed on any painted plastics.
- Avoid metal brushes, steel wool, and all other abrasive pads or brushes to clean the vehicle.
- Use caution when washing the windshield, headlight cover, and other plastic parts as they can be easily scratched.
- Avoid high water pressure, as it may penetrate seals and electrical components, resulting in vehicle damage.
- Avoid spraying water into areas such as power battery electronic parts and charging port.

Washing Vehicle

- Rinse with cold water to remove any loose dirt.
- Mix a mild detergent specific for motorcycles or automobiles with water in bucket. Use a soft cloth or sponge to wash your motorcycle. If necessary, use a mild degreaser to remove any oil or grease build-up. Start at the top of the motorcycle and wash bottom parts last.
- After washing, rinse your motorcycle with clean water to remove any residue (residue from the detergent can damage the components of your motorcycle).
- Dry off your motorcycle with a soft cloth to avoid scratches.
- Carefully ride the motorcycle at a low speed and apply the brake several times. This will help to dry the brakes and restores their normal operating performance.

NOTE:

When riding in areas where the roads are salted or near the ocean, clean the motorcycle after your ride with cold water immediately. Do not use warm water to wash your vehicle as it accelerates the chemical reaction of the salt. After drying the vehicle, applying an anti-corrosion spray to all metal or chrome surfaces will help prevent corrosion. In the case of riding during a rainy day or just washing the motorcycle, condensation may form on the inside of the headlight lens. If this happens, start the engine and turn on the headlight to remove the moisture.

Protect the Surface

After washing your motorcycle, coat the painted surfaces, both metal and plastic, with a commercially available motorcycle/automobile wax. Wax should be applied every three months or as conditions require. Always use non-abrasive products and apply them according to the instructions.

Windshield and Other Plastic

After washing, use a soft cloth to gently dry off plastic parts. When the vehicle is dry, treat the windshield, headlight lens, and other unpainted plastic parts with an approved plastic cleaner or polish.

⚠CAUTION
Plastic parts may deteriorate and break if they come in contact with chemical substances or household cleaning products such as gasoline, brake fluid, window cleaners, thread fastener glue, or other harsh chemicals. If a plastic part comes in contact with any harsh chemical substance, wash it off with water, and then inspect for damage. Avoid using abrasive pads or brushes to clean plastic parts, as they will damage the plastic surface.

Chrome and Aluminum

Chromium alloy and uncoated aluminum parts exposed to the air can oxidize, become dull and lackluster. These parts should be cleaned with a detergent and polished with a spray polish. Painted and unpainted aluminum wheels should be cleaned with special detergent.

Leather, Vinyl, and Rubber Products

If your motorcycle has leather accessories, use a special leather cleaner/treatment to clean. Washing leather parts with detergent and water will damage them, shortening their life. Vinyl parts should be cleaned separately. Tires and other rubber components should be treated with a rubber protective agent to preserve their life.

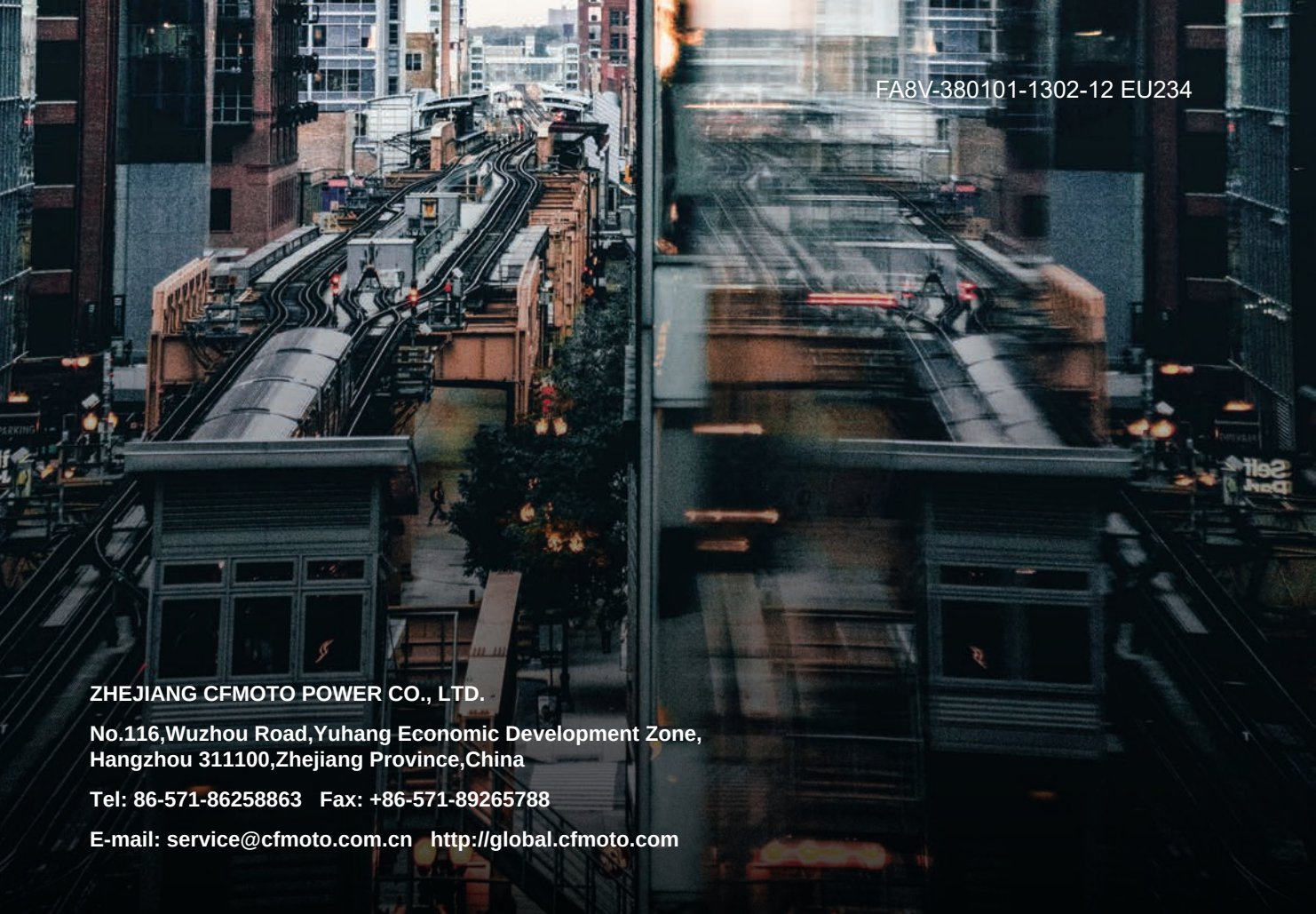
⚠DANGER
Special care must be taken when treating tires, that rubber protective agent applied will not affect the tire tread function. If not applied correctly, it may decrease the traction between the tire and ground, possibly causing a loss of control.

Vehicle Storage

If you plan not to ride or store the vehicle for a long time (more than 30 days), it is recommended to supplement battery to more than 60% and disconnect the charger.

During the storage period, the self discharge speed of the vehicle will be very slow, but the battery still needs to be checked once a month. If less than 30%, please recharge it to more than 60%.

In order to prolong the service life of vehicle battery pack, please store the vehicle in a cool place. Storage in hot areas can shorten the life of the battery pack.



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