

Arctic Leopard



ARCTIC LEOPARD



E.AT

E.XT



OPERATING INSTRUCTIONS

Please read the instructions carefully before using the product.

The instruction contains important safety information. Keep the instruction in a secure location. The driver must have a valid driver's license. Do not use this motorcycle until you are fully familiar with its features.



Dear customers,

Thank you for purchasing this product, manufactured by Zhejiang Arctic Leopard Electric Technology Co., Ltd. We hope you enjoy using it. Ride safely!

Please read the operating instructions carefully before riding the motorcycle. It contains not only troubleshooting and maintenance instructions but also recommendations for preventing road accidents and protecting against injuries.

This operating manual also includes the latest information about the product. There may be minor differences between your motorcycle and the motorcycle described in this manual due to the continuous improvement of the product. In such cases, it is advisable to refer to the actual product.

Zhejiang Arctic Leopard Electric Technology Co., Ltd. reserves the right to make changes to this operating manual at any time without prior notice. We are not liable for such changes.

If you have any questions regarding this operating manual, please contact the authorized dealer from whom you purchased it. iv
motorcycle.

Any reproduction of this instruction without the written consent of Zhejiang Arctic Leopard Electric Technology Co., Ltd. is prohibited. Illegal modification of the vehicle is forbidden.

This operating manual for the user applies to the following motorcycle models: Standard Version E · AT 560 Climb/Technical Version E · AT 620 Climb/Top Configuration Version E · AT 680 Climb/Standard Version E · XT 560 Off-road/Technical Version E · XT 620 Off-road/Luxury Version E · XT 680 Off-road/Top Configuration Version E · XT 800 Off-road.

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Section 1. Safety while driving 1

- 1.1 Safety rules.1
- 1.2 Protective equipment.1
- 1.3 Precautions for safe driving.1
- 1.4 Recommended actions in emergencies.2 1.5 Battery.2
- 1.6 Braking system.2
- 1.7 Accessories and modifications.3
- 1.8 Maximum load.3

Section 2. Important information 4

- 2.1 Warning signs.4
- 2.2 Vehicle Information.5
- 2.3 Model and Technical Parameters of the Motorcycle.....6 2.4 User Manual and Overview Before the Ride..9

Section 3. Installation of components 10

- 3.1 Installation of the Front Fender.10
- 3.2 Installing the front wheel.10

- 3.3 Installing the rear fender.11

- 3.4 Steering Regulation.14

Section 4. Familiarization 15

- 4.1 Main Parts.15
- 4.2 Right Handlebar.17
- 4.3 Protective Device.18
- 4.4 Smart Key.18
- 4.5 Battery Charging.19
- 4.6 Charger Device.21
- 4.7 Right Front Shock Absorber Rebound Adjustment.22
- 4.8 Left Front Shock Absorber Rebound Adjustment.22
- 4.9 Rear Shock Absorber Rebound Adjustment.23
- 4.10 Compression Damping Regulation of the Rear Shock Absorber.23
- 4.11 Pre-Load.24

Section 5. Functions 25

- 5.1 Driving Modes.25
- 5.2 Anti-theft alarm.25

Chapter 6. Driving Instructions 26

- 6.1 Pre-trip review.26
- 6.2 Starting the motorcycle.26
- 6.3 Braking.27
- 6.4 Parking.28

Chapter 7. Maintenance 29

- 7.1 Importance of maintenance.....29 7.2 Part replacement.30
- 7.3 Motor and controller.30
- 7.4 Tire inspection.30
- 7.5 Brake fluid inspection.32
- 7.6 Brake pad inspection and brake disc inspection.33
- 7.7 Side stand.34
- 7.8 Throttle grip.35
- 7.9 Transmission oil replacement.36
- 7.10 Front shock absorber inspection and maintenance.37
- 7.11 Rear shock absorber inspection and maintenance.37
- 7.12 Chain Inspection and Adjustment.38
- 7.13 Inspection and Maintenance of the Steering Column.39

Chapter 8. Troubleshooting 40

Chapter 9. Other Information 42

- 9.1 Maintenance.42
- 9.2 Storage.43
- 9.3 Transportation.43
- 9.4 Environmental Protection.43

Chapter 10. After-Sales Service 44

- 10.1 Service Package for repair, replacement, and return.44
- 10.2 Warranty card.47

Chapter 11. Alphabetical Index 49

Chapter 12. Schematic diagram 52

Section 1. Safety while driving

1.1 Safety rules

As an owner, you are responsible for the safe and proper operation of the vehicle. Before riding this motorcycle, the driver must familiarize themselves with the following requirements:

- The driver must undergo training in safe handling and possess the necessary certifications. Follow the warnings and
- maintenance requirements specified in the operating instructions. Operate the motorcycle only on roads permitted by
- local regulations.

1.2 Protective equipment

Ensure that the helmet, protective eyewear, and visible protective clothing meet national requirements. Consider weather conditions and road conditions to provide adequate protection.

Helmet

It is recommended to choose a helmet of bright color, appropriate size, and that complies with national standards. Not wearing a helmet can increase the risk of serious injuries or death in the event of an accident.

Gloves

Choose strong leather gloves with full finger coverage. Consider weather conditions when selecting insulated and anti-slip gloves.

Boots

Choose protective footwear that fits snugly on your feet but does not restrict your ability to control the motorcycle.



Warning

Before each ride, ensure that your shoelaces are securely tied. Getting shoelaces tangled in the mechanisms of the motorcycle can have serious consequences.

Clothing

Choose a bright long-sleeve shirt with protective effect and sturdy pants (or protective suit) that are suitable for riding.

1.3 Precautions for safe driving

Make sure you are healthy and able to focus while driving. Do not consume alcohol or drugs before or during driving.

- Drive carefully and keep your hands on the handlebars and your
- feet on the footpegs. Watch the road and be prepared for emergency braking or maneuvers. Avoid riding when tired, as t
- his reduces attention and the ability to make the right decisions. Keep the motorcycle in good condition. The braking effectiveness
- of the motorcycle decreases on wet or slippery roads — ride
- slowly and carefully.

Safety while driving

1.4 Recommended actions in emergencies

First and foremost, take care of your safety. If you or other participants in the accident have sustained injuries, assess their condition and decide whether it is safe to continue moving. If necessary, call emergency assistance. Follow the legislation regarding actions after a traffic accident. If you decide to continue driving, turn off the power and check the condition of the motorcycle.

Check the functioning of the battery, the fastening of nuts and bolts, as well as the operation of the steering, brakes, and wheels. After an accident, be sure to send the motorcycle for inspection at a qualified center. During transportation, pay attention to the following:

- If the motorcycle is heavily damaged, there is a risk of electric shock. Do not touch electrical components or wires. Avoid contact with the battery. In case of a fire, use a fire extinguisher for
- electrical fires and immediately call the fire department.
-

Danger

This motorcycle uses a lithium battery V72. Improper disposal after an accident can cause serious injuries or death. Follow the operating instructions for its disposal.

1.5 Battery

If the battery emits a smell or smoke, it may indicate a malfunction. Immediately park the motorcycle in a safe outdoor location, away from flammable materials, turn off the power, and contact an authorized dealer. Do not disassemble or modify the battery on your own.

1.6 Braking system

Precautions regarding braking:

- Avoid sudden braking, as it may reduce the stability of the motorcycle. Reduce speed before turning if possible; otherwise, there is a risk of falling. Be particularly cautious on slippery roads—
- tires may skid, and the braking distance may increase. On long and steep descents, constant braking can overheat the system and
- reduce the effectiveness of braking. For better braking, use both front and rear brakes simultaneously.
-

- Some unusual sounds after long rides are normal and do not affect the performance of the motorcycle.

1.7 Accessories and modifications

We strongly recommend not installing additional accessories and not altering the motorcycle's design, as this may create a danger. Modifications can void the warranty. Before installing accessories, ensure they are safe and permitted by law.

Danger

Incorrect accessories or modifications can cause accidents that pose a serious risk of injuries or death.

1.8 Maximum load

- Overloading can affect the handling, braking, and stability of the motorcycle. Avoid overloading and adhere to the recommended load capacity.

Maximum load: 75 kg

- When transporting heavy items, maintain a safe speed. Secure the load properly and avoid shifting during movement. Do not
- place items near the engine.
-

Warning

Overloading, improper load placement, or carrying extra passengers can lead to an accident resulting in serious injuries or death. Follow the loading rules for motorcycles.

Section 2. Important information

2.1 Warning signs

Special Important information in the operating instructions is marked with the following symbols :



Danger

Failure to follow instructions will result in serious injuries or death.



Warning

Failure to follow the instructions may result in serious injuries or death.



Attention

Failure to follow the instructions may lead to injuries.



Caution

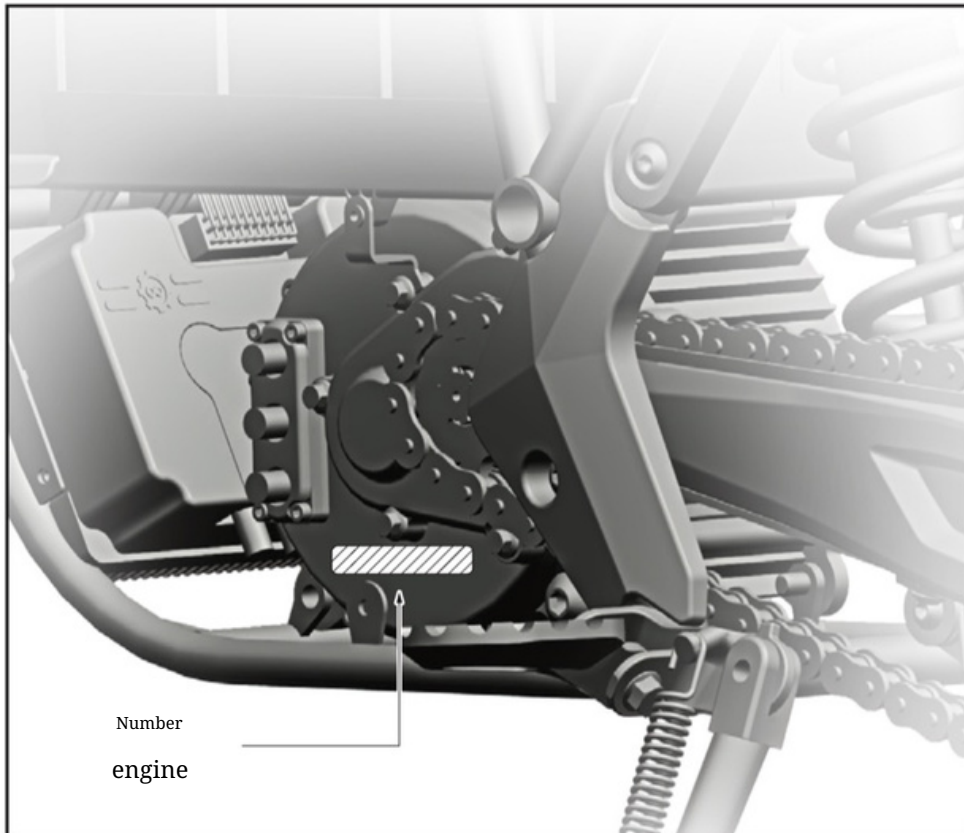
Take special measures to prevent damage to the electric motorcycle or other property .

Your safety and that of others is extremely important, and as a motorcycle owner, you are responsible for the safe and proper use of your vehicle. This owner's manual provides guidelines for the safe use and maintenance of your motorcycle to help you make informed decisions regarding safety. This information warns about potential hazards that could harm you or others. Be sure to follow these instructions for the operation and maintenance of your motorcycle.

2.2 Information about the vehicle

This information may be needed by your dealer when ordering spare parts. You can find information about your motorcycle in the location specified below.

Engine number



Important information

2.3 Model and Technical Parameters of the motorcycle

Climb Version

Назва	E·AT 560 Climb (Стандартна версія)	E·AT 620 Climb (Технічна версія)	E·AT 680 Climb (Максимальна комплектація)
Довжина	2010 мм	2010 мм	2010 мм
Ширина	825 мм	825 мм	825 мм
Висота	1100 мм	1120 мм	1120 мм
Колісна база	1320 мм	1320 мм	1320 мм
Висота сидіння	668 мм	698 мм	698 мм
Кліренс (дорожній просвіт)	310 мм	329 мм	339 мм
Вага (хромомолібденова сталь)	67 кг	67 кг	69 кг
Вага (титановий сплав)	65 кг	65 кг	67 кг
Переднє колесо	80/100-21 (диск Unison серії 7)	2.75-21 (диск Giant7050)	2.75-21 (диск Giant7050)
Заднє колесо	100/90-18 (диск Unison серії 7)	4.00-18 (вакуумний диск Giant)	4.00-18 (вакуумний диск Giant)
Передній гальмівний супорт	185 мм / 4-поршневий супорт	185 мм / 4-поршневий супорт	185 мм / 4-поршневий супорт
Задній гальмівний супорт	185 мм / 2-поршневий супорт	185 мм / 2-поршневий супорт	185 мм / 2-поршневий супорт
Кермо	22–28 змінного діаметра	22–28 змінного діаметра, кастомне від Dusong	22–28 змінного діаметра, кастомне від Dusong
Шини	позашляхові шини	скелелазні шини Maxxis	скелелазні шини Maxxis
Передній амортизатор	40 мм пряма вилка, хід 170 мм	40 мм пряма вилка, хід 200 мм	40 мм пряма вилка, хід 200 мм
Задня підвіска	хід 200 мм	регульований амортизатор, хід 230	3 регульовані газові циліндри, хід
Максимальний запас ходу	100 км	100 км	130 км

Important information

Максимальна швидкість	90 км/год	100 км/год	110 км/год
Трансмісія	ланцюг 520, передавальне відношення 11:42	ланцюг 520, передавальне відношення 11:39	ланцюг 520, передавальне відношення 11:39
Крутний момент на колесі	560 Н·м	618 Н·м	680 Н·м
Максимальна потужність	12 кВт	16 кВт	20 кВт
Ефективність двигуна	96%	96%	96%
Режими потужності	змагання, спортивний, стандартний	змагання, спортивний, стандартний	змагання, спортивний, стандартний
Електронне гальмування	є	є	є
Рекуперація енергії	є	є	є
Задній хід	є	є	є
Акумулятор	72 В 30 А·год	72 В 30 А·год	72 В 40 А·год
Зарядний пристрій	1280 Вт (повна зарядка за 2 год), 1.1 кг	1280 Вт (повна зарядка за 2 год), 1.1 кг	1280 Вт (повна зарядка за 2.5 год), 1.1 кг

Off-road version

Назва	Е·ХТ 560 Off-road (Стандартна версія)	Е·ХТ 620 Off-road (Технічна версія)	Е·ХТ 680 Off-road (Люкс версія)	Е·ХТ 800 Off-road (Максимальна комплектація)
Довжина	2010 мм	2010 мм	2010 мм	2010 мм
Ширина	825 мм	825 мм	825 мм	825 мм
Висота	1100 мм	1120 мм (1150 мм)	1120 мм	1120 мм
Колісна база	1320 мм	1320 мм	1320 мм	1320 мм
Висота сидіння	820 мм	850 мм	850 мм	850 мм
Кліренс (дорожній просвіт)	310 мм	329 мм	339 мм	339 мм
Вага (хромомолібденова сталь)	70 кг	72 кг	72 кг	80 кг
Вага (титановий сплав)	68 кг	70 кг	70 кг	78 кг

Important information

Переднє колесо	80/100-21 (диск Unison 7 серії)	80/100-21 (диск Unison 7 серії)	80/100-21 (диск Unison 7 серії)	80/100-21 (диск Unison 7 серії)
Заднє колесо	100/90-18 (диск Unison 7 серії)	100/90-18 (диск Unison 7 серії)	100/90-18 (диск Unison 7 серії)	100/90-18 (диск Unison 7 серії)
Передній гальмівний супорт	185 мм / 4-поршневий супорт	185 мм / 4-поршневий супорт	185 мм / 4-поршневий супорт	185 мм / 4-поршневий супорт
Задній гальмівний супорт	185 мм / 2-поршневий супорт	185 мм / 2-поршневий супорт	185 мм / 2-поршневий супорт	185 мм / 2-поршневий супорт
Кермо	22–28 мм змінного діаметра	22–28 мм змінного діаметра	22–28 мм змінного діаметра, Dusong 7075	22–28 мм змінного діаметра, Dusong 7075
Шини	позашляхові	позашляхові	Maxxis	Maxxis
Передній амортизатор	вилка 40 мм, хід 170 мм	вилка 40 мм, хід 200 мм	вилка 40 мм, хід 200 мм	вилка 40 мм, хід 200 мм
Задня підвіска	хід 200 мм	регульований амортизатор, хід 230 мм	3 регульовані газові циліндри, хід 230 мм	3 регульовані газові циліндри, хід 230 мм
Максимальний запас ходу	100 км	130 км	130 км	200 км
Максимальна швидкість	90 км/год	100 км/год	100 км/год	100 км/год
Трансмісія	ланцюг 520, передавальне відношення 11:42	ланцюг 520, передавальне відношення 11:39	ланцюг 520, передавальне відношення 11:39	ланцюг 520, передавальне відношення 11:39
Крутний момент на колесі	560 Н·м	618 Н·м	680 Н·м	800 Н·м
Максимальна потужність	12 кВт	16 кВт	20 кВт	25 кВт
Ефективність двигуна	96%	96%	96%	96%
Режими потужності	змагання, спортивний, стандартний	змагання, спортивний, стандартний	змагання, спортивний, стандартний	змагання, спортивний, стандартний
Електронне гальмування	є	є	є	є
Рекуперація енергії	є	є	є	є
Задній хід	є	є	є	є
Акумулятор	72 В, 30 А·год	72 В, 40 А·год	72 В, 40 А·год	72 В, 60 А·год
Зарядний пристрій	1280 Вт (повна зарядка за 2 год), 1.1 кг	1280 Вт (повна зарядка за 2 год), 1.1 кг	1280 Вт (повна зарядка за 2.5 год), 1.1 кг	1280 Вт (повна зарядка за 3.8 год), 1.1 кг

2.4 User manual and pre-trip review

User Manual

- Install the license plate according to the traffic rules. It is
- strictly prohibited to operate a motorcycle by individuals under the age of 18. If there is no separate lane for non-motorized vehicles on the road, you should drive on the right side of the roadway. Do not allow individuals who cannot operate a motorcycle to use it.
- Transport passengers or cargo in accordance with the requirements of norms and regulations. Always wear a helmet and other
- protective gear. During rain or snow, the braking distance increases. Reduce speed and avoid riding in extreme weather
- conditions, particularly during blizzards. Do not park the
- motorcycle in building vestibules, on evacuation stairs, in passageways, and near emergency exits. Do not charge or park the motorcycle in residential buildings. Charging should be conducted
- away from flammable materials, and the charging time should not be excessively long. Do not disassemble used batteries yourself.
- Their disposal should be handled by specialized organizations.
- Familiarize yourself with the proper use and maintenance of the battery before use. The new charger must be compatible with the current battery model.
-
-
-

Driver requirements (the following individuals are prohibited from operating this electric motorcycle):

1. Individuals under 18 years old.
2. Individuals who cannot operate a motorcycle due to pregnancy or illness.
3. Individuals under the influence of alcohol or narcotic substances.
4. Individuals whose weight exceeds the specified limit (maximum load is 75 kg).

Pre-trip review

Before the trip, check:

- Is the tire pressure normal, and are there any damages or foreign objects in the tires? Are the nuts and bolts of the front and rear axle
- tightened? Is the reflector damaged or dirty? Do the power system
- and electrical system operate without issues? Is there sufficient
- charge in the battery for the trip? Do the front and rear braking
- systems function properly? Does the throttle control return and
- reflect normally? Do the front and rear shock absorbers compress
- and return to their normal position, and are there any oil leaks or foreign objects that could affect their operation?
-

Section 3. Installation of components

3.1 Installation of front fender

Install the front fender and secure it with bolts. 1.



To remove the front fender, perform the actions in reverse order to installation.

3.2 Installation of front wheel

Remove the retaining bolts from the front wheel axle. 1. Using a hex key, remove the front wheel axle. 2. Install the front wheel, front wheel axle, and retaining bolts in the correct order.



To remove the front wheel, perform the actions in reverse order to installation.

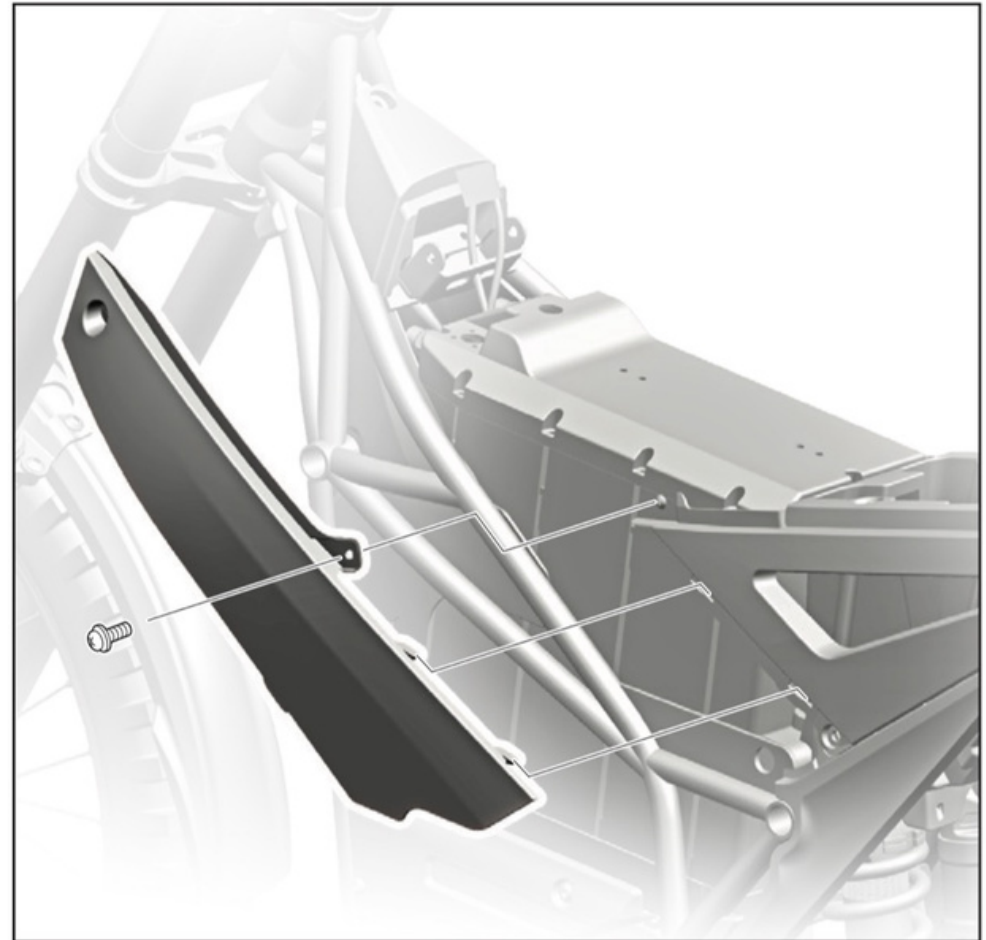
3.3 Installation of the rear wing

Off-road version

1. Remove the fastening bolts from the seat and take it off toward the rear of the motorcycle.



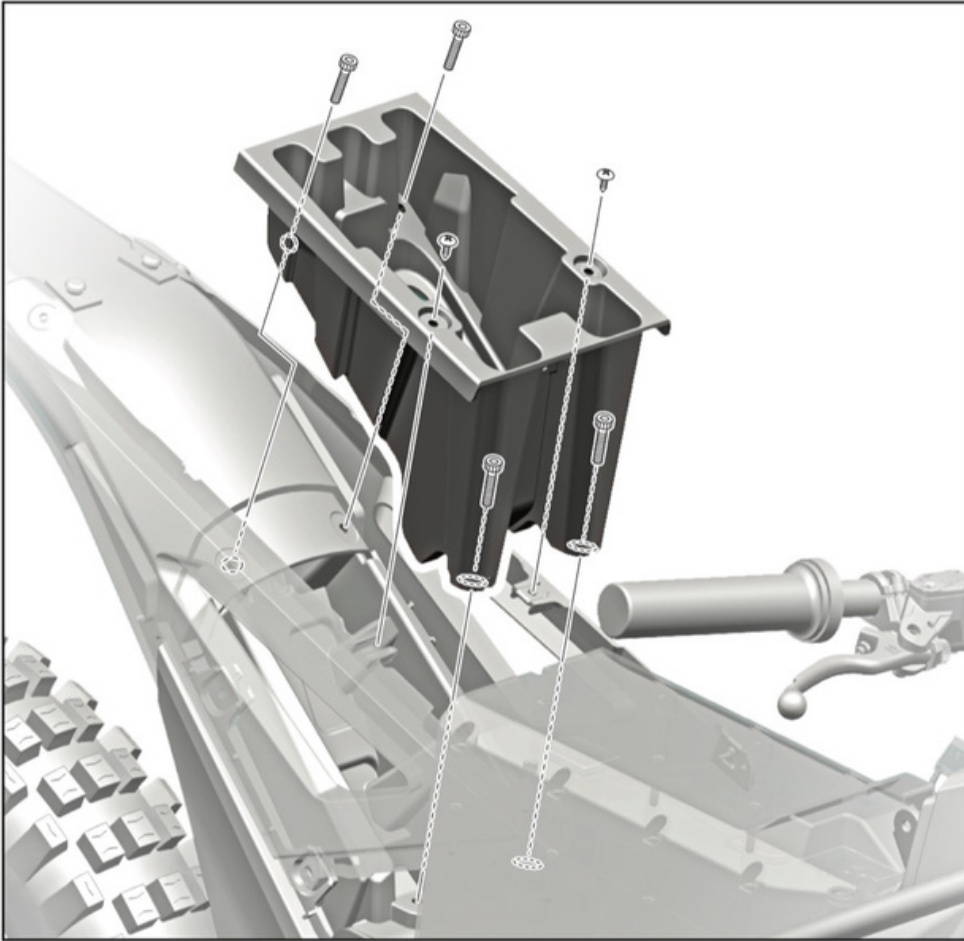
2. Remove the fastening bolts from the front left and right fenders and take them off in the direction of the arrow.



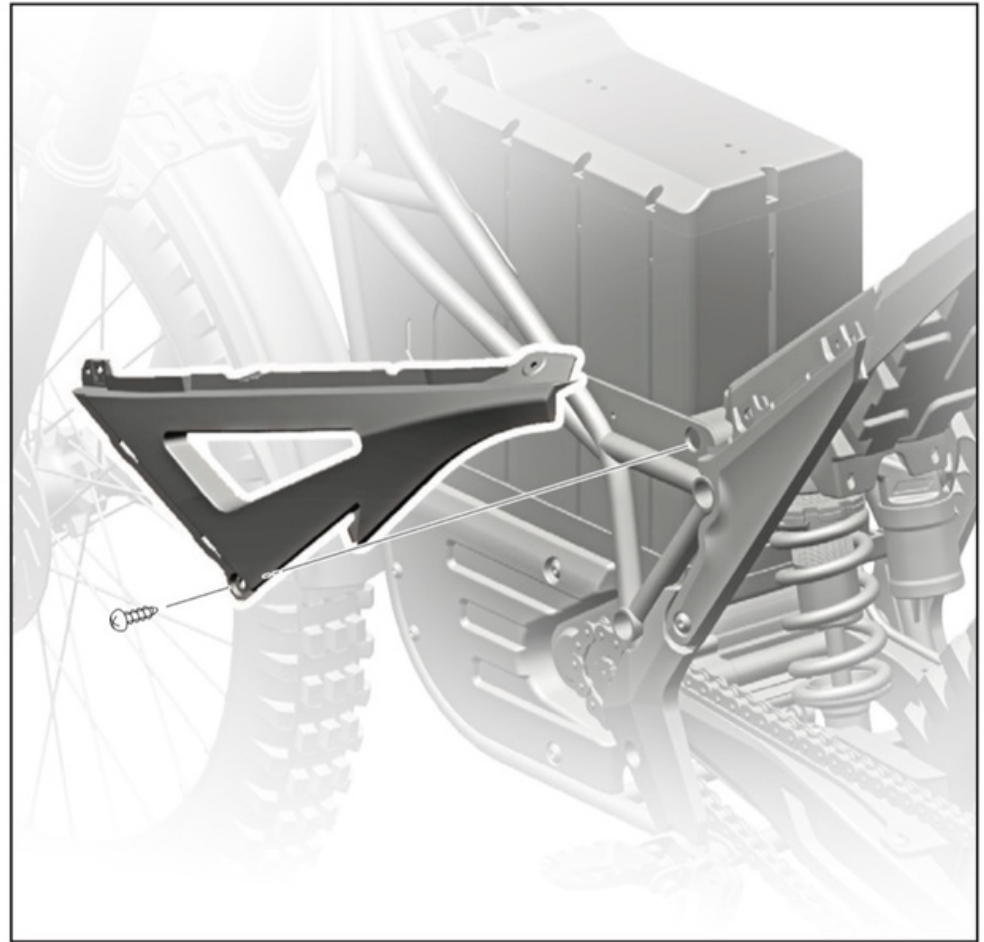
The front left and right splash guards are removed in the same way. As an example, let's consider removing the front left splash guard.

Installation of components

3. Remove the fastening bolts from the trunk.



4. Remove the securing bolts from the rear left and right mudguards and take them off towards the rear of the motorcycle.



The rear left and right mudguards are removed in the same way. As an example, we will consider the removal of the rear left mudguard.

Installation of components

5. Remove the fastening bolts from the rear fender.



To remove the rear fender, perform the actions in reverse order of installation.

Climb Version

1. Remove the fastening bolts from the central cover and take it off.



Installation of components

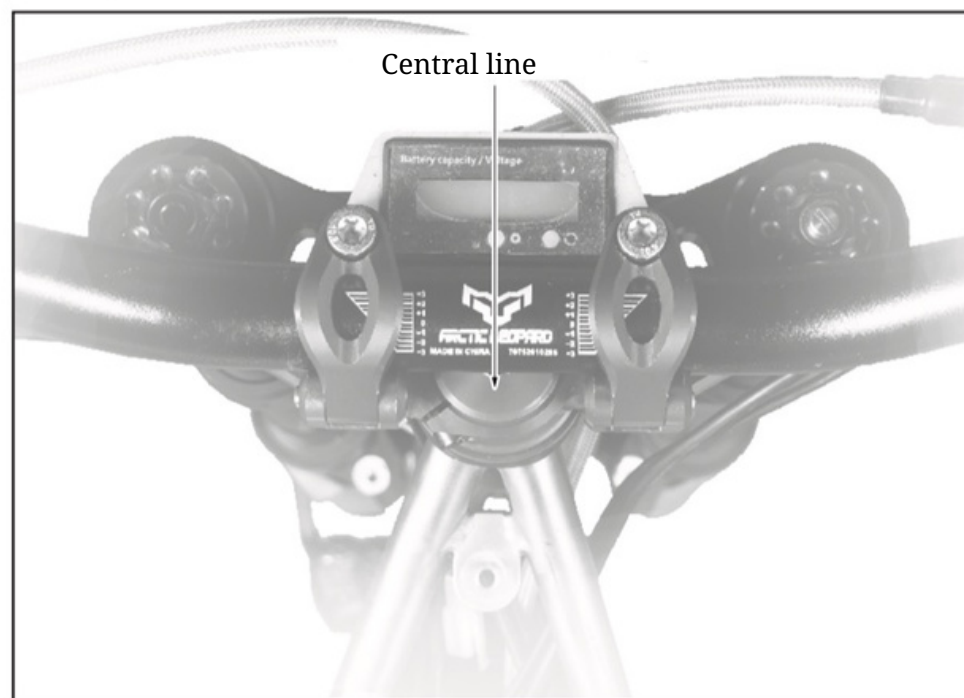
2. Remove the fastening bolts from the rear fender and replace it.



To remove the rear fender, perform the actions in the reverse order of installation.

3.4 Steering Regulation

Loosen the fixing bolts on the steering and adjust its 1. position. Align the center part of the steering with the central 2. line of the motorcycle's body. It is recommended to set the steering scale to -2, which will provide the most comfortable position while riding. When adjusting the steering, consider your own preferences.



4.1 Main Parts

Climb Version

- ① Throttle grip
- ② Dashboard
- ③ Front shock absorber
- ④ Front fender
- ⑤ Front brake caliper
- ⑥ Engine
- ⑦ Chain
- ⑧ Footpeg
- ⑨ Side Stand
- ⑩ Rear fender
- ⑪ Battery



Familiarization

Off-road version

- ❶ Throttle grip
- ❷ Rear wing
- ❸ Seat
- ❹ Chain
- ❺ Footpeg
- ❻ Motor
- ❼ Battery
- ❽ Front brake caliper
- ❾ Front fender
- ❿ Front shock absorber



4.2 Right steering grip

Power switch

This switch controls the power supply. If the anti-theft alarm is off, the power can be controlled using this switch.

- Press ON to turn on the power Press
- OFF to turn off the power

Driving mode switch

This motorcycle has 3 speed modes:

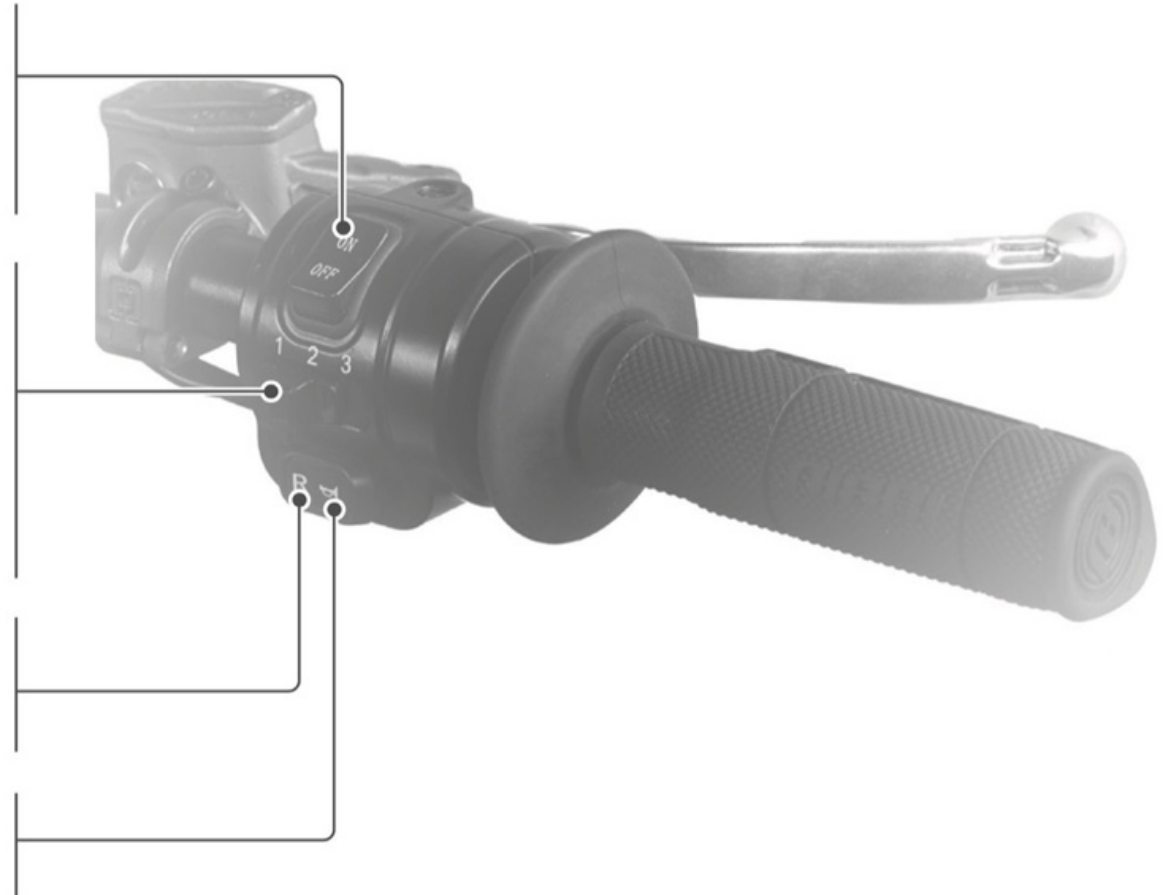
- Mode 1 (standard): power is 34% of maximum.
- Mode 2 (sport): power is 67% of maximum. Mode 3
- (competition): power is maximum.
-

Reverse gear switch

Press to enter reverse mode. Release to exit the mode.

Signal button

Press the button to activate the signal. Release to turn off.



Familiarization

4.3 Protective Device

In case of an emergency or the need for immediate power shutdown, the safety device can be removed.

Danger

Do not remove the safety device unnecessarily to avoid accidents.



4.4 Smart Key

To use the smart key, you must be within the operational range.
Replacement model: CR 2023



4.5 Charging the battery

Precautions During Charging

The battery has the following features:

- During repeated charging and discharging, its capacity decreases. If the battery's capacity decreases, the distance you can travel gradually shortens, even if the charge level indicator shows a full charge. Depending on the riding conditions and the motorcycle's
- lifespan, its discharge performance gradually declines. The range will decrease if the motorcycle is operated in cold conditions. Turn on the battery switch for charging and discharging.



Caution

- Since the battery can discharge on its own, its capacity will decrease if the motorcycle is not used. If you do not plan to use the motorcycle for an
- extended period and want to keep the battery in good condition, charge it every 3 months with the official charger, maintaining a charge level of 40 %~60%. If the motorcycle completely discharges due to long-term storage
- and will not start, connect the charger and charge the motorcycle for at least 30 minutes, then try to start it. Do not wait for the battery to completely discharge before charging, as this can significantly reduce its
- lifespan.

Follow these rules when charging:

- Use only original motorcycle batteries; do not use batteries from other brands or models. Avoid contact between the
- battery and water, drinks, or corrosive liquids.

- Keep the battery away from heat sources, open flames, flammable, and explosive gases (or liquids). Avoid strong p
- hysical impacts on the battery. Prevent metal objects from c
- oming into contact with the battery terminals. If you notice any
- malfunctions (battery overheating, smoke, or unusual smells), immediately stop using the motorcycle, step away from it, and contact an authorized dealer.



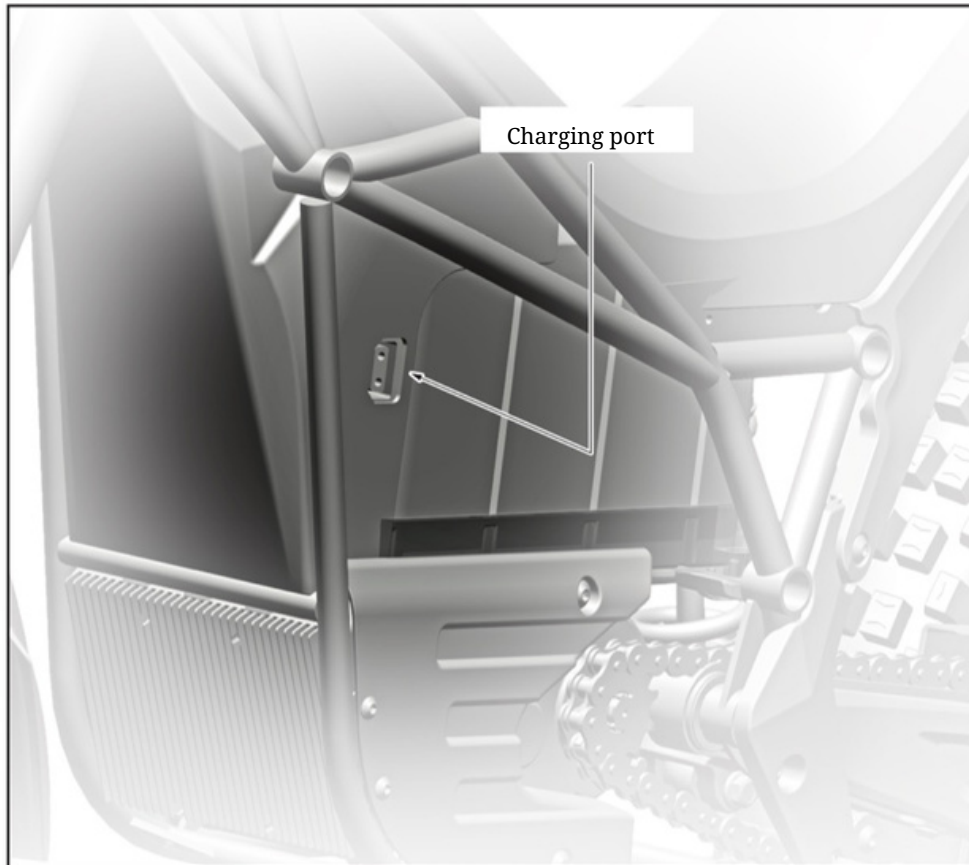
Danger

- Incorrect use of the battery can lead to electric shock or fire, which can result in death or serious injuries. Do not dismantle the used battery on
- your own. It should be handed over to specialized services for disposal and recycling.

Familiarization

Charging method

Always use the charger that comes with the motorcycle.



Before charging, turn off the motorcycle's power, connect the charger to the battery, and then plug it into the electrical outlet.

Charging conditions

Charge the battery in the following locations:

- On a flat, hard surface. At temperatures
- between 0°C and 40°C. In a well-ventilated and
- dry room. In locations permitted by law.
-

Danger

Strictly adhere to the regulations regarding charging locations. Unauthorized individuals are prohibited from disassembling the internal structure of the battery to avoid accidents.

Charging time

A full charge of the battery takes approximately 4 hours. Charging time may increase at higher or lower temperatures. Do not charge the battery for more than 5 hours to avoid reducing its lifespan.

4.6 Charger

Keep the charger away from direct sunlight and rain.

Charging Indicators:

- Red — fast charging. Yellow — slow charging.
- Green — battery fully charged.
-

User Manual for the Charging Device Follow these rules when using the charging device:

- First, connect the charger to the motorcycle, and then plug the plug into the socket. If you hear a "click," that's normal. After
- charging, first unplug the plug from the socket, and then disconnect the charger from the motorcycle. The charger is
- designed for a specific motorcycle. Using it with other models may cause damage. Follow the polarity ("+" and "-") when connecting. Do not immerse the charger in water. If the plug or
- adapter gets wet, stop using it immediately. Keep the charger
- away from flammable gases, open flames, and sparks. The c
- harger heats up during use. Ensure good ventilation and do not
- place it on combustible materials (for example, sofas). The c
- harger operates at high voltage. Use it carefully. Do not open the
- charger yourself to avoid electric shock or damage.
-

- The charger is equipped with a fan, so noise (the sound of airflow from the fan blades) is possible during charging. If the charger, socket, or cable is damaged, stop using them immediately and
- contact professionals. Do not charge the motorcycle if it is covered with a cover. The area must be well-ventilated during
- charging. Do not charge the battery during a thunderstorm. Do not overload the socket with too many devices. Do not remove t
- he charger's plug by pulling on the cable. Read the operating
- instructions carefully before use. If the indicator malfunctions or
- the charger overheats, stop charging and contact professionals.
-



Warning

If the motorcycle or battery catches fire:

- Immediately step away from the motorcycle, call the fire service, and prepare to extinguish the fire. Use an ABC
- powder fire extinguisher or a Class C extinguisher. After the fire has been extinguished, contact the dealer for battery
- disposal. Do not dispose of it yourself. The motorcycle's voltage may remain active depending on the ignition point.
- After extinguishing the fire, it is necessary to turn off the power.

Familiarization

4.7 Right Front Shock Absorber Rebound Adjustment

Use a flat screwdriver to turn the damping adjustment knob 1. and change the Value. Turn counterclockwise to decrease damping. 2. Turn clockwise to increase damping.



4.8 Left Front Shock Absorber Rebound Adjustment

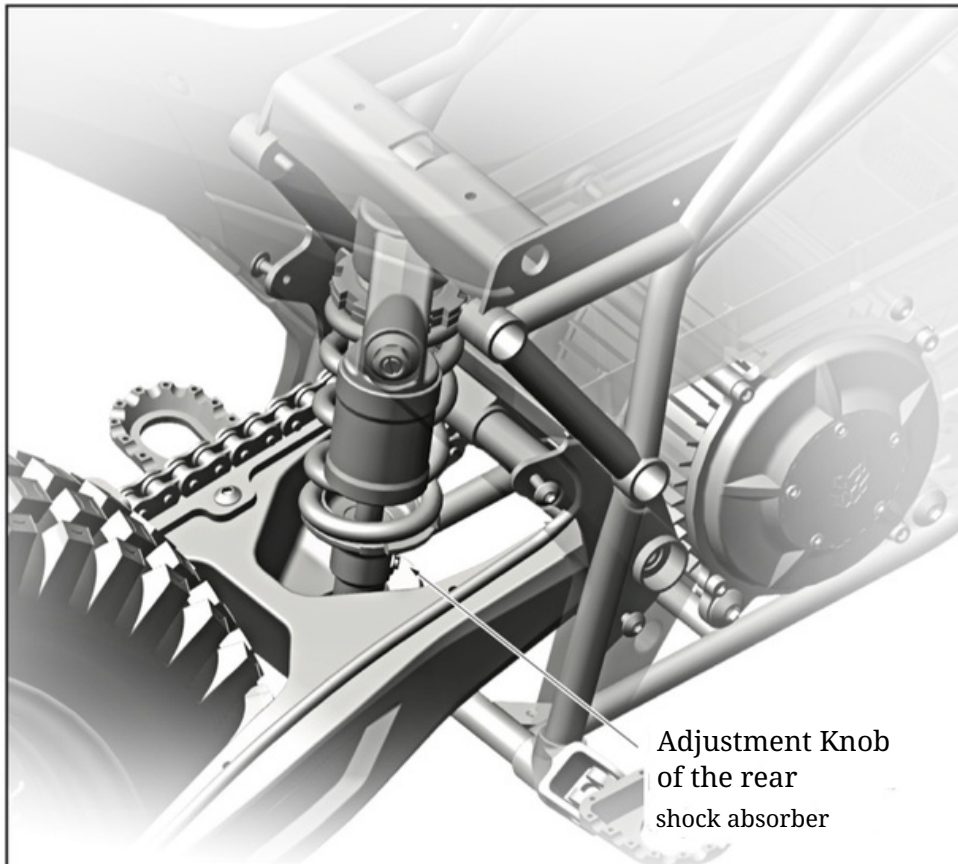
Use a hex key to turn the adjustment 1. knob and change the preload. Turn counterclockwise to reduce the load. 2. Turn clockwise to increase the load.



4.9 Rear Shock Absorber Rebound Adjustment

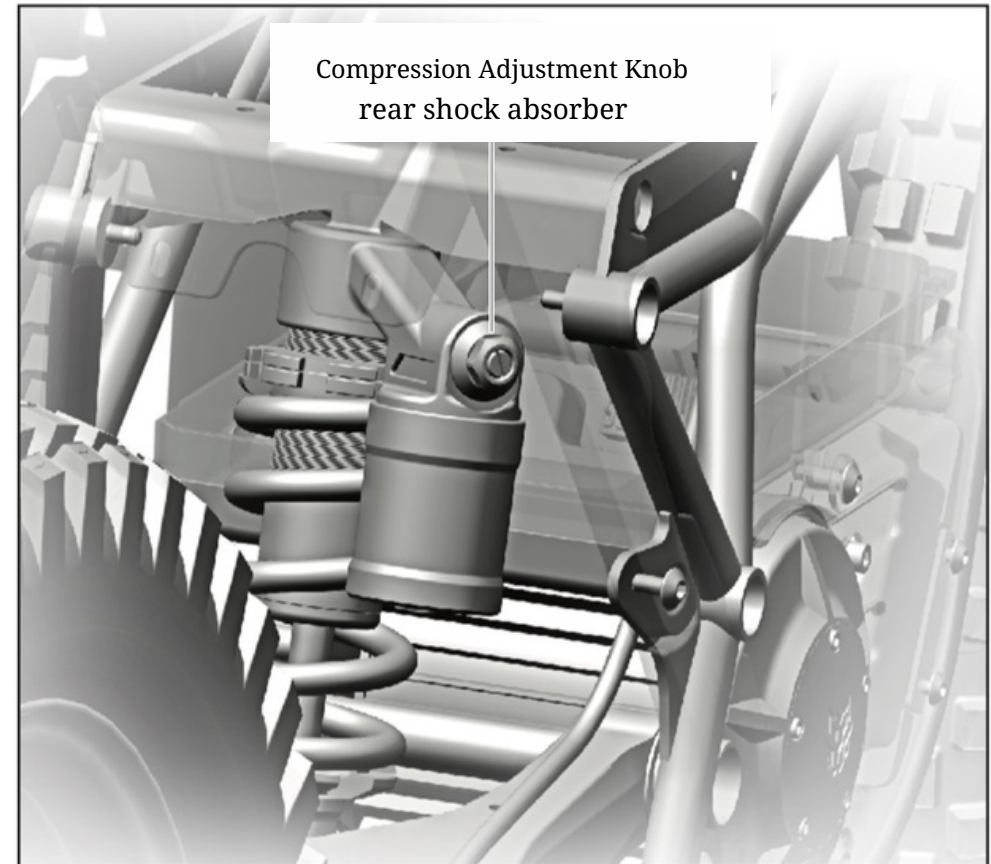
Use the lower rebound damping adjustment knob 1. of the rear shock absorber to set the damping value. Turn counterclockwise to decrease the damping.

2. Turn clockwise to increase damping.



4.10 Compression Damping Regulation of the Rear Shock Absorber

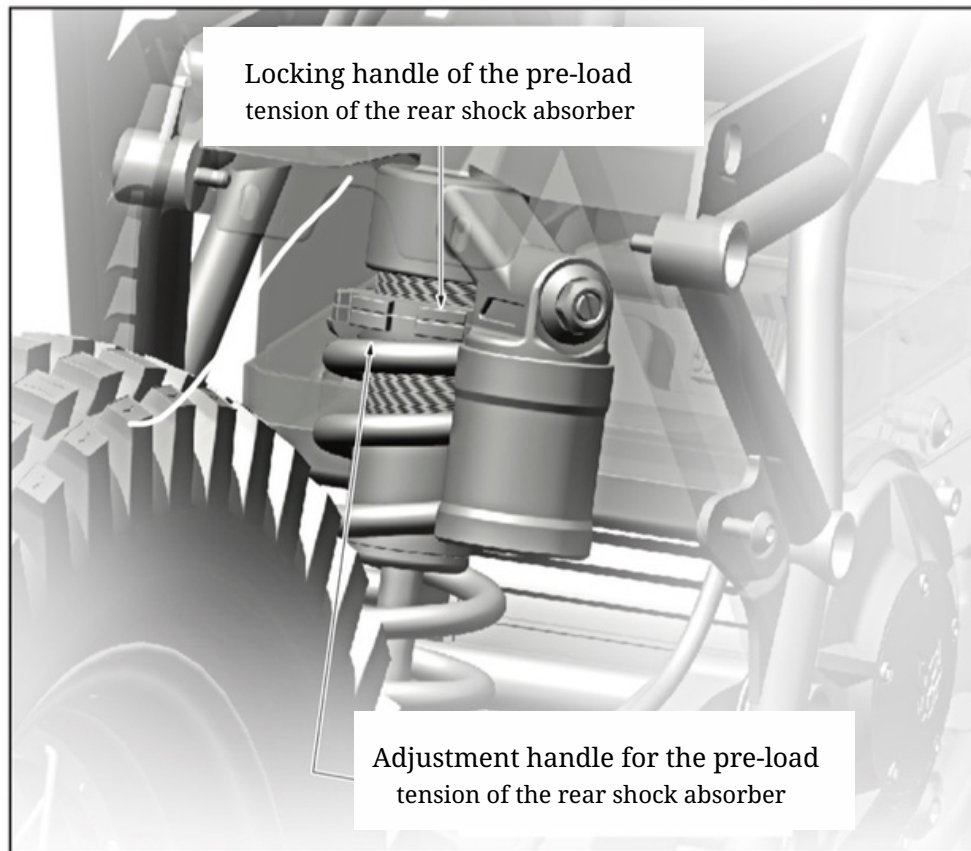
Use the upper adjustment knob of the compression 1. damping to set the value of compression. Turn counterclockwise to decrease the compression. 2. Turn clockwise to increase the compression.



Familiarization

4.11 Preliminary load

Use the preload adjustment knob 1. to change the stiffness level of the rear shock absorber. If the shock absorber compresses, the preload 2. decreases. If the shock absorber rebounds, the preload increases.



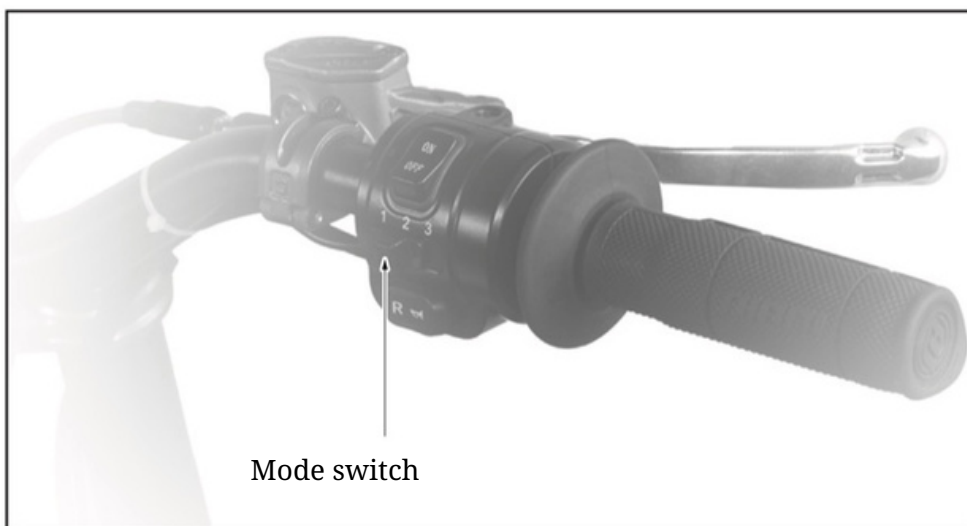
5.1 Driving Modes

This motorcycle has 3 speed modes:

- Mode 1 (standard): Power is 34% of the maximum. Mode 2 (sport): Power is 67% of the maximum. Mode 3 (competition): Power is at maximum.
-

How to switch modes:

- Switch the button on the right handle of the steering.



5.2 Anti-theft Alarm

To activate the alarm, press the locked lock icon on the smart remote once. To deactivate the alarm, press the unlocked lock icon on the smart remote once. The alarm system uses low-intensity radio waves that can affect medical devices (such as pacemakers).



Caution

The anti-theft alarm will not work if the battery charge of the motorcycle is low.

If you encounter any of the conditions listed below, the battery is likely dead, or there has been a system failure. In such cases, please contact the authorized dealer.

- The alarm does not turn on. The alarm turns on, but
- the sound gradually fades away. The alarm sounds
- continuously.

Chapter 6. Driving instructions

6.1 Pre-trip review

Before each trip, it is recommended to check the following elements to ensure that the motorcycle is in a safe condition.

Follow the inspection rules, maintenance procedures, and schedule outlined in the owner's manual.

Елемент	Зміст перевірки
Ємність акумулятора	Перевірте заряд акумулятора та за потреби підзарядіть його.
Кермо	Перевірте, чи рухається плавно в усіх напрямках повороту.
Ручка контролю швидкості	Перевірте, чи ручка працює плавно та без заклинювання.
Гальмівна ручка	Перевірте, чи гальмо працює плавно та без заклинювання.
Переднє/Заднє гальмо	Перевірте рівень гальмівної рідини та знос гальмівних колодок.
Шини	Перевірте наявність пошкоджень і переконайтеся, що тиск у шинах в нормі.

6.2 Starting the motorcycle

Disable the anti-theft alarm system using 1. the smart key. Press ⚡ on the smart key twice to start the motorcycle (or 2. press the start button for some models). Fold the side stand. 3. Select the desired gear for movement using the button 4. for mode switching on the right handlebar. Ensuring that the conditions for safe movement are met, slowly 5. twist the throttle to begin moving.



Caution

If the motorcycle leans to the side, immediately turn off its power.

6.3 Braking

Release the speed control handle, then simultaneously press the front and rear brake levers.



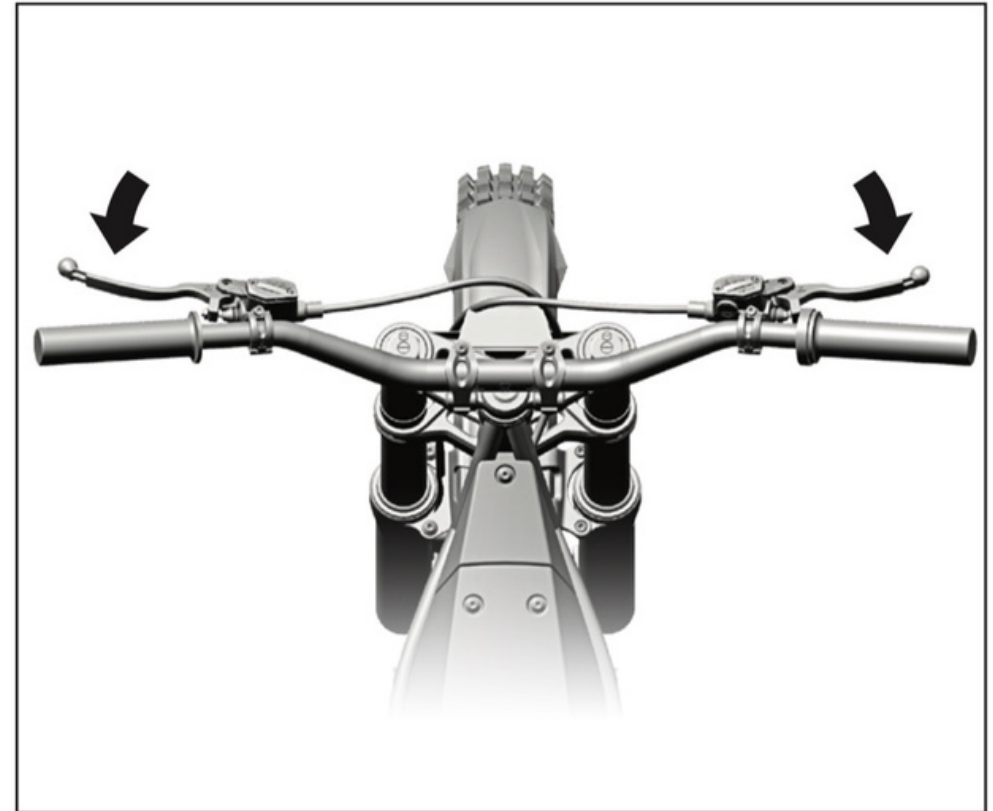
Warning

Before turning or stopping, begin braking in advance. Turn on the turn signal early, watch for vehicles from the side and behind, gradually increasing the pressure on the brake levers.



Warning

- Avoid abrupt braking or excessive pressure on the brakes (especially during turns), or the motorcycle may skid or tip over. Braking on wet roads can cause slipping or an accident. Move slowly and carefully. On long and steep descents, frequent braking may lead to brake overheating, which reduces effectiveness. To ensure safety, use both front and rear brakes simultaneously and brake intermittently.



Driving Instructions

6.4 Parking

Turn off the power of the motorcycle. 1.

Lower the side stand, slowly lean the motorcycle to the left so that 2. the weight shifts onto the stand.

Turn the handlebar fully to the left. After ensuring the safety of the 3. surrounding environment, dismount the motorcycle from the left side.

⚠ If you need to park a motorcycle on an inclined or soft surface, make sure it is in a stable position and
⚠ It may tip over.



Caution

Before leaving the motorcycle, be sure to turn off its power and activate the anti-theft alarm system.

Chapter 7. Maintenance

7.1 The Importance of Maintenance

Always keep the motorcycle in proper technical condition. This is important for your safety, protection of property, ensuring optimal performance, and preventing failures.

Warning

Failure to perform scheduled maintenance or ignoring malfunctions can lead to serious or even fatal accidents. Follow the inspection and maintenance recommendations, as well as the maintenance schedule outlined in this manual.

Запчастина	Перевірка перед поїздкою	Пробіг (км)	1000	4000	8000	12000
		Час експлуатації (місяці)	1	6	12	18
Обертання ручки акселератора	√		√	√	√	√
Мотор				√	√	√
Літійовий акумулятор			√	√	√	√
Гальмівні колодки (передні/задні)	√		√	√	√	√
Рівень гальмівної рідини (перед/зад)	√			√	√	√
Тиск та стан шин	√		√	√	√	√
Мастило в коробці передач			√	√	√	√
Перевірка наявності витоку у передньому/задньому амортизаторі	√		√	√	√	√
Натяг ланцюга	√			√	√	√
Обертання переднього/заднього колеса	√			√	√	√
Затяжка всіх болтів				√	√	√
Пошкодження проводки	√		√	√	√	√
Пошкодження гальмівних шлангів (перед/зад)			√	√	√	√
Робота керма без заїдань	√		√	√	√	√

Note: √ indicates a check (if necessary, perform cleaning, adjustment, lubrication, or replacement).

Technical maintenance

7.2 Part replacement

Use only original spare parts. If you need to replace any component, please contact an official dealer.

Warning

Installing non-original parts can make the motorcycle dangerous and lead to an accident, which can result in serious injuries or even death. Use only certified original parts or equivalent items specifically designed for your motorcycle.

7.3 Motor and controller

The motorcycle controller is one of the most important components that manages the starting and operation of the engine.

Follow these operating rules:

- Do not modify the engine on your own, as this may cause self-ignition, road accidents, or other serious consequences. Do not drive through deep water and avoid riding in water levels
- that exceed the center axis of the rear wheel. Regularly check the tightness of the bolts that secure the engine. If you find that a bolt
- is loose, contact a service center to have it tightened.

7.4 Tire inspection

Visually inspect the tires and measure the tire pressure using a manometer at least once a month or when you feel that the pressure is insufficient. Check the pressure only on cold tires. The maximum tire pressure:

- Front wheel: 0.5–1.5 bar
- Rear wheel: 0.5–1.5 bar

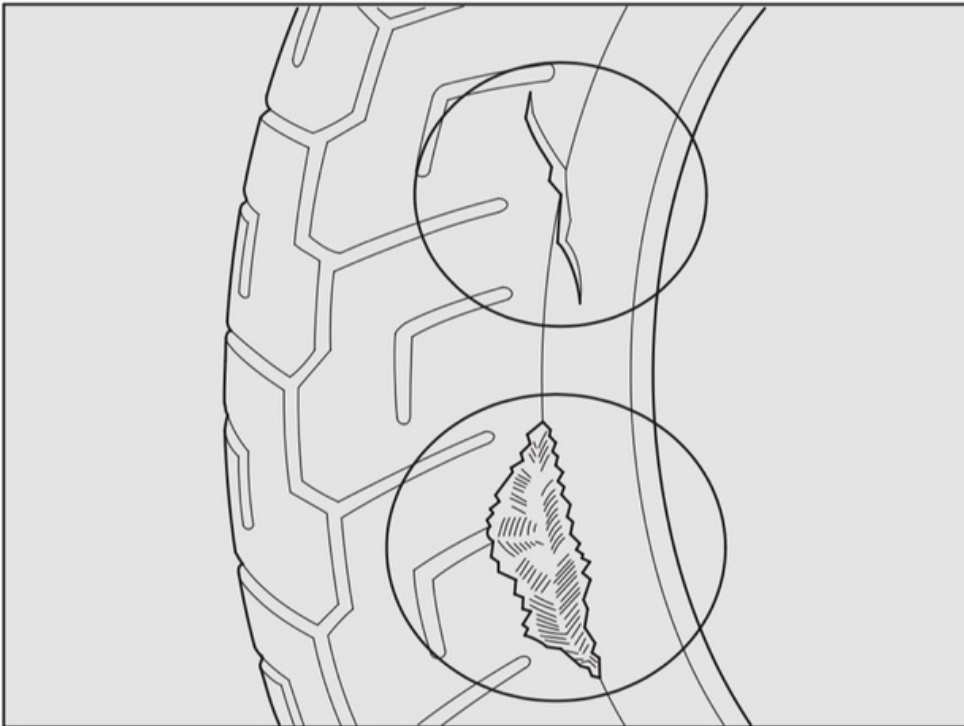
Warning

If the tire pressure is abnormal, the motorcycle will become harder to control, which can lead to an accident. In worse cases, a tire blowout may occur, resulting in a loss of control over the motorcycle and serious injuries or death.

Maintenance

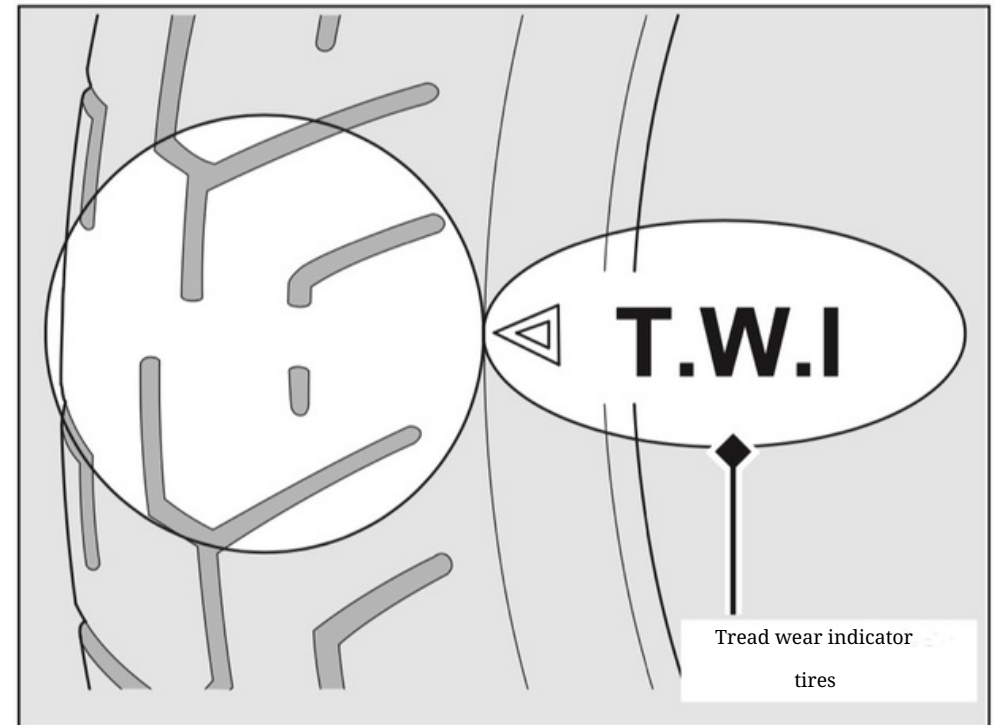
Inspection of damaged tires

Inspect the tires for cuts, cracks, protruding cord threads, nails, or other foreign objects. Also, check the sidewalls of the tires for bulges.



Tread depth inspection

Check the tread wear indicators. If they become visible, replace the tire immediately. Minimum tread depth: 2 mm



Warning

Driving on worn tires reduces safety and can cause an accident.

Technical maintenance

Tire operation rules

- Use recommended tires or equivalent models with the same size, construction, speed rating, and load capacity. Do not overload the motorcycle, as this can cause an accident. All tire and brake component replacements must be performed only by qualified professionals.
-

Warning

Incorrectly selected tires can affect the handling and stability of the motorcycle, potentially leading to an accident, serious injuries, or death. Use the size and type of tires specified in the operation manual.

7.5 Brake fluid inspection

Place the motorcycle on a level and solid surface and ensure it is in a horizontal position.

Turn the handlebar and check if the brake fluid level is above the lower mark.

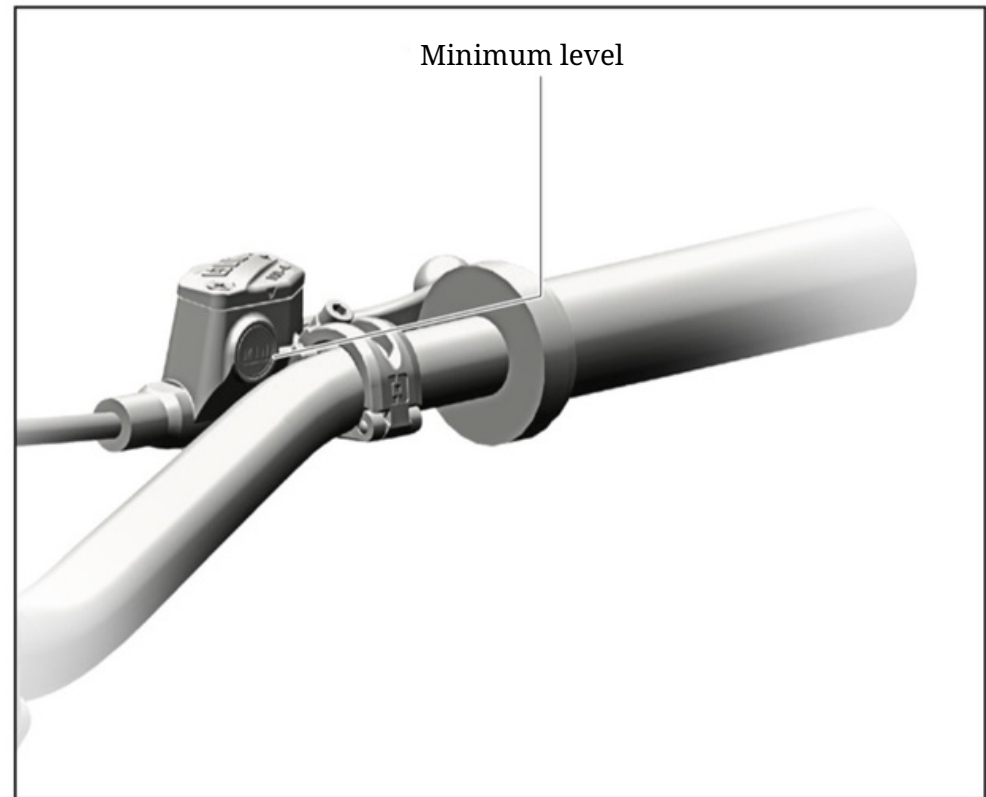
If the level is below the minimum, or the free play of the brake lever exceeds the norm — contact an authorized dealer for service.

Recommended brake fluid: DOT 4



Caution

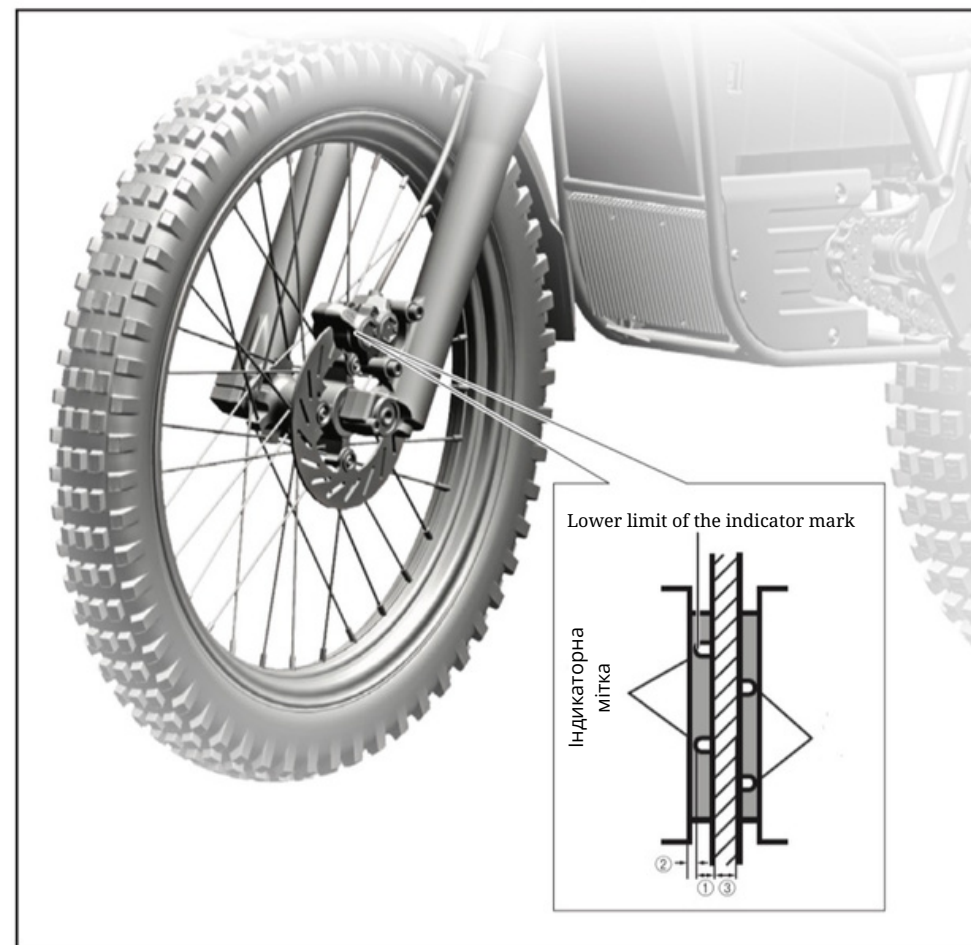
Brake fluid can damage plastic and painted surfaces. If the fluid spills, wipe it up immediately and clean the surface thoroughly.



7.6 Brake pad inspection and brake disc inspection

Check the wear status of the front and rear brake pads. If the wear of the brake pads has reached the lower limit of the indicator mark, the pads need to be replaced. Check the wear status of the front and rear brake discs. If the thickness of the front or rear brake disc has reduced to the value set by the manufacturer, the disc needs to be replaced.

- ① Lower limit: 3 mm Extreme lower limit of brake pad thickness: 2
- ② mm If the thickness of the brake disc is less than 3 mm, the disc
- ③ must be replaced.



Technical Maintenance



Caution

- Replacement of brake pads must be carried out by an authorized dealer. Replace the left and right pads simultaneously. Your safety may be at risk if the brake pads are severely worn and are not replaced in time.

7.7 Side stand

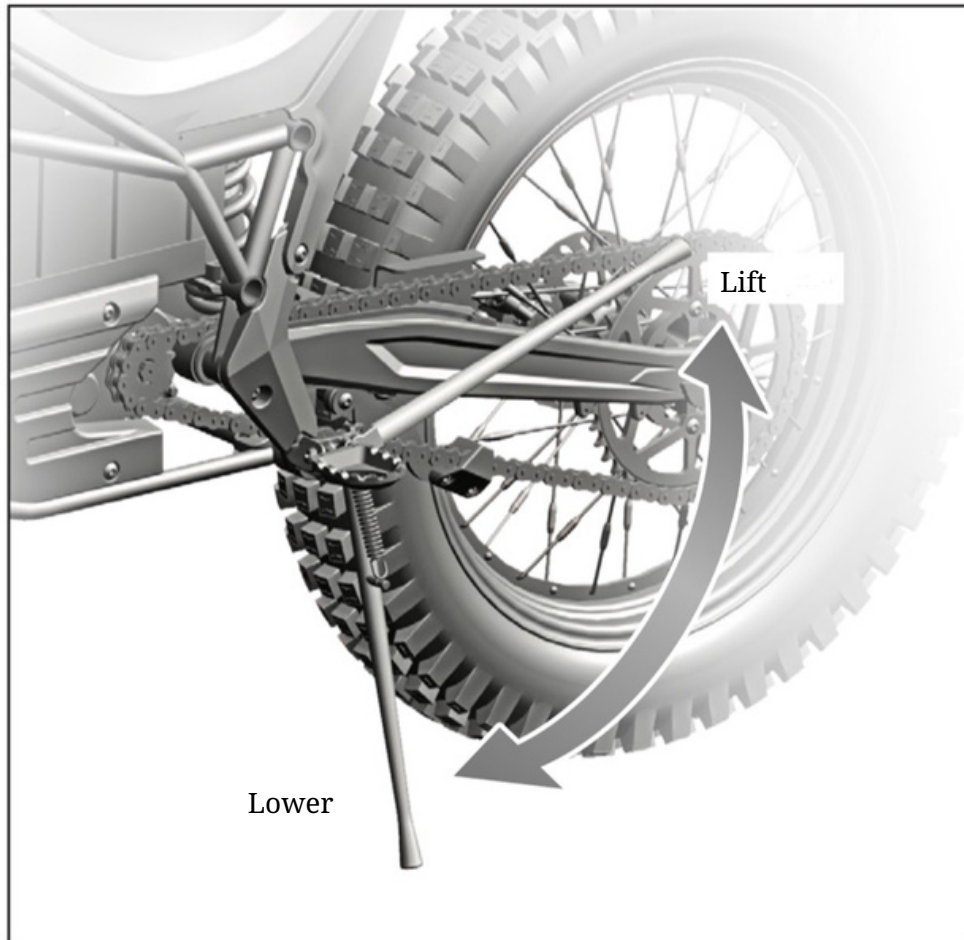
Check

- Ensure that the side stand operates smoothly. If the stand sticks or rattles, clean the rotating shaft and lubricate the axial bolt with clean grease. Check the springs for damage or loss of elasticity. Inspect the stand for any deformations or cracks. If any are found, contact the official service center for repair.

Technical maintenance

7.8 Throttle grip

Make sure that the throttle handle turns smoothly from the closed to the open position and also returns to its original position without sticking.

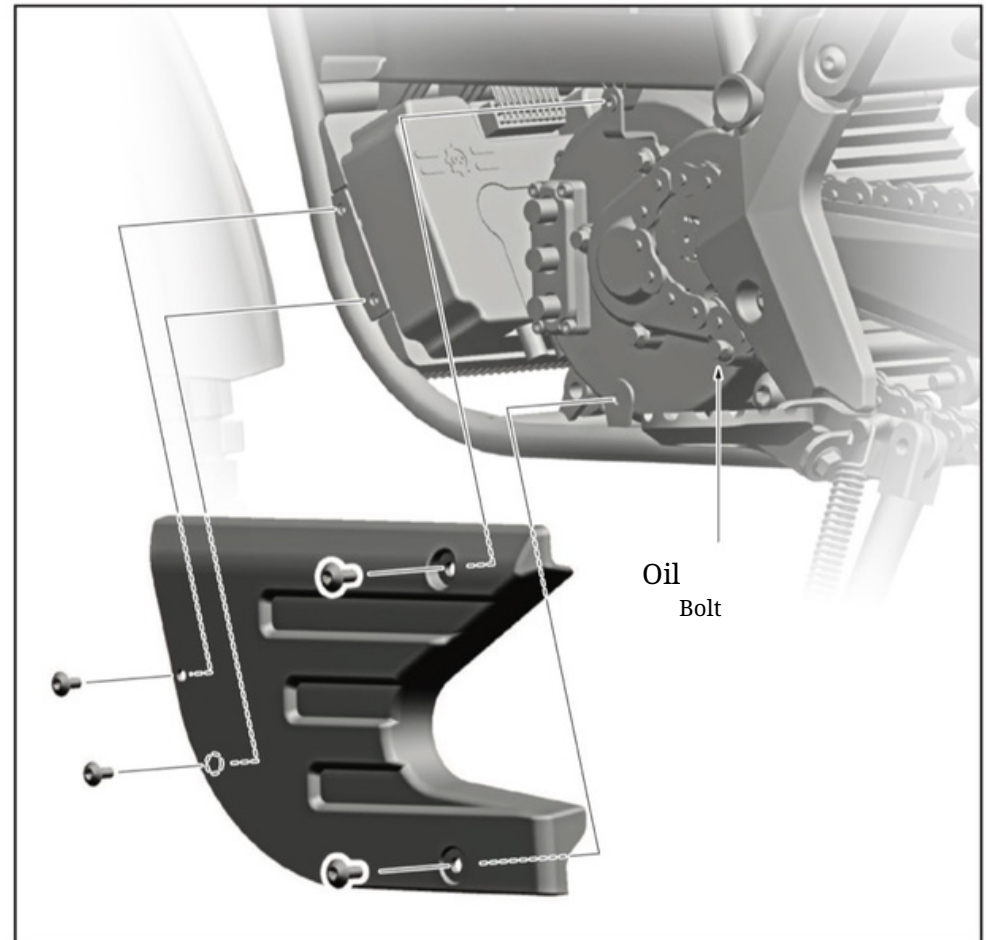


Maintenance

7.9 Transmission oil replacement

Secure the motorcycle so that it stands stable. 1. Remove the left protective cover of the engine. 2. Unscrew the oil bolt and drain the old oil. Add 3. 120 ml of oil to the transmission. Install the new gasket and tighten the oil bolt.

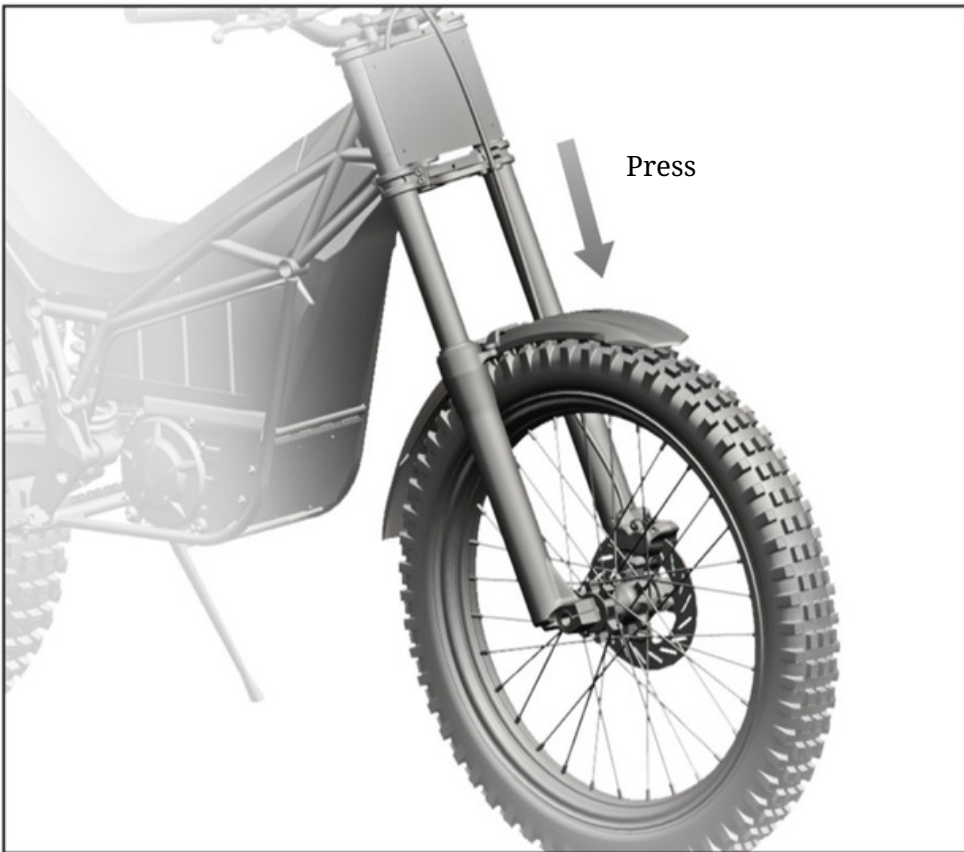
Recommended lubricant: 85W-140



Maintenance

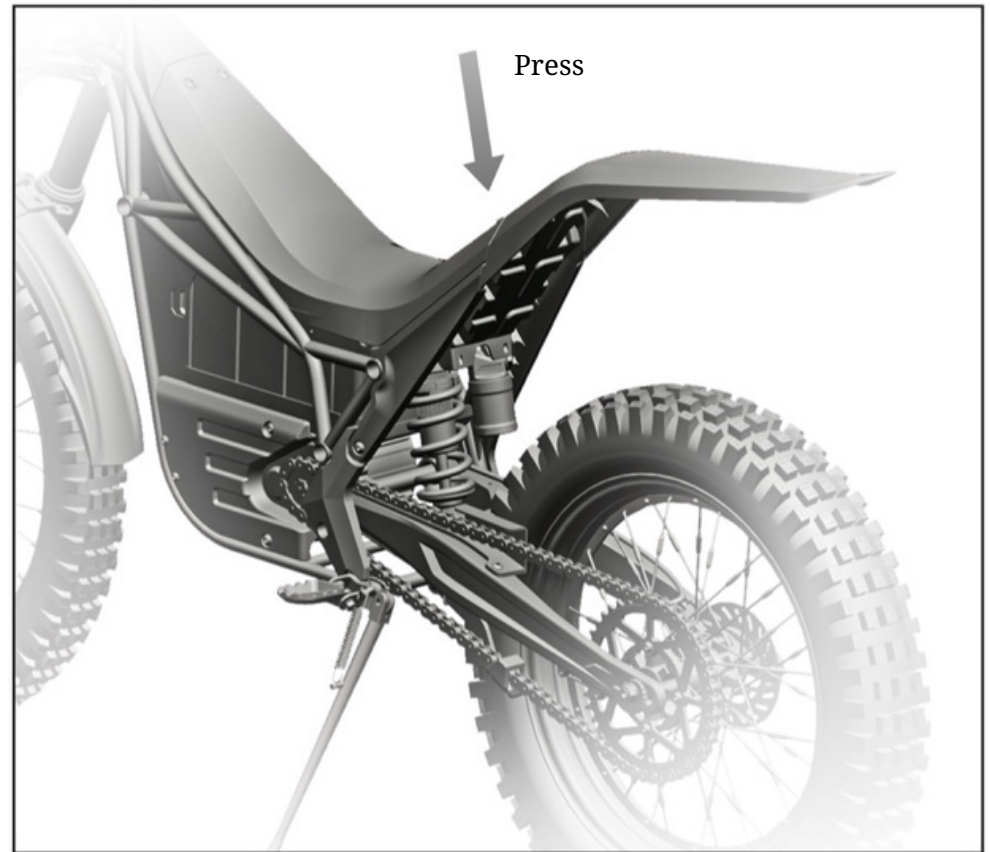
7.10 Inspection and maintenance of the front shock absorber

Check for any external damage or cracks on the front shock absorber, as well as whether any other parts are damaged. Replace any faulty components if necessary. Clean the shock absorber of dust and dirt. While holding the handlebar, push down on it a few times to check if the compression and rebound of the front shock absorber are functioning properly.



7.11 Inspection and maintenance of the rear shock absorber

Check for any external damage or cracks on the rear shock absorber, as well as any other damaged parts. Replace faulty components if necessary. Clean the shock absorber of dust and dirt. While holding the handlebar, press down on it a few times to check if the compression and rebound of the rear shock absorber are working properly.



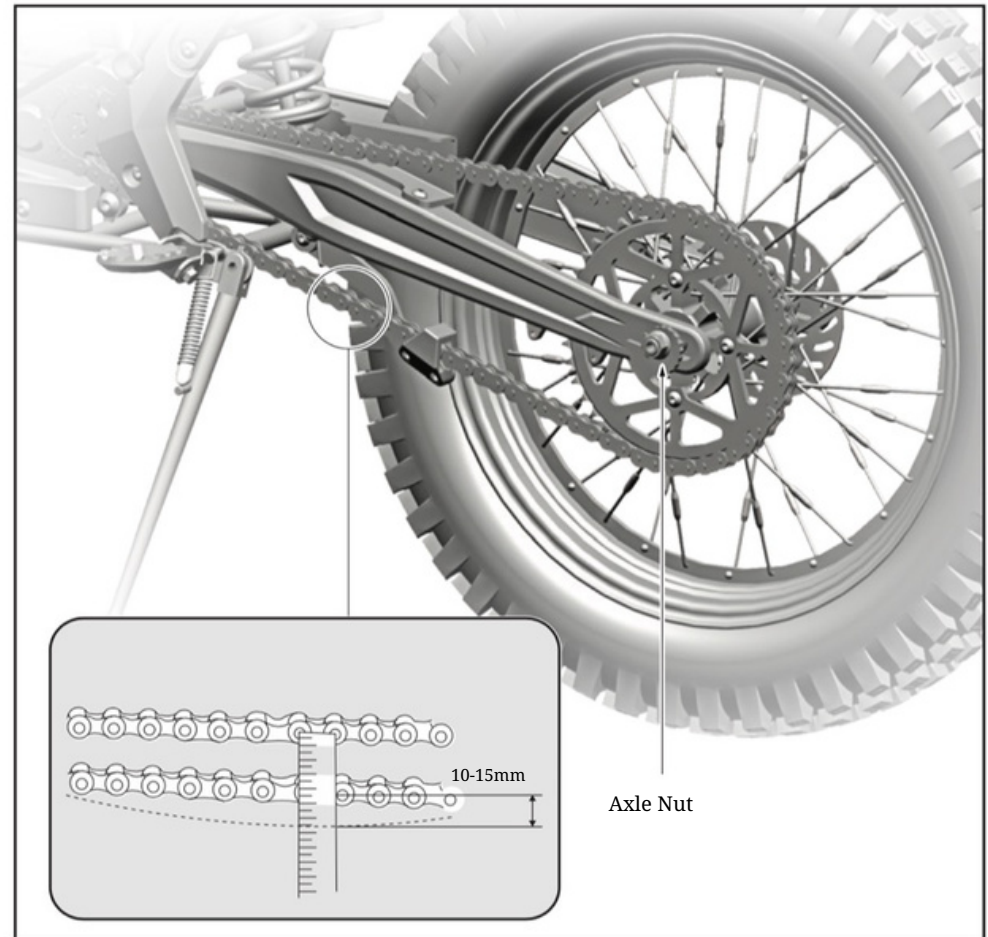
Maintenance

7.12 Chain Inspection and Adjustment

Check: The standard chain sag is 10-15 mm. To adjust, loosen the axle nut of the rear wheel. Adjust the chain sag by turning the adjustment nut. While making adjustments, ensure that the front and rear sprockets remain aligned. After completing the adjustment, tighten the axle nut of the rear wheel.

Warning

If the chain is too loose or too tight, it may slip or break, creating a hazard. Regularly check and adjust the chain at an authorized service center.



7.13 Inspection and Steering Column Service

Inspection

Place the motorcycle vertically on a flat and solid surface. 1.
Do the following: 2.

- Hold the handlebar and shake it to check the limit stop.
Make sure the handlebar and front wheel are aligned in the
- same direction. Press the front brake and push down on the handlebar to check for play.
-

If the handlebar is stuck, has play, or shows signs of incorrect positioning, adjustment is necessary. If the steering column does not align with the front wheel, check the handlebar and shock absorber. In case of damage to the limit stop or deformation of the steering column, it needs to be replaced.

Repair

Technical skills are required for the repair of the steering column. If you do not have sufficient experience, contact an authorized service center.



Chapter 8. Troubleshooting

The phenomenon of malfunction and methods of resolution

	Явище	Причина несправності	Метод усунення
1	Живлення увімкнено, але мотор не працює	1. Роз'єм акумулятора ослаблено 2. Роз'єм центрального контролера ручки акселератора від'єднано 3. Роз'єм мотора ослаблено або від'єднано 4. Ручка гальма не повертається або несправний гальмівний перемикач	1. Перевірте, чи надійно під'єднаний кабель акумулятора 2. Перевірте ручку гальма та гальмівний перемикач
2	Збій ручки акселератора або низька максимальна швидкість	1. Напруга акумулятора занадто низька 2. Несправність ручки акселератора	1. Повністю зарядіть акумулятор 2. Зверніться до сервісного центру для заміни центрального контролера ручки акселератора

	Явище	Причина несправності	Метод усунення
3	Недостатній запас ходу на одному заряді	1. Недостатній тиск у шинах 2. Неповна зарядка або несправність зарядного пристрою 3. Неправильне регулювання гальм, надмірний опір руху 4. Зношений або пошкоджений акумулятор 5. Часті підйоми, зустрічний вітер, часті прискорення та гальмування, велике навантаження	1. Надуйте шини до нормального тиску 2. Повністю зарядіть акумулятор або перевірте контакт зарядного пристрою 3. Відрегулюйте гальма 4. Замініть акумулятор 5. Це нормальне явище в таких умовах експлуатації
4	Не працює зарядний пристрій	1. Роз'єм зарядного пристрою ослаблено або від'єднано 2. Роз'єм кабелю підключення акумуляторного блоку від'єднано	1. Надійно під'єднайте роз'єм 2. Відкрийте кришку акумуляторного відсіку та надійно під'єднайте роз'єм

Troubleshooting

	Явище	Причина несправності	Метод усунення
5	Нетиповий стукіт під час руху	Невідповідна натяжка ланцюга	Відрегулюйте натяжку ланцюга
6	Після підключення до джерела живлення зарядний пристрій не працює належним чином, а індикатор живлення не показує рівень заряду	Захист від надмірного розряду акумулятора через тривалу відсутність зарядки або неправильне зберігання акумулятора	У разі такої ситуації зверніться до постачальника або сервісного центру. Не відкривайте пристрій без дозволу, інакше гарантія буде анульована

	Явище	Причина несправності	Метод усунення
7	Інші несправності	1. Ви стикаєтесь із несправністю, яку неможливо вирішити самостійно згідно з наведеними вище інструкціями, або причина несправності не визначена 2. Пошкоджено мотор, контролер, зарядний пристрій, акумулятор	У разі виникнення таких ситуацій, будь ласка, зверніться до постачальника або сервісного центру. Не відкривайте зазначені частини без авторизації, інакше гарантійне обслуговування буде анульовано

Carefully review the description of what is not covered by the free warranty.

Chapter 9. Other Information

9.1 Maintenance

Regular cleaning and polishing will help extend the lifespan of the motorcycle. Furthermore, it is easier to detect potential malfunctions on a clean motorcycle.

Pay special attention to the fact that seawater and anti-icing agents can accelerate corrosion. Be sure to thoroughly clean the motorcycle after trips along the coast or on roads treated with such substances.

Cleaning

Before cleaning, wait for the engine, brakes, and other hot components to cool down.

Thoroughly rinse the motorcycle with water from a hose to remove dirt 1. and dust.

If necessary, clean the surface with a soft sponge or cloth, 2. dampened with neutral detergent.

- Be especially careful when washing plastic panels and other parts to avoid scratches. Do not allow water to come into contact with electrical components.

Thoroughly rinse the motorcycle with plenty of clean water and 3. wipe it down with a soft dry cloth.

Lubricate all moving parts. 4.

- Avoid getting lubricant on the brakes and tires, as this can significantly reduce braking effectiveness and lead to accidents.

Apply a layer of wax to the plastic external parts for protection against corrosion.

- Do not use products with aggressive degreasers or chemical solvents — they can damage metal and plastic parts, as well as paint.

- Do not apply wax on tires and brakes. If the motorcycle has a matte finish, do not use wax for polishing.

Precautions for Cleaning

Follow these recommendations:

- Do not use high-pressure washers. High water pressure can damage moving and electrical components. Dry the brakes. Water on the brake discs reduces braking effectiveness. After washing, drive at low speed and periodically apply the brakes to dry them. Do not wash the battery and its casing with water or cleaning agents. This may cause malfunction or failure to start. Do not use wax or polishing agents for matte finishes.
-

Clean the matte finish with a soft sponge or cloth, using plenty of water and a neutral cleaning agent. Dry the surface with a clean, soft cloth.

9.2 Storage

If you leave the motorcycle outdoors, it is advisable to cover it with a full protective cover.

If the motorcycle will not be used for an extended period, follow these recommendations:

- To avoid degradation of battery performance, store the motorcycle in a cool place. Recommended temperature: 0-25°C. Before long-term storage, fully charge the battery. Check the charge level every two months using a voltmeter.

9.3 Transportation

To transport a motorcycle, use a motorcycle trailer, a tow truck, or a vehicle with a platform equipped with special straps for securing. Before transport, align the front wheel in the direction of the vehicle's motion and securely fasten the motorcycle with strong non-stretch straps (for example, attachments to the frame, front fork, rear swingarm, etc.).



Caution

Towing a motorcycle can seriously damage its transmission. If you need to move the motorcycle manually, be sure to wear protective gloves. This will help prevent injuries from moving parts (rims, brakes, etc.).

9.4 Environmental Protection

Owning and riding a motorcycle is enjoyable, but at the same time, you must fulfill your duty to protect the environment.

- Choose the appropriate cleaning agent

When washing a motorcycle, choose biodegradable cleaning agents. Avoid aerosol products containing chlorofluorocarbons (CFCs) as they damage the ozone layer of the atmosphere.

- Waste recycling

Used motor oil and other toxic waste should be stored in special containers, and then handed over for recycling. Contact local environmental services or government agencies to find out where such waste can be disposed of. Do not pour out used oil, brake fluid, or cleaning agents into trash bins, sewage systems, or on the ground. They contain toxic substances that can pollute water, soil, lakes, rivers, and oceans.

- Battery disposal: if the motorcycle is no longer repairable, please contact an authorized dealer for proper battery disposal.

*Images, features, performance, and other parameters in the instruction manual are provided for reference only. Please refer to the actual product.

*The final interpretation right belongs to Zhejiang Arctic Leopard Electric Technology Co., Ltd.

10.1 Service Package for repair, replacement, and return

Warranty Content

Dear customers! We sincerely thank you for purchasing this product, manufactured by Zhejiang Arctic Leopard Electric Technology Co., Ltd. Please carefully review the following warranty information.

The warranty for the entire vehicle is 1 year and includes 1. engine, controller, battery, and charger, as well as other non-wearable parts. Free service is provided for malfunctions caused not by the purchaser's fault. The product is not eligible for exchange or return if there are no defects. 2. In the event of a functional failure or improper quality, the product can be replaced after inspection at an authorized service center designated by our company, provided it is confirmed that the issue was not due to the purchaser's fault.

Term and scope of warranty

The actual delivery date for "offline" and "online" buyers is indicated in the receipt and is definitive (the counting starts from the day after the receipt is signed by the buyer). The receipt is valid proof of purchase. If the document is missing, lost, or damaged, the actual sale date is considered to be the one recorded in the system.

Warranty details: 2.

Назва деталі	Зміст гарантії	Гарантійний термін
Літєвий акумулятор	Якщо літєвий акумулятор використовується у відповідному середовищі (діапазон температури середовища для заряджання становить від 0°C до +45°C, для зберігання від -20°C до +60°C) без зовнішніх ударів, ми надамо сервісне обслуговування у разі несправності, включаючи аномальну напругу, проблеми із заряджанням або якщо виявлена ємність менша за 75% (ємність акумулятора змінюється залежно від температури: 70% при -10°C, 85% при 0°C, 100% при 25°C).	12 місяців
Мотор	Зламани компоненти мотору, відсутність фаз котушки, розмагнічений магніт, зношений підшипник, утворення тріщин на кришці, загоряння (не з вини покупця) та інші несправності.	12 місяців
Контролер заряду	Неможливість заряджання або аномальний процес заряджання через виробничий дефект.	12 місяців
Пульт дистанційного керування	Несправності через виробничий брак.	12 місяців
Основний джгут проводів і збірка конвертера	Відсутні механічні пошкодження чи деформація. Якщо пломба не була порушена, а внутрішні компоненти не були відкриті, можуть виникати коротке замикання, обриви ланцюга та інші проблеми з якістю, що впливають на використання мотоцикла.	12 місяців

After-sales service

Назва деталі	Зміст гарантії	Гарантійний термін
Спідометр	Несправності або дефекти через виробничі проблеми.	12 місяців
Рама, рульова колонка, задній амортизатор, передній обід, гальмівний вузол, підніжка, бокова підставка, зірочка, ручка газу.	Несправний компонент можна замінити при виникненні дефектів зварювання, розпаювання, тріщин, деформації, нахилу рульової колонки або керма, а також витоку масла з амортизатора чи його деформації. Пошкодження, спричинені ударами, самовільними змінами чи іншими причинами, не покриваються гарантією.	12 місяців
Підшипники (за винятком підшипника двигуна), гальмівна ручка, ремінь, ланцюг, ущільнення масла амортизатора, камера та шина, диск, гальмівна колодка, вузол рульового механізму, крило, сидіння, запобіжник, спиці, декоративні деталі, пластикові частини та інші запасні частини, не зазначені в наведених вище категоріях.	Зношені частини.	Без гарантії

Note: warranty does not cover spare parts damaged due to the buyer's fault and worn-out components. The aforementioned spare parts may be replaced free of charge if they fail during the warranty period and cannot function normally after repair.

What is NOT covered by the warranty

1. Outside of warranty:

- Failure to perform regular or proper maintenance, poor usage conditions. Non-compliance with operational regulations or exceeding the limits specified in the operating instructions. Use of non-original or unsuitable spare parts. Malfunctions caused by
- natural disasters, accidents, and force majeure. Sensory phenomena that do not affect functionality (for example, vibration). Poor condition after repairs by unauthorized services.
- Poor condition due to contact with kerosene, sulfur, bird droppings, salt, or other chemicals. Unauthorized modification, disassembly, addition, alteration of original characteristics, or mileage data. Poor condition due to operating the vehicle in conditions not corresponding to normal road conditions.
-
-

2. Financial expenses not covered by warranty:

- The cost of regular maintenance. Various expenses and compensation for damages (including motorcycle rental, phone expenses, fax, cost of transporting cargo, deferment of payment) related to repairs during the warranty period. Penalties imposed on the owner for improper use or management of the motorcycle. Adhere to the maintenance schedule specified in the user manual.
-

After-sales service

Scope of warranty

The warranty applies to vehicles sold by Zhejiang Arctic Leopard Electric Technology Co., Ltd. or its authorized dealers.

Warranty period

In case a malfunction is detected, the user is obliged to immediately 1. contact a specialized service center for repair. If the user postpones the repair and the warranty period expires, the warranty will be voided. If the warranty period expires due to the fault of the service center, 2. the service center is responsible for the consequences.

Replacement of the operation manual is not provided.

10.2 Warranty card

Ім'я власника		Контактний номер	
Інформація про транспортний засіб		Інформація про акумулятор	
Модель		Виробник акумулятора	
Номер рами		Модель акумулятора	
Номер мотору		Серійний номер акумулятора	
Перевірка за місцем продажу			
☐ Перевірено наявності інструкції та супровідних документів (включно з номером мотору, номером рами, сертифікатом відповідності тощо)			
☐ Інструктаж з перевірки, встановлення та запобіжні заходи під час використання акумулятора			
☐ Інструктаж з використання зарядного пристрою та відображення стану зарядки			
☐ Основні операції з дистанційним ключем			
☐ Запуск мотоцикла та підготовка до поїздки			
☐ Перевірено тиск в шинах			
☐ Перевірено підвіски / поворот керма вліво і вправо / кріплення			
☐ Перевірено та/або врегульовано передні та задні гальма (включно з рівнем гальмівної рідини)			
☐ Інструктаж з регулярного технічного обслуговування			
Підтверджено дилером		Підтверджено клієнтом	
Печатка дилера		Дилер продемонстрував та пояснив мені всі пункти перевірки.	
Контактний номер			
Підпис інспектора		Підпис клієнта	
Дата		Дата	

After-sales service

Записи технічного обслуговування та ремонту			
№	Дата	Запис	Несправність і ремонт
1			
2			
3			
4			
5			
6			

Chapter 11. Alphabetical index

A

Accessories and modifications.3

Battery.2

B

Safety while driving.1

Side stand.34

B

Important information.4

Importance of maintenance.....29

Installation of rear wing.11

Installation of components.10

Installation of front wheel.10

Installation of front wing.10

Г

Braking system.2

Braking.27

Warranty card.47

3

Part replacement.30

Transmission oil replacement.36

Precautions for safe driving.....1 Starting
the motorcycle.26

Charging the battery.19

Charger.21

Protective equipment.1

Protective device.18

Environmental Protection.43

Storage.43

I

Driving Instruction.26

User Instruction and overview before travel.9

Vehicle Information.....5 Other
Information.42

Alphabetical index

M

Maximum load.3
Model and Technical Parameters of the
Motorcycle.....6 Motor and Controller.30

O

Maintenance.42
Pre-trip Review.26
Familiarization.15
Main parts.15

P

Service Package for repair, replacement, and
return.44
Parking.28
Brake pad and disc inspection.33

Brake fluid inspection.32
Inspection and maintenance of the rear shock
absorber.37
Inspection and maintenance of the front s
hock absorber.37
Inspection and Steering column service.39

Chain Inspection and Adjustment.....38
Tire inspection.30
After-sales service.44
Warning signs.4
Preliminary load.24
Right steering handle.17
Safety rules.1
Schematic diagram.52
Anti-theft alarm.25

P

Rear Shock Absorber Rebound Adjustment.23

Left Front Shock Absorber Rebound
Adjustment.22
Right Front Shock Absorber Rebound
Adjustment.22
Steering Regulation.14
Compression Damping Regulation of the Rear
Shock Absorber.23
Riding Modes.25
Recommended actions in emergencies.....2
Throttle grip.35

C

Smart key.18

T

Technical maintenance.29

Transportation.43

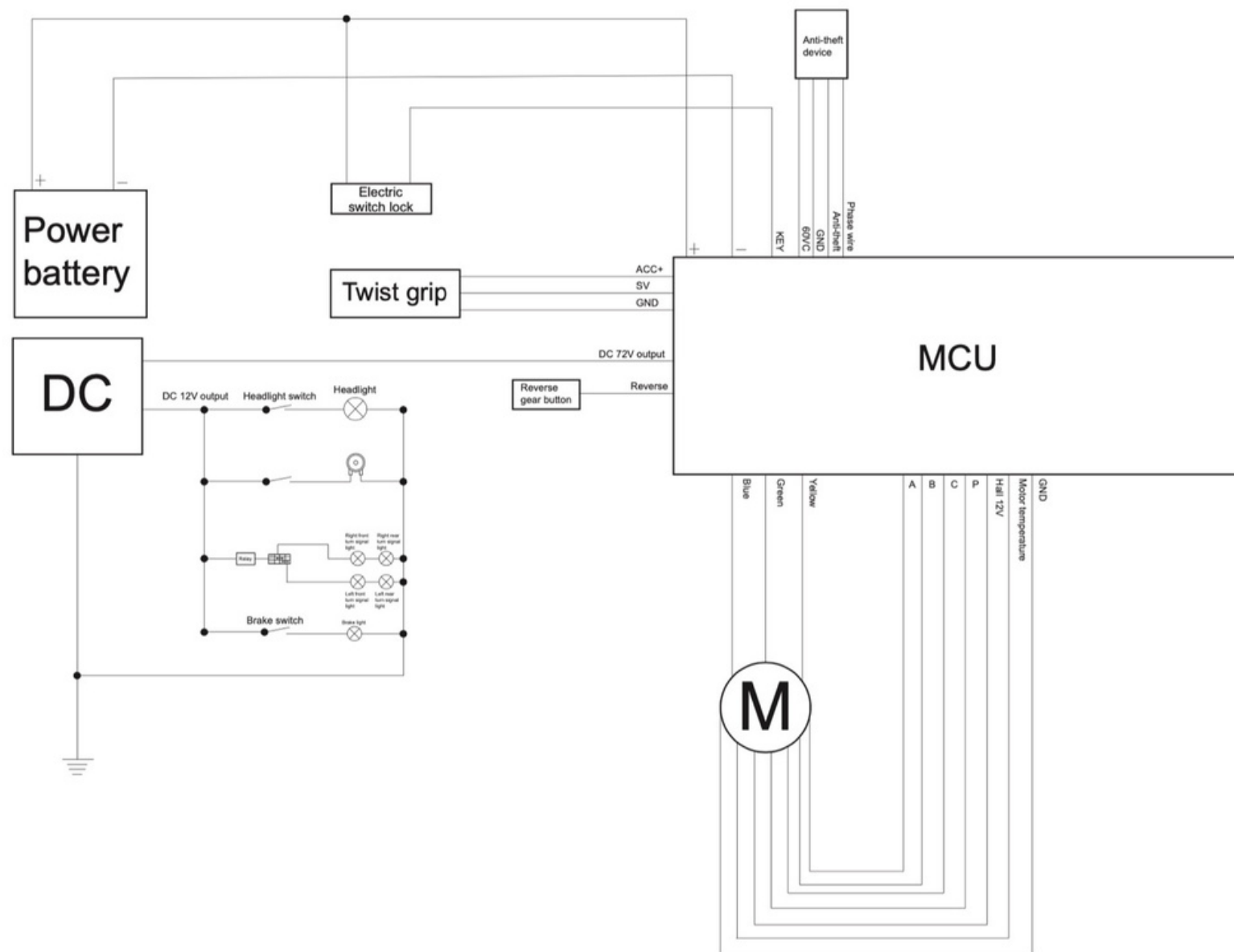
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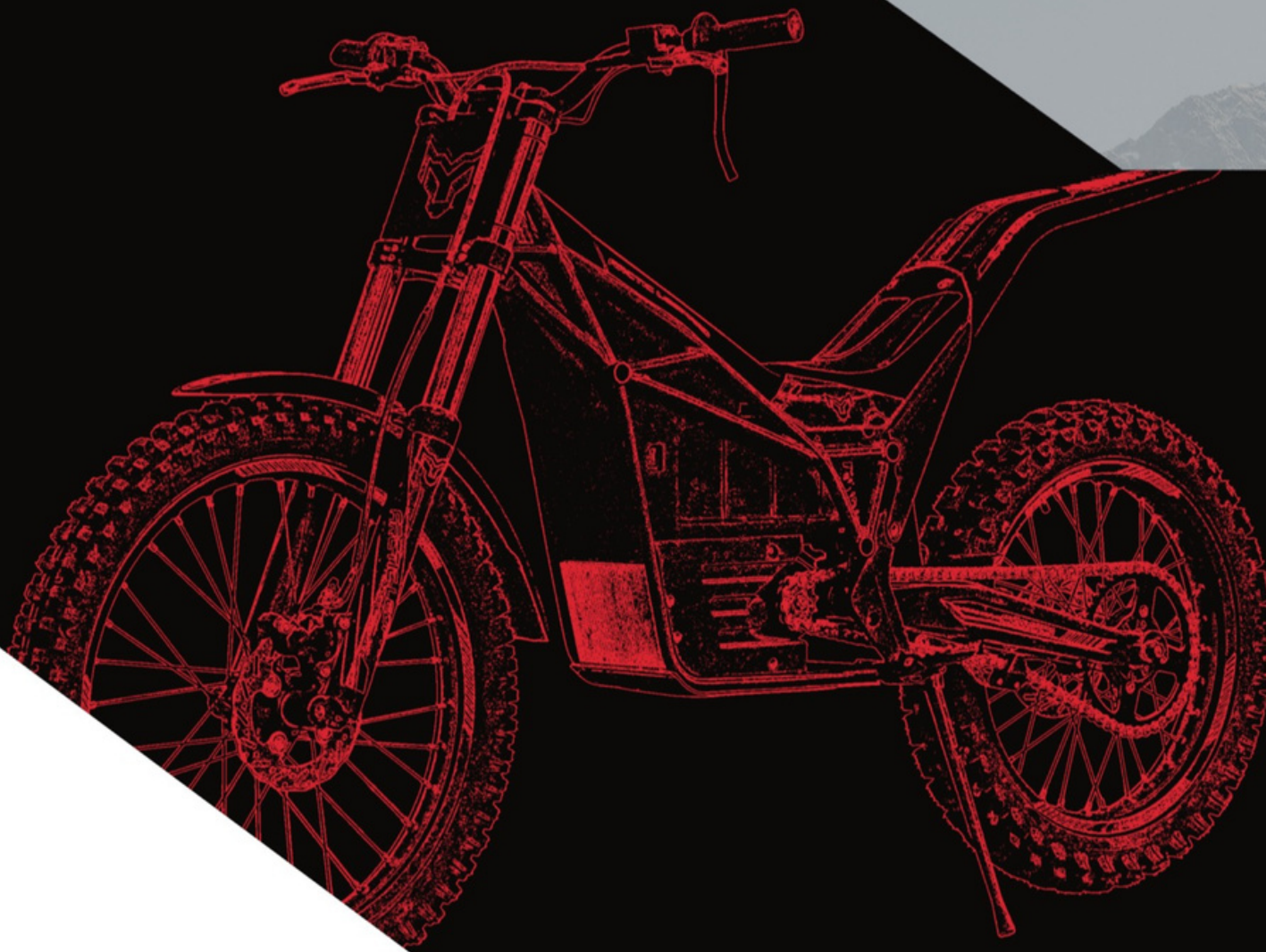
Troubleshooting.40

Φ

Functions.25

Roz part 12. Schematic diagram





Zhejiang Arctic Leopard Electric Technology Co., Ltd.



Address: No.1001, Chengxi Avenue, Hengfeng
Street, Wenling City, Taizhou City, Zhejiang
Province, China Hot line: 0576-87199999 Postal
code: 317500 Website: www.Arctic-Leopard.com