

SRV 600 V

OWNER MANUAL





SRV 600 V

SRV 600 V

Motorcycle

Dear users,

Thank you for purchasing QJMOTOR SRV 600 V two-wheeled motorcycle. It will provide convenience for your work and life so that you can enjoy the pleasure of riding. We will bring you a new driving experience with excellent service.

Please carefully read this User Manual before driving the motorcycle, and strictly follow the warnings and precautions in the User Manual in order to ensure your personal and property safety, and improve the safety and comfort during driving.

This User Manual is part of the motorcycle and should be delivered with the motorcycle to the new owner when reselling the vehicle.

This User Manual contains the latest production information during printing. QJMOTOR has always pursued the quality policy of "improvement, further improvement, and continuous improvement", and is committed to continuously improving product quality and performance. This may result in changes in appearance, color, structure, etc., which may differ from the content of this User Manual. We apologize for any inconvenience caused. The pictures in this *User Manual* are for reference only, and the specific style is subject to the real object.

No part of this manual may be reproduced or copied without written permission.

Please do not use the motorcycle until you understand its performance. Illegal modification of motorcycles is prohibited.

Notices for Owners and Warning Signs



Notices for Owners

Congratulations on becoming a member of the QJMOTOR family of Zhejiang Qianjiang Motorcycle Co., Ltd. (hereinafter referred to as QJMOTOR). In this big family, QJMOTOR hopes that every member can feel a sense of satisfaction, and we will work tirelessly to achieve this goal. In order to ensure the safety of you and others, please understand the following before riding the motorcycle:

The illustrations in this User Manual are based on the QJMOTOR SRV 600 V model.

Please read this User Manual carefully before use and store it properly after reading.

Please follow all the suggestions and operating steps in this User Manual.

Illegal modification of motorcycles is prohibited.

Please pay close attention to the safety information recorded in this User Manual and pasted on the motorcycle.

The service life of this vehicle is 13 years, and the driving mileage is 120,000 kilometers. After reaching the service life and mileage, they should be scrapped according to relevant regulations.




Warning Signs

Your safety and the safety of others are extremely important, and driving this motorcycle safely is an important responsibility. To help you make informed decisions about safe riding, we have included operating procedures and relevant information on the safety label and in this User Manual. This information is intended to alert you to potential hazards that may harm you or others. However, we cannot list all the hazards associated with motorcycle riding and maintenance. You must use your own judgment.

You will see important safety information in various forms, including:

Safety label of motorcycle.

Warning signs, one of the following three warnings:

 Hazard	It indicates that personal injury or death may occur if the method in this manual is not followed.
 Warning	It indicates that if the operation is not carried out according to the method in this manual, it may cause personal injury or damage to the parts.
 Attention	Information that helps you avoid damaging motorcycles, other property, or the environment.



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1.1. Precautions for riding

1.1.1. Safety precautions

Dear user, for the safety of you and others and to prevent accidents, please read the User Manual carefully, master the driving skills through practice, and drive according to the following precautions:

Driving this motorcycle requires a corresponding driver's license (D/E grade motor vehicle driving license obtained by the vehicle management department).

It is strictly forbidden to drive by people under 18 years old and those who can not operate, so as to avoid injury.

Make sure you are in good health and are not drinking alcohol or taking drugs. It is strictly prohibited to drive a motorcycle after drinking alcohol or taking drugs. Driving a motorcycle after drinking will prolong your reaction time and increase the chance of an accident. Neither you nor others should drive a motorcycle after drinking.

Motorcycles should be hung with regular license plates applied by relevant departments.

Articles shall be loaded in accordance with laws and regulations.

They should wear reflective cycling clothes with bright colors to make themselves more visible at night and easy to be found by other traffic participants, which can reduce the risk of accidents. When turning or changing lanes, you should observe oncoming vehicles in advance and turn on the turn signals. If necessary, the horn should be honked to remind others.

Make sure you wear a 3C certified motorcycle helmet and protective clothing.

Do not start the engine in a confined or semi-confined space. The exhaust gas from the engine contains carbon monoxide, which may cause poisoning to you or others, and may cause serious injury or death.

Even if you have ridden other motorcycles, you should practice driving this vehicle in a safe area to become familiar with the performance characteristics of this vehicle and get used to riding motorcycles.

Please avoid violent handlebar operation or one-handed driving, and pay attention to driving safety.

When riding in rainy and snowy days, the braking distance will be extended, so pay attention to slowing down. Try to avoid traveling in bad weather such as rainstorm and strong wind.

Always pay attention to the vehicles around you and be ready to brake or avoid at any time.

When driving, never do anything beyond your personal ability. Speeding is prohibited. It is prohibited to drive motorcycles for long periods of time to ensure your driving attention. Fatigue will slow down your reaction to special situations, which is not conducive to safe driving.



When you have an accident, please assess the injury first, and judge whether you and the vehicle meet the conditions to continue riding. If you can't continue riding, you should call the rescue department in time for rescue. If the collision involves other people or vehicles, please call the traffic management department for handling in a timely manner. When the vehicle is refueled, the engine should be turned off in advance, away from fire sources and flammable materials.

The maintenance measures mentioned in this operating manual should be followed, which is beneficial to keeping your vehicle in good condition for a long time and prolonging its service life. Before each ride, the motorcycle should be inspected and relevant maintenance and service should be completed.

1.1.2 Preparation and inspection before riding Preparation before riding

Riding equipment is essential to ensure your safe and comfortable driving. Please make sure to wear certified and correct riding equipment based on the actual weather and road conditions when driving this vehicle.

Helmets and eye protection

Helmets that meet safety and quality standards and have been certified by the country are the first item of protective equipment for cycling. The worst car accident was a head injury. Please be sure to wear a safety helmet, and it is best to wear protective glasses.



Hazard

Not wearing a helmet greatly increases the chance of serious injury or death in a crash. Ordinary eyeglasses or sunglasses do not provide adequate eye protection for the driver, they may fly out or break and cause secondary injury, and they do not prevent wind and airborne objects from entering the eyes. Please do not wear dark lens goggles in poor light conditions, which increases the risk of accidents due to poor vision.

Gloves

Gloves can effectively prevent hand injuries from wind, sun, heat, cold, and splashes. Gloves that fit well help you control direction and relieve hand fatigue. It can also better protect your hands in the event of an accident or rollover.

Riding clothes

Wear protective, brightly colored tops and pants with minimal exposure of body parts, or a full set of cycling clothing.



Hazard

Hypothermia is a condition in which the body temperature is too low, causing symptoms such as distractions, decreased responsiveness, and inability to move muscles smoothly and accurately, which can easily lead to accidents. Wear suitable protective equipment to prevent hypothermia when driving in cold regions or in adverse weather conditions.

Riding boots

Wear protective and non-slip riding boots without laces.



Hazard

It is recommended to wear comfortable protective boots that do not expose toes and are ankle high, without interfering with driving.

Check before riding

To ensure your safety and the safety of others, it is your responsibility to check before each driving and ensure that relevant issues are resolved before driving on the road.

Before cycling, please check the following:

Check whether the power circuit and lighting are normal;

Whether the horn can sound normally;

Whether the fuel of the vehicle is sufficient to meet your riding distance;

Check whether the front and rear brakes work normally;

Check whether the throttle handle rotates normally and whether it is stuck;

Check whether the engine flameout switch is normal;

Whether the front and rear brake pads reach the wear value;

The fastening state of the handlebar and the front and rear wheels;

Whether the air pressure of the front and rear tires is at the standard value;

Whether the tire is damaged or abnormal bulging occurs;

Whether the front and rear reflectors are damaged or contaminated;

Whether the oil quantity of the engine is within the normal range;

Whether the coolant level is within the normal range and whether there is liquid leakage;

Whether the front and rear brake fluid is within the normal range, and whether there is leakage;

Whether the belt curvature is within the normal range, whether there is any damage, if necessary, please replace the new belt;

Whether the operation of the clutch is normal;

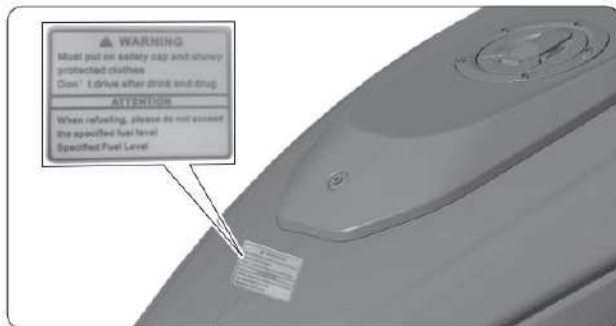
Whether the side stand flameout switch can operate normally.



1.2 Vehicle label instructions

Fuel tank label:

The label is affixed directly above the fuel tank of the vehicle. Please drive the vehicle according to the requirements on the label.



1.3 Accessories and modifications

Do not add any accessories other than those specifically designed for your motorcycle by QJMOTOR, or modify the original design of your motorcycle. This will lead to a decrease in motorcycle safety. Moreover, modifying motorcycles can also invalidate your warranty service and potentially prevent your vehicle from legally driving on the road. Please prioritize safety and legality when modifying your vehicle.



Hazard

Improper fitting can cause a traffic accident, resulting in injury or death to you or others.

We recommend that you use genuine parts of QJMOTOR when replacing parts, which can ensure the safety of the vehicle and extend its service life.

1.4 Loading requirements

The vehicle can carry one driver. Maximum gross mass 379 kg. Overload and overweight will affect the maneuverability, braking performance and safety of the motorcycle. When carrying heavy loads, the driving speed must be kept within a safe range. The driver should improve his concentration.

Please tie up all the items and place them evenly and smoothly on the motorcycle, try to keep the weight of the left and right loads consistent, and avoid rolling.

Do not carry items near the muffler and headlights.



Warning

Overload or overweight can lead to traffic accidents and cause serious injuries and fatalities.

2. Technical Parameters



2.1. Body information

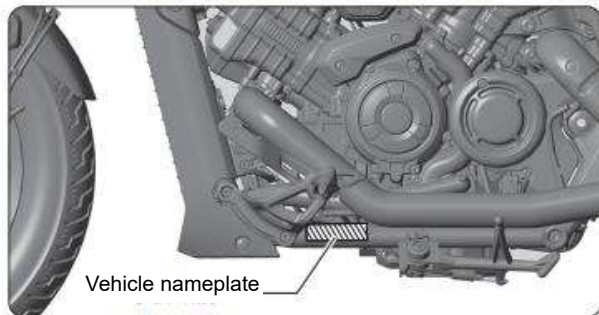
2.1.1. Frame number

The frame number is located on the right side of the vertical pipe of the vehicle's steering column as shown in the diagram.



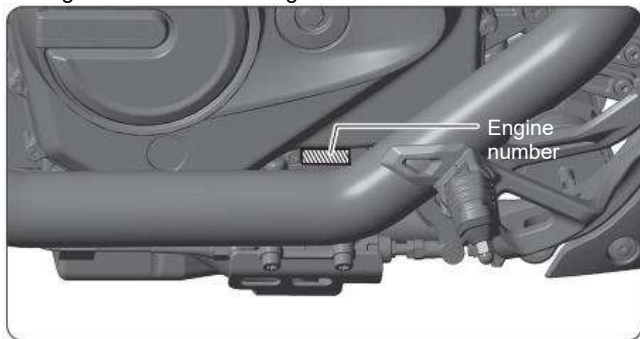
2.1.2. Vehicle nameplate

The vehicle nameplate is located under the vehicle body at the position shown in the figure.



2.1.3. Engine number

The engine number is located on the right side of the body, below the engine as shown in the figure.





2.2. Vehicle parameters

Engine	QJ4V61MS-a, 4-stroke	
Displacement	561 cm ³	
Cylinder diameter x stroke	61.0 mm×48 mm	
Maximum net power	Full power	50.5 kW at 10500 r/min
	Limited power	35.0 kW at 7250 r/min
Maximum torque	Full power	53.0 Nm at 8500 r/min
	Limited power	45.5 Nm at 7250 r/min
Drive system	Belt transmission	
Clutch	Wet multi-piece	
Ignition mode	ECU electronic control ignition	
Starting mode	Electric	
Oil reservoir capacity	16 ± 0.5 L	
Curb weight	228 kg	
Length x width x height (Excluding rearview mirror)	2280×830×1115 mm	
Wheelbase	1580 mm	
Tire	Front: 130/90 16	
	Rear: 180/65 16	
Brake mode	ABS braking	Front: Dish Brake
		Rear: Dish Brake

Type of fuel	Lead-free clean gasoline	
Maximum design speed	Full power	180 km/h
	Limited power	155 km/h

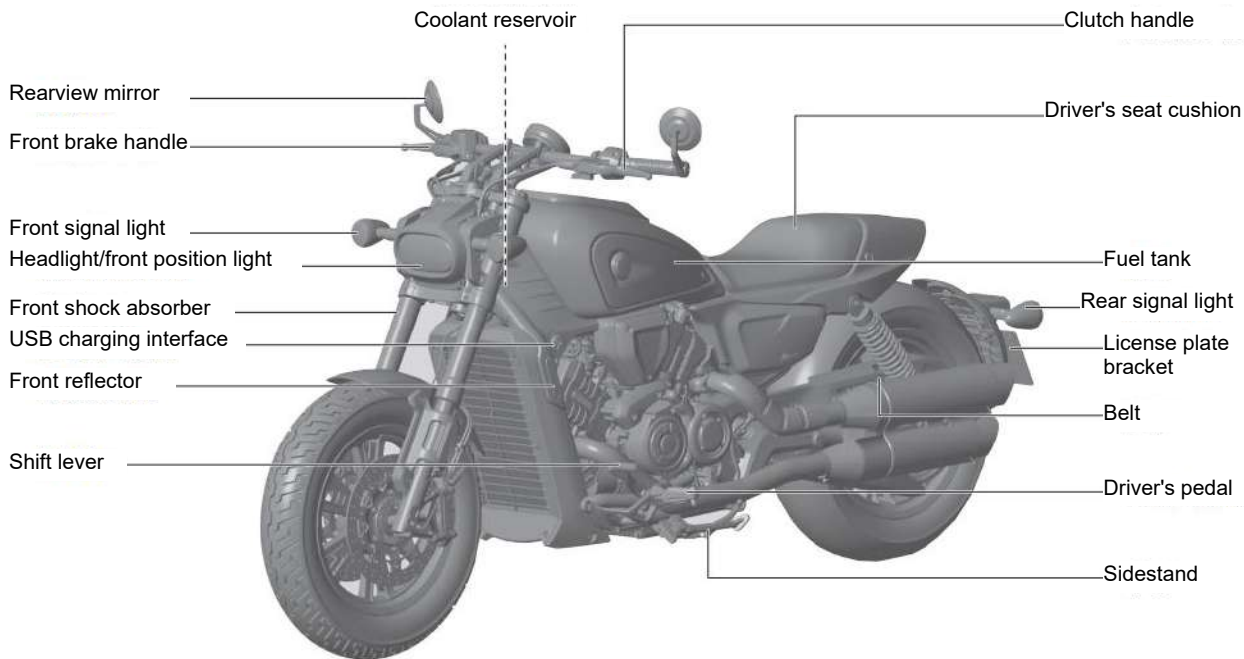
2.3 Parameters of vulnerable parts

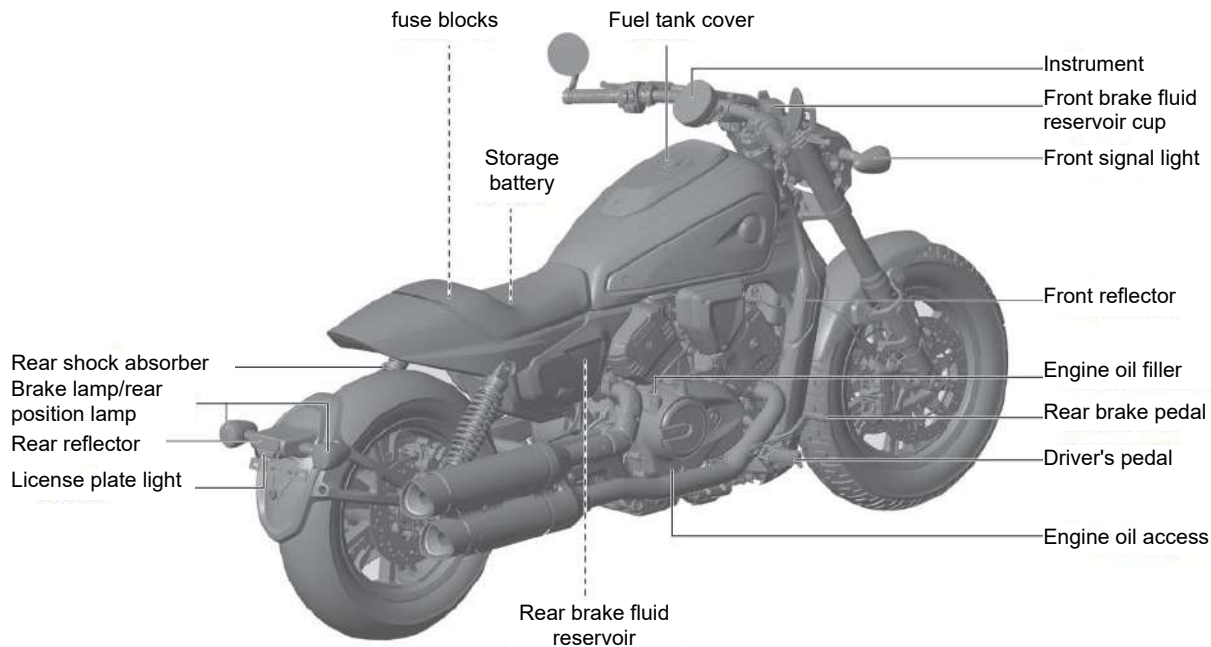
Front tire	130/90-16
Rear tire	180/65-16
Tire type	Tubeless tire
Tire pressure	Front: 220±10 kPa Rear: 250±10 kPa
Spark plug	CR8E
Idle speed (rpm)	1500±100 r/min
Engine oil model	SN 15W-50
Engine oil capacity	3.1 L
Recommended brake fluid	DOT 4 brake fluid
Headlight	LED
Brake light/rear tail light	LED
Front signal light	LED
Rear signal light	LED
License plate light	LED
Main fuse model	40 A
Other fuse models	Oil pump: 15 A; Fan: 25 A; ECU: 15 A; Power lock: 15 A; ABS1: 25 A; ABS2: 15 A;
Spare fuse model	40 A×1、25 A×2、15 A×2

3. Driving Guide



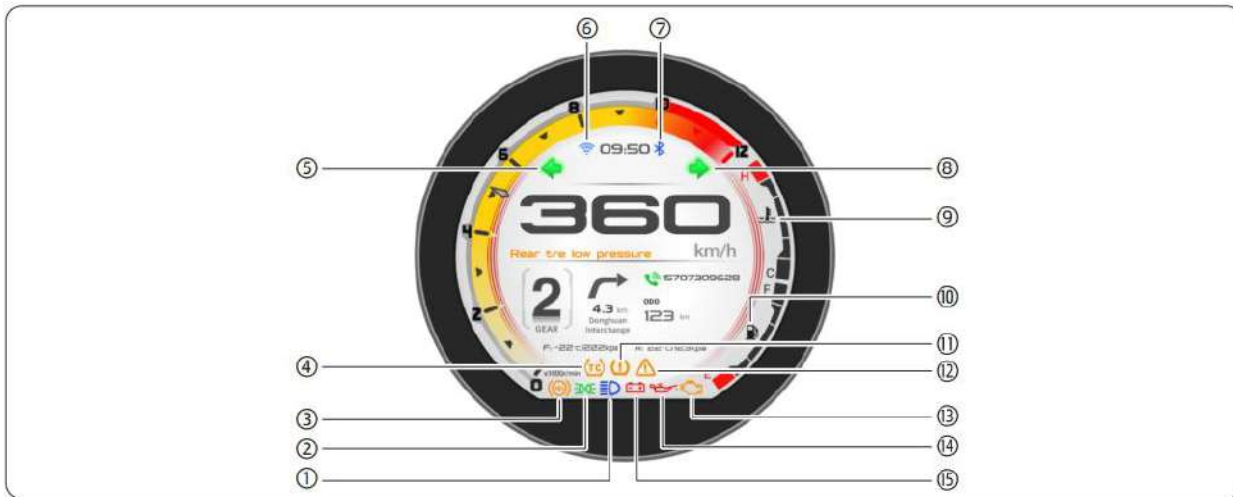
3.1. Location of body components



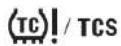















3.2. Instrument indicator light

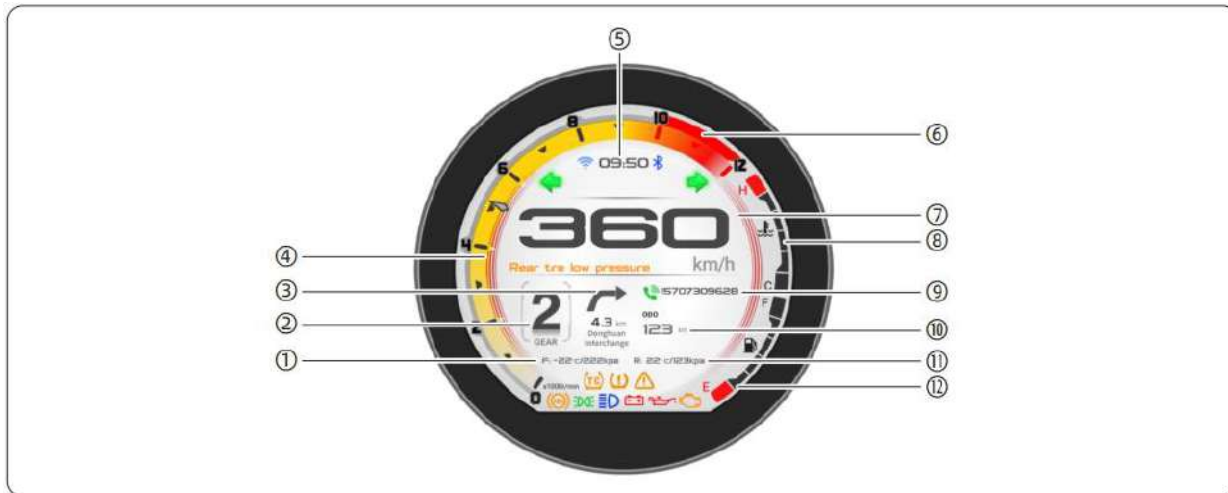


Serial number	Icon	Functions	Instruction
①		High beam indicator	The indicator light lights up when the high beam light is turned on
②		Contour indicator	When the outline marker lamp is turned on, the indicator lamp is on.
③		ABS alarm light	When the vehicle ABS system fails, the instrument displays the ABS alarm light.

Serial number	Icon	Functions	Instruction
④		TCS alarm light/ TCS indicator	TCS alarm light: when the traction control system of the vehicle fails, the instrument displays the TC alarm light; TCS indicator: TCS indicator is on by default, and can be turned off in the menu TCS option.
⑤		Left turn signal	After the left turn signal is turned on, the left turn indicator icon on the instrument panel lights up
⑥		WiFi indicator light	Display the WiFi icon after connecting the phone to the instrument panel
⑦		Bluetooth indicator	When the vehicle is connected to the user's device via Bluetooth, the instrument panel displays the BT connection indicator light
⑧		Right turn signal	When the right steering lamp is turned on, the right steering indicator icon of the instrument will light up.
⑨		Water temperature alarm light	In case of high water temperature of the vehicle engine, the instrument panel displays the water temperature alarm light
⑩		Oil quantity alarm light	In case of low oil level, short circuit or open circuit, the oil quantity alarm light in the lower right corner will illuminate.
⑪		Tire pressure warning light	If the tire pressure is lower than 220 kPa or higher than 270 kPa, the lower tire pressure alarm will be given
⑫		Vehicle fault lamp	When the whole vehicle has a fault, the fault lamp of the whole vehicle will be on.
⑬		Engine trouble light	When the system fails, the engine failure alarm is given.
⑭		Oil alarm light	In case of low engine oil pressure of the vehicle, the instrument panel displays the low engine oil pressure alarm light
⑮		Battery alarm light	When the voltage is ≥ 12.5 V, the indicator is off; when the voltage is ≤ 12.4 V, the battery level alarm is given.



3.3. Instrument interface



Serial number	Instruction	Serial number	Instruction
①	Temperature and pressure of front tires	⑦	Vehicle speed
②	Current vehicle gear status	⑧	Coolant temperature



Serial number	Instruction	Serial number	Instruction
③	Navigation information	⑨	Cell phone call instructions
④	Engine speed	⑩	Mileage
⑤	Time	⑪	Rear tire temperature and pressure
⑥	The red zone is the engine red zone speed, please do not stay here for a long time. Ride the vehicle at RPM.	⑫	Fuel tank capacity



3.4. Operating instructions of instrument

This vehicle is equipped with a TFT multi-function instrument. You can view and understand various information and status of the vehicle through the instrument interface. You can also use ENTER on the right handlebar.

(Confirm key) and SELECT (select key) for various settings and operations. The specific operation method is as follows.

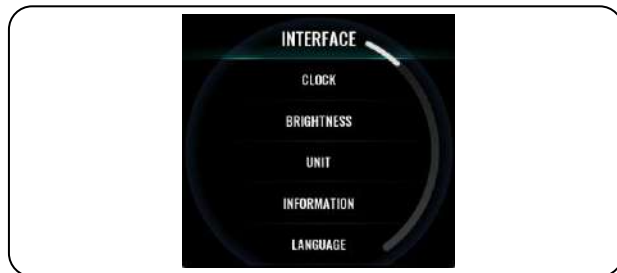
3.4.1. Vehicle function setting

3.4.1.1. Interface switching

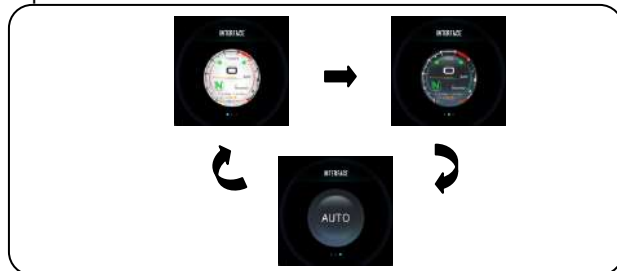
1. When the instrument main interface is displayed, short press ENTER to enter the instrument menu interface.



2. Short press SELECT to select the INTERFACE switch, and then short press ENTER to enter the item setting.



3. Short press SELECT to select between day, night, and auto (when auto is selected, the theme mode is automatically switched depending on the ambient brightness), then short press ENTER to confirm.



4. After setting, press ENTER to return to the previous menu.

3.4.1.2. CLOCK

1. When the instrument main interface is displayed, short press ENTER to enter the instrument menu interface.



2. Short press the SELECT key to select the CLOCK setting, then short press the ENTER key to enter the item setting.



3. When the cursor is in the hour position, briefly press the SELECT key to select the desired number of hours, then briefly press the ENTER key to confirm.



4. After the cursor has been switched to the minutes bit, select the minutes using the same method used to select the hours.



5. After setting, short press ENTER to return to the previous menu.



Attention

After entering the mobile phone interconnection screen and returning to the main interface, the time will be automatically synchronized with the network.

3.4.1.3 BRIGHTNESS

1. Short press ENTER key to enter the instrument menu interface when the main interface of the instrument is displayed.



2. Short press SELECT to select the BRIGHTNESS setting, and then short press ENTER to enter the item setting.



3. Short press SELECT to select between 5 brightness levels and AUTO (when AUTO is selected, the backlight brightness will be automatically switched according to the ambient brightness).



4. After setting, press ENTER to return to the previous menu.

3.4.1.4 UNIT

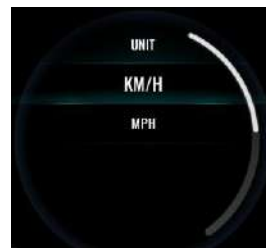
1. Short press ENTER key to enter the instrument menu interface when the main interface of the instrument is displayed.



2. Short press SELECT to select the UNIT setting, and then short press ENTER to enter the item setting.



3. Short press SELECT to select between KM/H and MPH.



4. After setting, press ENTER to return to the previous menu.



Attention

When the main interface of the instrument is displayed, press the SELECT key for a long time to switch between metric and English units.



3.4.1.5. Language

1. Short press ENTER key to enter the instrument menu interface when the main interface of the instrument is displayed.



2. Short press SELECT to select the LANGUAGE e setting, and then short press ENTER to enter the item setting.



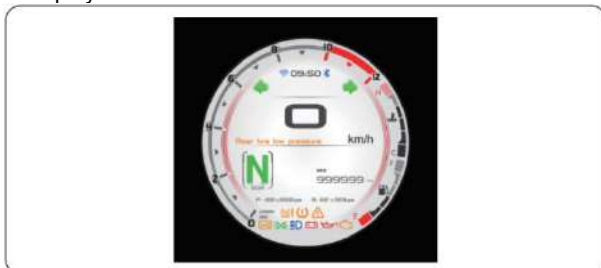
3. Short press SELECT to select the required language.



4. After setting, press ENTER to return to the previous menu.

3.4.1.6 Vehicle information

1. Short press ENTER key to enter the instrument menu interface when the main interface of the instrument is displayed.



2. Short press SELECT to select the vehicle INFORMATION, then short press ENTER to enter the project.



3. The current fault, historical fault, version number and MCU version information of the vehicle will be displayed here. Messages that do not exist are displayed as "--".



4. After viewing the information, briefly press ENTER to return to the previous menu.



EN

3.4.1.7. Bluetooth

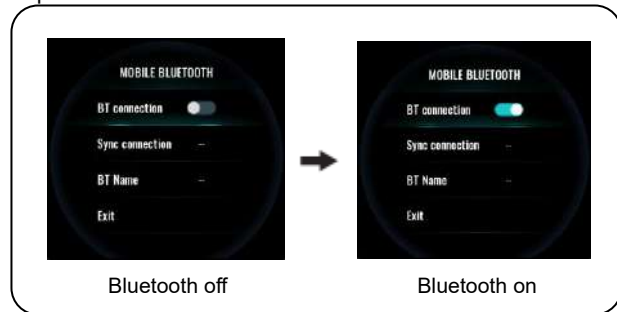
1. Short press ENTER key to enter the instrument menu interface when the main interface of the instrument is displayed.



2. Short press SELECT to select MOBILE BLUETOOTH settings, and then short press ENTER to enter item settings.



3. Short press SELECT to select the BT connection, then short press ENTER to turn on/off the Bluetooth connection.



- When the Bluetooth connection is on and the mobile device is connected, press the SELECT key to select the Sync connection, and then press the ENTER key to synchronize the contacts of the mobile device.



- After the setting is completed, short press SELECT to select exit, and then short press ENTER to return to the previous menu.

Attention

Bluetooth connection can only be connected to other devices when it is turned on.

The name of the vehicle used for Bluetooth pairing is displayed in the BT Name.

The same instrument can only be connected to one mobile phone at a time. To connect another mobile phone, disconnect the Bluetooth connection with the current mobile phone, and then connect another mobile phone.

3.4.1.8. TPMS

- When the instrument main interface is displayed, short press ENTER to enter the instrument menu interface.



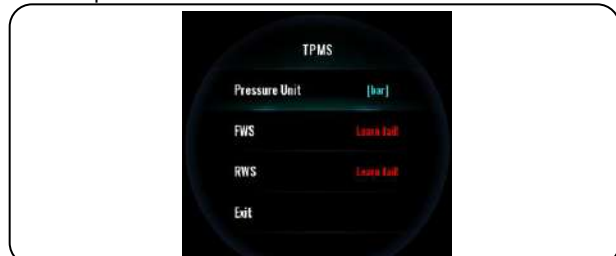
- Short press the SELECT key to select the TPMS, and then short press the ENTER key to enter the item setting.





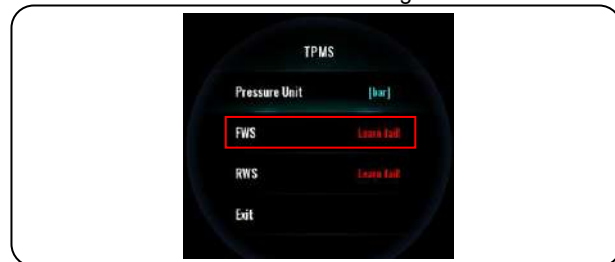
EN

3. Short press SELECT to select the Pressure Unit.



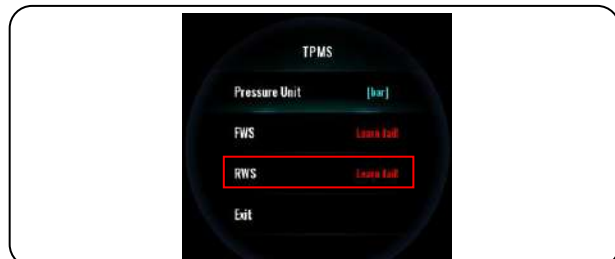
4. Briefly press ENTER to select between kPa, bar, and psi units.

5. After completing the unit setting, briefly press SELECT to select the front wheel sensor learning.

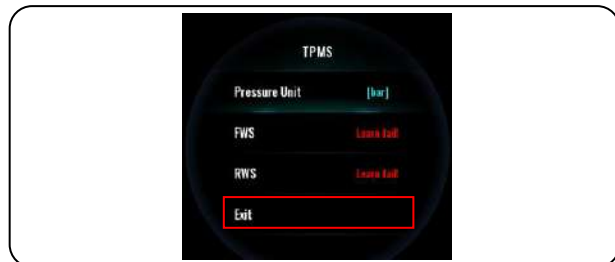


6. Short press ENTER to learn.

7. Short press SELECT to select RWS, then learn using the same method.



8. After the setting is completed, short press SELECT to select Exit, and then short press ENTER to return to the previous menu.



Attention

When the tire pressure is not learned, the relevant information will not be displayed on the main interface, and the tire pressure icon will not be displayed in the power-on self-test. In addition, only when both wheels are paired at the same time, the relevant information will be displayed on the main interface.



EN

3.4.1.9. TPMS (continued)

You can clear the learned wheel sensor data.

1. In the tire pressure setting interface, short press SELECT to select Exit, and then long press ENTER for about 3s to enter the rear door of tire pressure setting.
2. Short press SELECT to select FWS.
3. Press and hold ENTER for about 3s to clear the RWS data.
4. The RWS learning data is cleared in the same way as the FWS.
5. After the operation is completed, press ENTER to return to the previous menu.

3.4.1.11. TCS

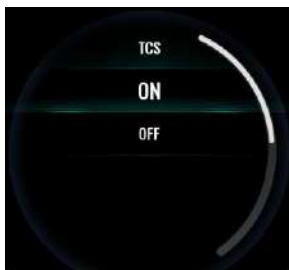
1. When the instrument main interface is displayed, short press ENTER to enter the instrument menu interface.



2. Short press SELECT to select the TCS setting, and then short press ENTER to enter the item setting.



3. Short press SELECT to select between ON and OFF.



4. After setting, press ENTER to return to the previous menu.



Attention

When the TCS function is turned off, the main interface will not display relevant information.

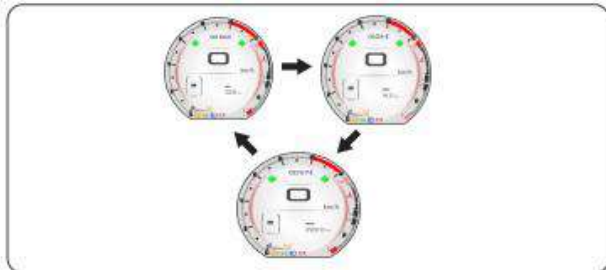
Press and hold the TCS function key on the right handlebar for 3s to switch on/off the TCS function.



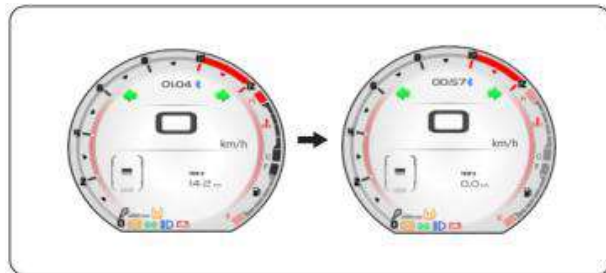
3.4.2. Other key operations

Mileage display switching and resetting

When the main interface of the instrument is displayed, press the SELECT key to switch the mileage display between ODO/Trip A/Trip B.



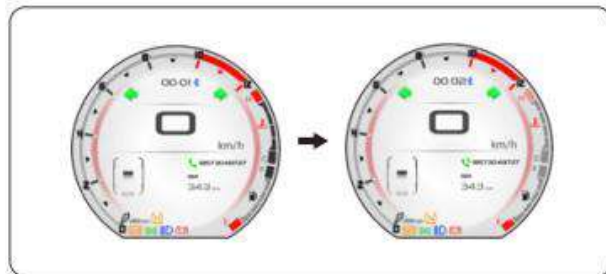
When TripA/TripB is displayed, press and hold SELECT to clear TripA/TripB.



Answer/hang up calls

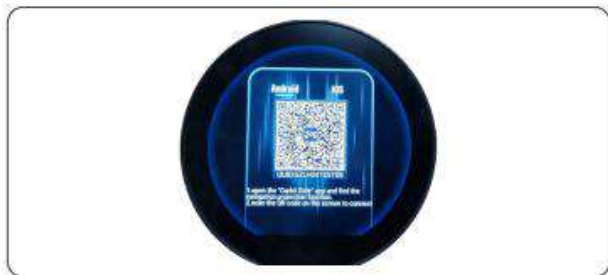
In the Bluetooth connection state, when an incoming call is received, press the SELECT key to answer the call, and press the ENTER key to hang up the call.

In the state of answering an incoming call, press ENTER for a short time to hang up.

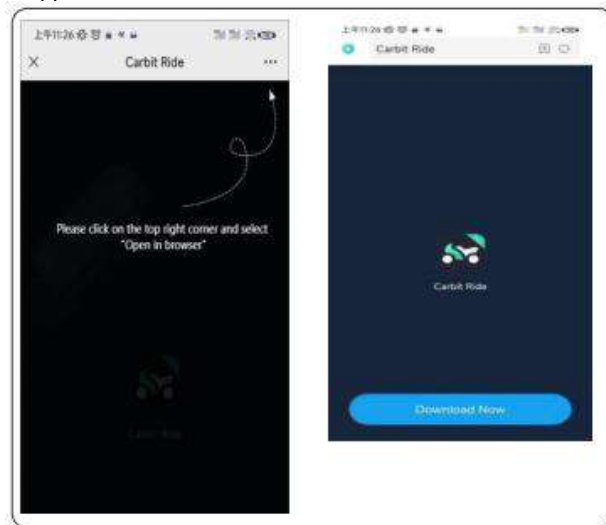


Mobile phone interconnection and projection

1. After the vehicle is started, press ENTER for a long time to enter the two-dimensional code interface.

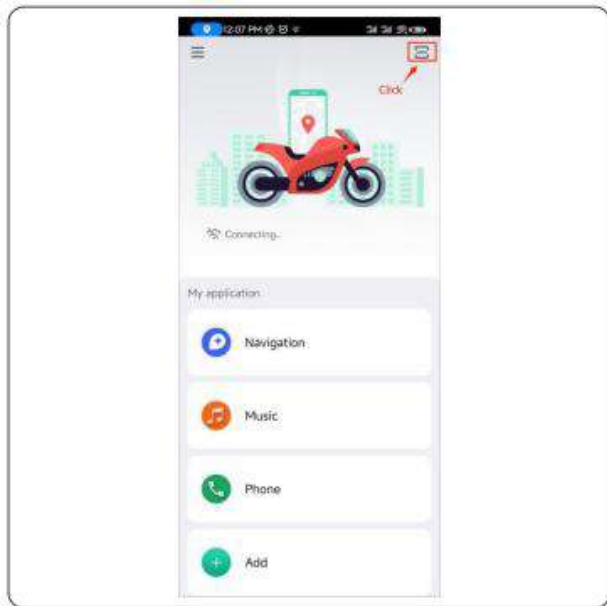


2. Use WeChat to scan the QR code to download the application.

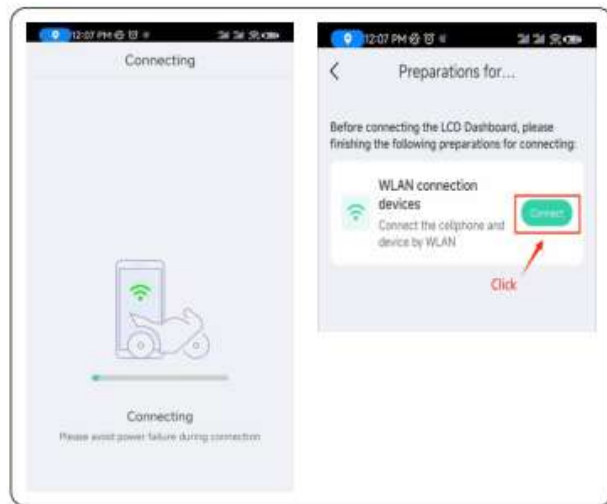




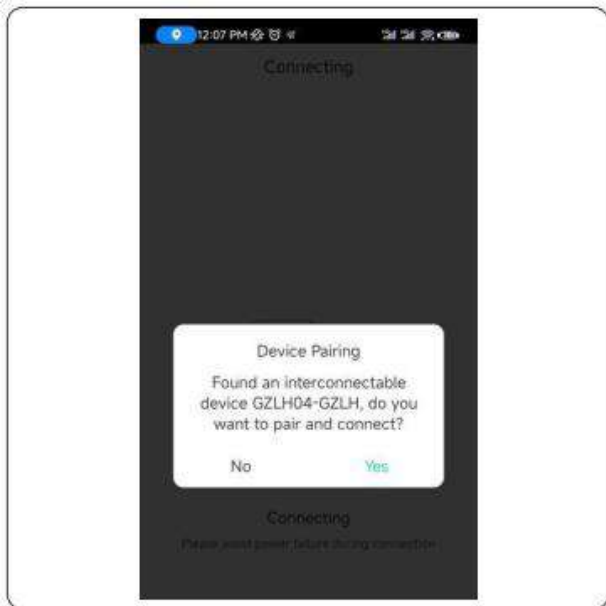
3. Open the application, click the scanning box in the upper right corner of the application, and scan the two-dimensional code displayed on the instrument screen.



4. Click "Connect" and wait for the connection with the instrument.



5. When prompted as shown below, click "Yes" to pair with the meter.









6. If the above prompt does not appear, start again from step 3.



3.5 Left handle combination switch

EN



Serial number	Name	Functional description
①	Turn signal light switch	<p>When the turn signal lamp switch "" or "" is pressed, the left or right turn signal lamp flashes. At the same time, the green steering indicator on the instrument panel flashes accordingly. To deactivate the turn signal, turn the turn signal switch to the middle or press down the switch.</p> <div data-bbox="385 305 618 414" style="background-color: black; color: white; padding: 5px; display: flex; align-items: center;">  Warning </div> <p>When changing lanes or turning, turn on your turn signal lamp and make sure there is no vehicle behind you. After changing lanes or turning, turn off the turn signal lamp in time to avoid affecting the normal running of other vehicles and avoid accidents.</p>
②	Horn button	Press the horn button and the horn will sound. Release the horn button and the horn will stop sounding.
③	Hazard warning light button	When the switch is turned to the "  " position, the left and right turn signals will flash at the same time to remind people of the danger.
④	Headlight high and low beam switch	Press the headlamp high and low beam switch to the "  " position, the headlamp high beam will turn on, and the high beam indicator on the instrument panel will also turn on; press the switch to the "  " position, and the headlamp low beam illuminates. When you drive in the urban area or there is another vehicle ahead, use the low beam to avoid affecting the reciprocal line of sight.
⑤	Overtaking lamp switch	When rendezvousing with other vehicle or overtaking, press this button continuously, the headlight will flash continuously to warn the vehicle ahead.



3.6 Right handle combination switch

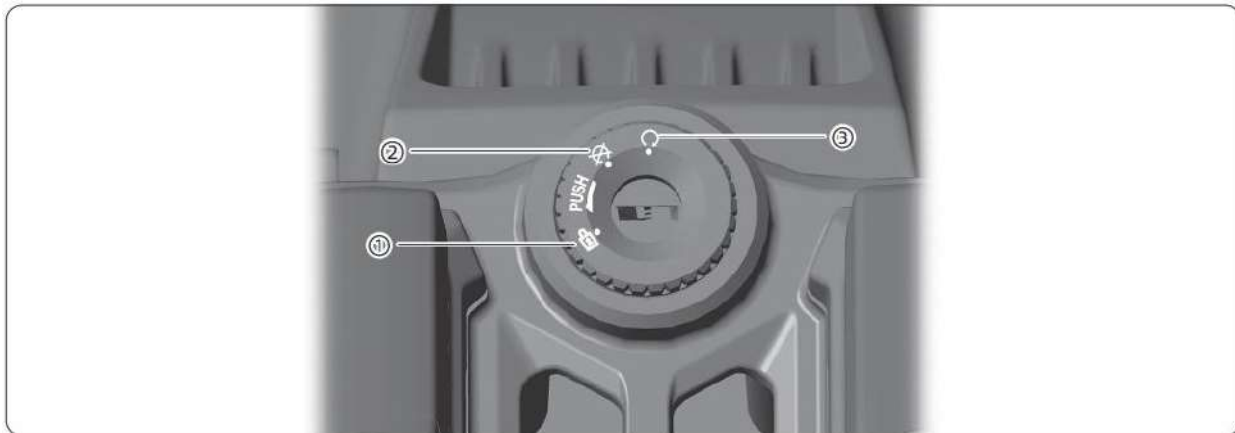


Serial number	Name	Functional description
①	Instrument adjustment button	The instrument adjustment button is located on the right handle switch of the vehicle. It can switch between total mileage and relative mileage, switch between kilometers and miles, and adjust the clock. For detailed operation, refer to "Instrument Operating Instructions" on page 16.
②	TCS switch	Press the "TCS" switch to control the opening and closing of TCS, and the status is displayed by the instrument.

Serial number	Name	Functional description
③	Start/Stop switch	<p>The engine can be started only when the switch is turned to the "⌚" position and the vehicle circuit is connected.</p> <p>When the switch is turned to the "⊗" position, the circuit of the whole vehicle is cut off and the engine cannot be started.</p>
④	Electric start button	<p>Make sure that the engine start/stop switch is turned to the "⌚" position, retract the side stand, shift the transmission to the neutral position, press the electric start button "⌚", and the electric motor runs to start the engine.</p>



3.7 Main power switch



Serial number	Name	Functional description
①	🔒 position	When the key is in the "🚫" marked position, turn the steering handle to the left, press the key downward and rotate it counterclockwise to the "🔒" position at the same time, the faucet lock extends out of the lock cylinder to lock the faucet, and the key can be taken out.
②	🚫 Mark	When the key is turned to the "🚫" marked position, the power supply is cut off, the engine cannot be started, and the key can be taken out.
③	🕒 Mark	The key turns to the "🕒" mark position, the power is on, the engine can be started, and the key cannot be taken out.

3.8. Vehicle ABS (anti-lock braking system)

This motorcycle is equipped with ABS (anti-lock braking system), which can prevent the tire from locking and prevent the brake from locking during emergency braking.

This system does not reduce the stopping distance. In some cases, the anti-lock braking system may result in longer braking distances.

When the vehicle speed is lower than 5 km/h, the instrument ABS fault light is on, and the anti-lock system does not work at this time.

It is normal that the front brake handle and the rear brake pedal may rebound when the anti-lock system is activated. Use the recommended front/rear tires and sprockets to ensure the operation of the anti-lock system.

3.9. Traction Control System

When the motorcycle is running on a slippery road, the driving wheel of the motorcycle without TCS function is easy to slip when accelerating, which may cause the motorcycle to flick its tail, making it difficult for the driver to control his balance and fall down.



The EMS EFI system relies on the ABS signal. When it detects that the speed of the driving wheel is greater than that of the non-driving wheel (which is the characteristic of slip), it will reduce the engine output torque by adjusting the ignition time and reducing the throttle opening, so that the wheels will no longer slip.



3.10. Vehicle start/stop

Vehicle start

Regardless of whether the engine is hot or cold, please follow the following steps to start the vehicle.


1. Verify that the engine start/stop switch is in the  position.
2. Insert the key into the keyhole and rotate to  position.
3. Confirm whether the engine gear is in neutral gear (N gear) and whether the instrument neutral gear indicator is on. If not, please adjust to neutral gear.
4. Retract the side stand, press the electric start button, and release the electric start button after the engine is started.
5. When the engine speed is stable, hold the clutch handle tightly and raise the engine to the first gear.
6. Turn on the left turn signal, observe the front and rear environment to meet the riding conditions, slowly release the clutch handle, and gently rotate the throttle handle.
7. After the vehicle enters the lane and runs normally, turn off the left turn signal.

Attention

If the engine fails to start within 5 seconds, please turn off the vehicle power supply and wait for 10 seconds. After the battery voltage is restored, repeat the previous operation to start the engine. It is prohibited to press the electric start button for a long time, which will cause the battery to lose power and damage the starter motor.

The engine and exhaust system components such as the silencer will be damaged if the engine is idling at high speed and rotating at high speed for a long time.

Vehicle parking

1. Turn on the right turn signal ahead of time, observe the side and rear vehicles and pedestrians, and judge whether the parking conditions are met.
2. Reduce the vehicle speed, and cooperate with the clutch handle to downshift the engine, release the accelerator handle and slowly hold the front brake handle or step down the rear brake pedal.
3. Park in a safe area after confirming safety.
4. After a steady stop, turn the start/stop switch to the "" position, and turn off the right steering lamp and the main power supply.
5. Open the side stand, get off from the left side of the vehicle, and use the side stand to stop on the flat and hard ground.

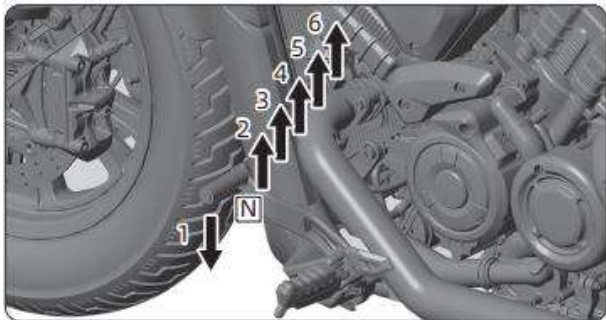


Attention

Do not park in an area that interferes with the driving or walking of others. Before leaving the vehicle, please ensure that the power supply of the vehicle has been turned off, and carry the key with you to avoid property damage caused by other people's operation of the vehicle.

3.11. Shift gears

There are 6 gears in this vehicle, and the shift method of pressing down the first gear and lifting up the fifth gear is adopted.

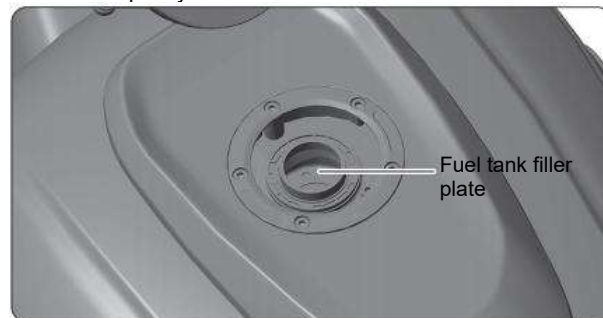


3.12. Refuel with gasoline

1. After stopping the vehicle and turning off the engine, open the dust cap of the fuel tank and open the fuel tank cap with the key.
2. Fill the gasoline until the gasoline level is flush with the fuel tank filler plate (maximum level position), as shown in the figure.
3. After refueling, close the fuel tank cap and press it tightly. After hearing a "click", gently lift it up to confirm that the fuel tank cap has been closed. Pull out the key and cover the dust cap of the fuel tank.

Fuel type: Please use unleaded gasoline. If the engine makes a slight knocking sound, it may be caused by the use of ordinary grade fuel and should be replaced.

Fuel tank capacity: 16 L



Hazard

Gasoline is flammable and explosive. Improper filling method may cause fire, resulting in property damage and casualties. In the process of refueling, the engine must be shut down and kept away from fire sources and sparks. In case of spillage, wipe immediately.



3.13. USB charging interface

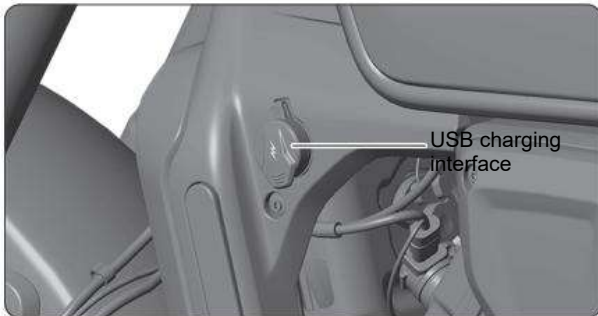
The USB charging interface is located on the left side of the front of the vehicle body as shown in the figure.

Use of USB devices is at your own discretion and risk. Under no circumstances will QJMOTOR be liable for any damage that occurs while using USB devices.

Only USB devices that meet the following specifications can be connected.

Charging interface: Type-A + Type-C

Single port: output power up to 18 W, dual port: total output power up to 20 W.



Warning

When connecting the USB device, do not affect the operation of the vehicle, so as to prevent the data line from interfering with the steering handle when the vehicle turns and interfering with the driving of the vehicle.



Attention

In order to prevent the battery from losing power, please ensure that the vehicle engine is running when the power is consumed.

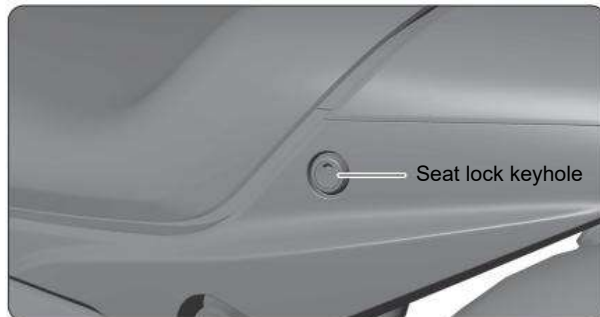
Do not let water or other sundries enter the USB charging interface.

Be sure to tighten all attached equipment, as vibration of the vehicle during operation may cause it to come loose or fall off, causing damage.

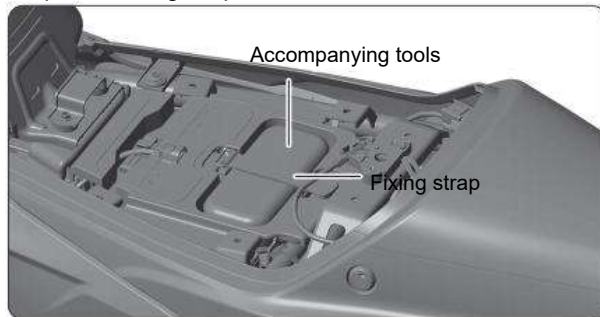
After use, please close the dust cover of the charging interface.

3.14. Accompanying tools

1. Insert the key into the seat cushion lock keyhole and open the driver's seat cushion.



2. Open the fixing strap and take out the tools.

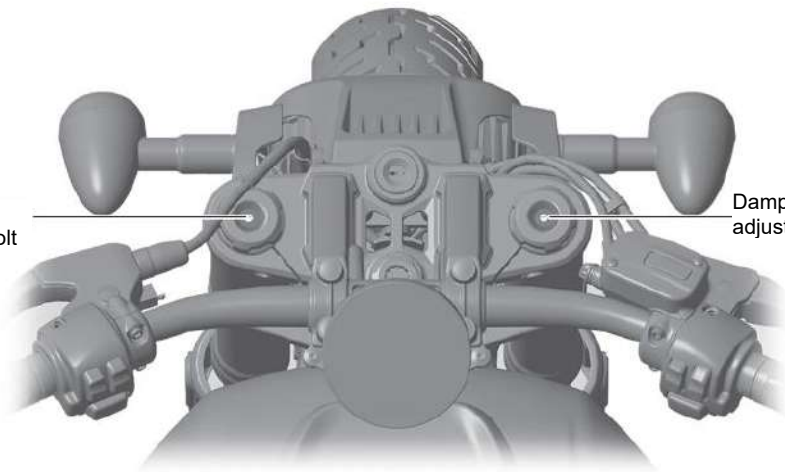




3.15. Damping value adjustment of front shock absorber

Damping value adjustment	Adjustment method	Get bigger	Get smaller	Limit value number of turns	Factory status
Left compression	Flat screwdriver	Clockwise	Counterclockwise	5.5	2.5
Right recovery	Flat screwdriver	Clockwise	Counterclockwise	5.5	3.5

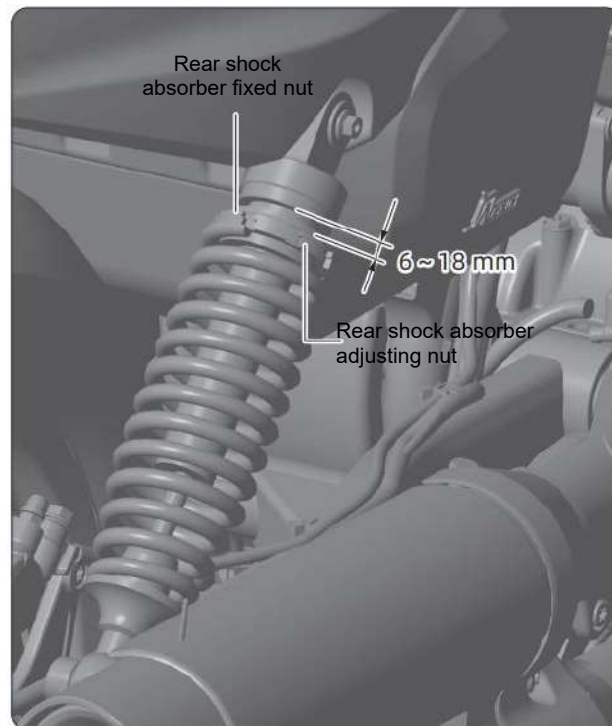
Damping adjustment bolt



Damping adjustment bolt

3.16. Rear shock absorber preload value adjustment

The preload value of the rear shock absorber can be adjusted by turning the rear shock absorber fixing nut and the rear shock absorber adjusting nut. The hardness of the rear shock absorber can be adjusted according to the picture on the right. Limit value of preload adjustment: the distance between the fixing nut of rear shock absorber and the upper seat of rear shock absorber shall be 6 ~ 18 mm.





3.17. Bluetooth receiver parameters

Equipment Catalog: General Micropower Equipment Class A Equipment

Bluetooth frequency band: 2402MHz ~ 2480MHz

Working temperature: -40 ~ + 85

Operating voltage: 3.3 V

Type of antenna used: FPC

Usage scenario: For motorcycle



Attention

It is not allowed to change the use scenario or conditions, expand the transmission

frequency range, increase the transmission power (including additional RF power amplifier), and change the transmission antenna without authorization.

It shall not cause harmful interference to other legitimate radio stations (stations), nor shall it propose protection against harmful interference.

Industrial, scientific, and medical applications subject to radiated radiofrequency energy (ISM) interference from the application equipment or other legitimate radio station (station).

In case of harmful interference to other legitimate radio stations, the use shall be stopped immediately and measures shall be taken to eliminate the interference before the use can be continued.

The use of micropower equipment in aircraft and in the electromagnetic environmental protection areas of radio observatories, meteorological radar stations, satellite earth stations (including TT & C, ranging, receiving and navigation stations), airports and other military and civil radio stations (stations) established in accordance with laws and regulations, relevant national regulations and standards shall comply with the provisions of the competent authorities of electromagnetic environmental protection and related industries.

It is forbidden to use all kinds of model remote controllers in the area with the center of the airport runway as the center and a radius of 5000 meters.

4.1. Maintenance instructions

4.1.1. Importance of maintenance

To ensure the safety and comfortable driving experience of vehicle users, please conduct regular inspections according to the instructions in the maintenance schedule based on the daily use of the vehicle. It is the owner's responsibility to conduct maintenance. Be sure to check before each ride and perform regular checks as described in the maintenance schedule.



Warning

Failure to carry out normal maintenance or correct troubleshooting before riding may cause accidents, resulting in injury or even death.

4.1.2. Maintenance safety

Please read the manual carefully before each maintenance to ensure that you have the corresponding tools and maintenance and inspection skills.

Please observe the following instructions during maintenance:

Turn off the engine and remove the key.

Erect the motorcycle on a flat and stable ground with a special motorcycle bracket.

Before maintenance, please confirm that the brake, silencer, engine and other heating parts are cooled before operation, otherwise it may cause burns.

If the engine needs to be started under special circumstances, it needs to be started in a well-ventilated place, otherwise it may cause poisoning.

Maintenance work should be carried out by professionals who are properly trained and equipped with relevant equipment and tools. It is not recommended that users complete maintenance by themselves.



4.2. Maintenance schedule

The following table shows the periodic maintenance time limit for the number of kilometers (km). At the end of each time limit, inspection, inspection, lubrication and specified maintenance must be carried out in accordance with the methods described. The steering gear system, support and wheel system are critical components requiring careful repair by skilled personnel. For the sake of safety, we recommend that you entrust QJMOTOR's service organization or service technician to check and repair.

I: Check, clean, adjust, lubricate or replace if necessary C: clean R: Replace A: Adjustment L: Lubrication

Maintenance items		Frequency	Maintenance mileage	Odometer reading (Note 2)				
		Remarks	1000 km	6000 km	12000 km	18000 km	24000 km	30000 km
*	Fuel line							
*	Throttle operation							
**	Air filter	Note 1			R		R	
**	Spark plug				R		R	
**	Valve clearance		Every 42000 km: I					
	Engine oil		R		R		R	
**	Oil filter		R		R		R	
**	Sperrdruck- / Quenchsystem							
*	Belt	Note 3		Every 1000 km: I, A				
	The disc brake pad is worn							
**	Brake system		I, A	I, A	I, A	I, A	I, A	I, A
	Brake switch							
	Clutch device							
	Sidestand							
	Brake fluid							

Maintenance items		Frequency	Maintenance mileage	Odometer reading (Note 2)				
		Remarks	1000 km	6000 km	12000 km	18000 km	24000 km	30000 km
*	Shock Absorber							
*	Nuts, bolts, fasteners	Note 3						
**	Tire	Note 3						
**	Steering gear							

* It must be repaired by QJMOTOR service organization: The vehicle owner shall provide qualified tools and vehicle inspection data, and the maintenance shall be carried out by the person holding the mechanic certificate. If the maintenance is carried out by himself, the maintenance manual shall also be referred to.

** For this project, the factory suggests that it should be repaired by QJMOTOR service organization for safety.

Note:

1. More maintenance should be done for driving in dusty areas. In particular, the maintenance cycle of the air filter needs to be shortened. The first maintenance is 1000 km, and the subsequent inspection, cleaning and cleaning are carried out every 6000 km.
2. If the odometer reading exceeds this value, repeat the schedule shown in this table for continuous inspection.
3. In order to maintain the good performance of the vehicle, it must be maintained frequently when driving on rough roads and other harsh conditions.



4.3. Storage battery

The battery equipped for this vehicle is a valve-regulated wet-load free battery. It is strictly prohibited to pry open the shell. The electrolyte does not need to be replenished before and during use. If the positive and negative battery terminals are dirty or corroded, clean the battery terminals. Do not remove the battery sealing cover. It is not necessary to remove the sealing cover during charging.



Attention

If the battery sealing cover strip is removed, the battery will be irreparably damaged. Improper handling of batteries is hazardous to human health and the environment. If the battery is scrapped, please hand it over to the designated dealer for recycling. Do not dispose of it privately.

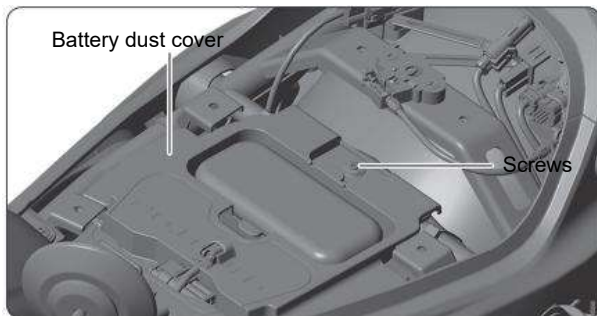
Read and observe the following precautions before use:

1. Check the terminal voltage of the battery when it is used for the first time. When the voltage is less than 12.6 V, it is necessary to charge: charging voltage 14.5 ± 0.02 V, charging limit current 11 A, charging until the current drops to 0.2 A (or charging with a special after-sales charger). If the temperature of the battery is higher than 45 during charging, stop charging immediately and charge again after the temperature drops.
2. The battery terminal is positive in red and negative in black. Turn off the power supply during wiring, connect the positive electrode first and then the negative electrode; remove the negative electrode first and then the positive electrode during disassembly.
3. Charging system inspection: after the vehicle is started, the battery voltage between 13.5 V and 14.7 V indicates that the charging system is normal.

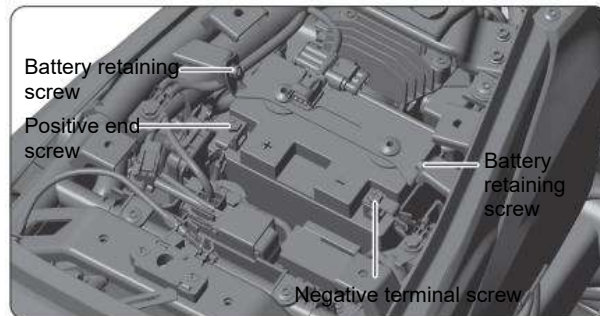
4. Leakage current detection of the whole vehicle: turn off the power supply of the whole vehicle, connect the positive or negative pole in series with the multimeter (current gear), the current is less than 3 mA, and the circuit of the whole vehicle is normal.
5. When the motorcycle is not used for a long time, it shall be recharged once a month, or the battery shall be removed and placed separately, and the voltage shall be tested once every three months. When the voltage is lower than 12.6 V, it shall be recharged. It is not allowed to store the battery in the state of lack of electricity.

Clean the positive and negative battery terminal

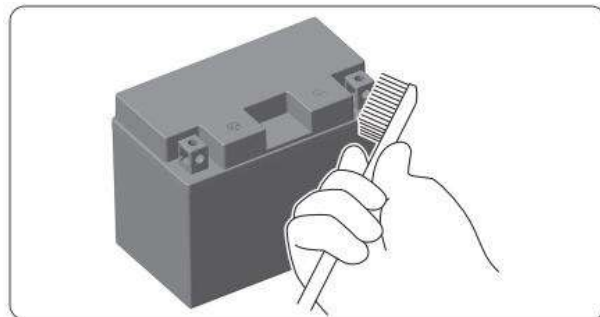
1. Turn off the power switch of the motorcycle.
2. Remove the driver seat cushion.
3. Remove the screws and remove the battery dust cover. (See next page)



1. Remove the battery retaining screws.
2. Remove the negative end (-) screw and then the positive end (+) screw.
3. Take out the battery gently and install the battery in the reverse order.



4. Clean and polish the positive and negative terminals with a wire brush or sandpaper.
5. After cleaning, assemble the battery and the driver's seat cushion as described above.





 Hazard

When reinstalling the battery, make sure that the battery leads are connected correctly. If the battery wires are connected reversely, the circuit system and the battery itself will be damaged. The red line must be connected to the positive terminal (+) and the black line must be connected to the negative terminal (-).
Be sure to turn off the power switch when checking or replacing the battery (Key).
The red harness is connected to the positive pole, and the black harness is connected to the negative pole.

Seek immediate medical attention if any of the following conditions occur:

Electrolyte splashes into the eye
Solution: Wash your eyes repeatedly with clean, cold water for at least 15 minutes.

Electrolyte splashed on skin
Solution: Remove contaminated clothing and wash skin immediately with clean, cold water.

The electrolyte enters the mouth
Solution: Rinse your mouth repeatedly with clean cold water.
Do not swallow.

 Warning

The battery will produce flammable and explosive hydrogen during daily use. Any

spark or spark can cause the battery to burn or explode, which can result in injury or even death.
The maintenance and inspection of the battery shall be completed by professional personnel. Please do not operate without permission.
The battery contains sulfuric acid (electrolyte), which is highly corrosive, so it is necessary to prevent the human body, clothes, vehicles, etc. From contacting the electrolyte. In case of contact, wash it with water immediately. In case of contact with eyes, wash it with plenty of water immediately and seek medical advice in time. Electrolyte contact with the skin or eyes may cause severe burns.
Electrolyte is a toxic substance, so beware of children playing with it. Please keep the battery in a safe place and keep it out of the reach of children.
During transportation, the storage battery shall not be subjected to strong mechanical impact and exposure to the sun and rain, and shall not be turned upside down.
In the process of disassembly and assembly, the battery should be handled with care to prevent throwing, rolling and heavy pressure.
It is strictly prohibited to remove the insulating protective cover of the positive and negative terminals of the battery.

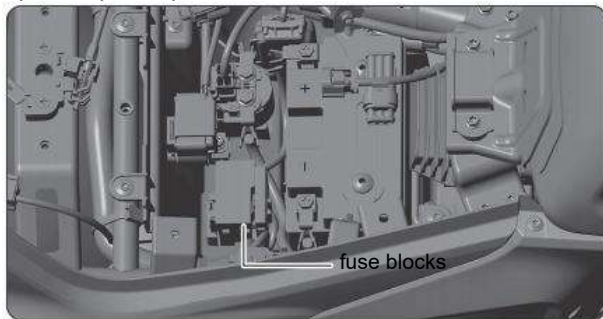
When replacing the battery, confirm the motorcycle model and verify whether it is consistent with the original battery model. The specification of the battery is considered to be the best match in the design of the motorcycle. If a different type of battery is used, it may affect the performance and life of the motorcycle, and may cause circuit failure.

Battery model: YTZ14S Voltage: 12 V Capacity: 11.2 Ah
The service life of the battery is limited. If the battery needs to be replaced, please go to the designated repair shop for replacement.

4.4. Fuses

The fuse can protect the circuit and parts on your motorcycle from being burned out by large current. If some parts of your motorcycle do not work, please check whether the vehicle fuse is blown.

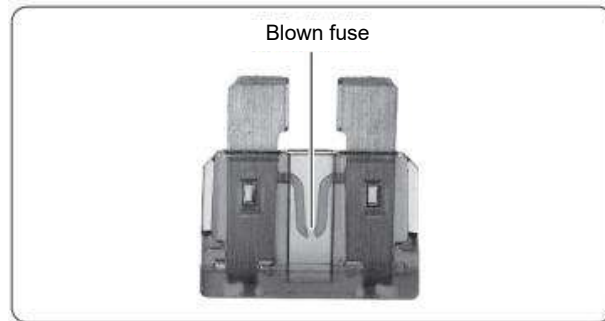
If the fuse is repeatedly blown, there may be a problem with other parts of the vehicle. Please send it to the designated repair shop for repair.



Check and replace the fuse

Power off the vehicle, remove and check the fuse. If the fuse is blown, replace it with a fuse of the same specification. See Specifications (page 9) for fuse specifications. The detailed steps are as follows:

1. Remove the driver seat cushion.
2. Open the fuse box cover.
3. Use the fuse puller to pull out the fuses one by one, find out the blown fuse, and replace it with a spare fuse of the same specification and model.



Attention

Replacing a fuse with a different specification from the original fuse will increase the probability of vehicle damage.

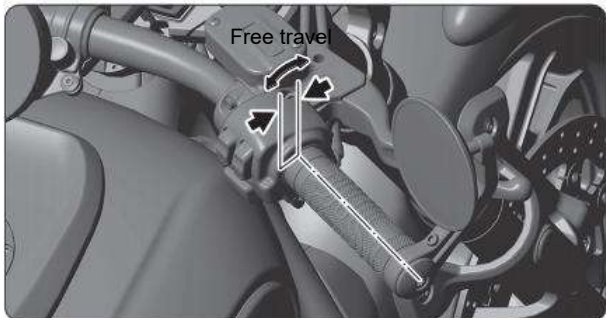


4.5. Throttle handle

Please turn off the engine first when checking the free stroke of the throttle handle. Turn the throttle handle, and make sure that all the steering handle positions can be smoothly turned from full close to full open, and rebound smoothly without jamming, and the free stroke is accurate.

If the operation of the throttle handle is not smooth, the free stroke is not within the standard value, or the throttle handle cable is damaged, please send it to the designated repair shop for repair and replacement in time.

Throttle handlebar free travel: 2-6 mm



4.6. Engine oil

4.6.1. Engine oil inspection

1. Place the vehicle vertically on a level, firm surface.
2. If the engine is cold, idle the engine for 3 to 5 minutes.
3. Turn off the engine and allow to stand for 2 to 3 minutes.
4. Check that the engine oil level is between the upper and lower level marks.

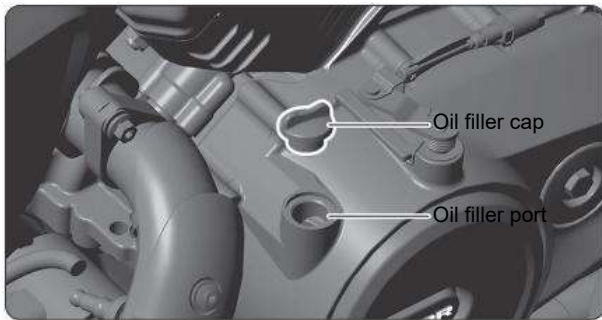


4.6.2. Add engine oil

If the engine oil is below or near the low level mark, add engine oil.

Engine oil type: SN 15W-50

1. Remove oil filler cap.
2. Fill a proper amount of engine oil that meets the model requirements, and check whether the oil volume is within a reasonable range after filling. Tighten the oil filler cap after confirmation.



If the engine oil is found to be deteriorated or needs to be replaced in the maintenance cycle, please go to the designated repair shop to replace the new oil.

Engine oil capacity: 3.1 L



Warning

The engine can be damaged by overfilling or underfilling. Do not mix different brands and grades of oil, which can affect engine performance.



Attention

Do not fill more oil than the upper oil level mark. After removing the oil dipstick, be careful not to allow foreign material to enter the engine. Discarded engine oil shall be handed over to the designated repair shop for unified disposal. Private disposal is prohibited.



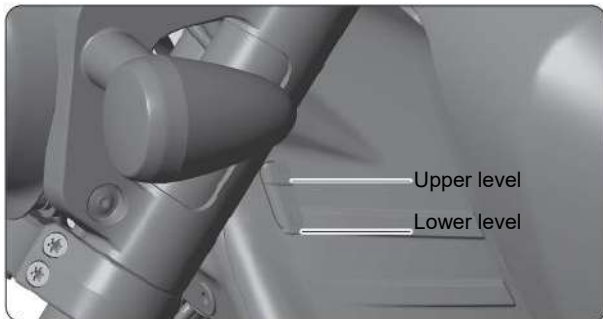
4.7. Coolant

4.7.1. Coolant inspection

Turn off the engine and check the coolant level in the reservoir when the engine temperature has cooled to room temperature.

1. Place the motorcycle on a flat, firm, level surface.
2. Keep the vehicle upright.
3. Check that the coolant level in the reservoir is between the upper and lower level marks.

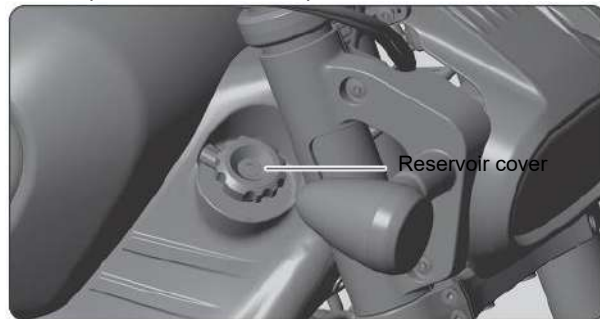
If the coolant level drops significantly or if there is no coolant, there may be a break in the cooling system. Please do not ride at this time, and send it to the designated repair shop for repair in time.



4.7.2. Coolant addition

Coolant type: glycol-based engine coolant. Use the original antifreeze coolant. The use of other coolant/mixtures that do not meet the requirements can cause damage to the engine. When the new vehicle leaves the factory, the coolant has been installed, and attention should be paid to the inspection of the coolant level in the expansion pot during maintenance. When the coolant becomes turbid or reaches the maintenance interval, please replace the coolant in time.

1. Remove the reservoir cap, add coolant and observe that the coolant level is between the upper and lower levels.
2. Replace the reservoir cap.





Warning

Do not open the reservoir cap until the engine has cooled to room temperature. Otherwise, high temperature gas or liquid will spray out and cause burns.

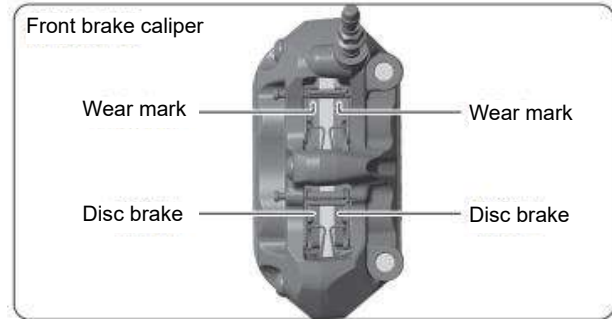


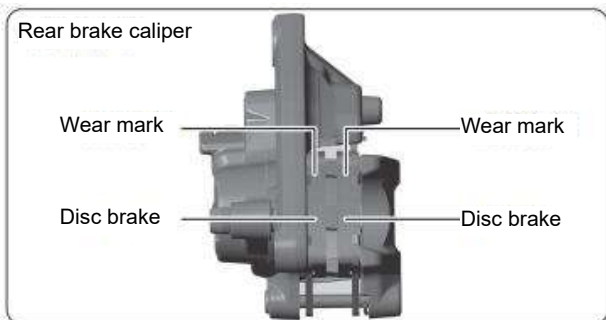
Attention


Do not fill above the upper level mark. Do not allow foreign objects to enter the coolant circulation system. Use the original antifreeze coolant. The use of other coolant that does not meet the requirements may cause damage to the engine.


4.8. Disc brake

Check the front and rear disc brake pads for wear, and observe whether the front and rear disc brake pads are worn to the bottom of the wear mark. If they are worn to the bottom of the wear mark, they need to be replaced with new disc brake pads.



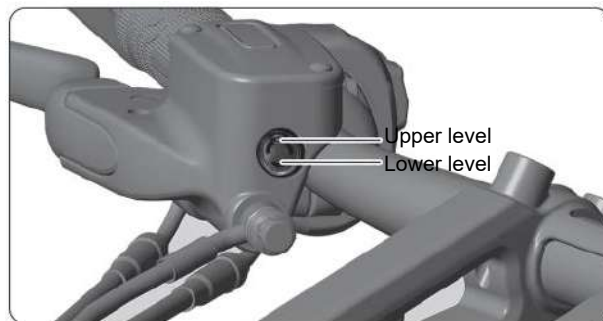


 **Hazard** If the disc brake pad is not replaced in time, the braking distance will be extended or ineffective, which may lead to accidents or injuries or even death. Be sure to replace the left and right disc brakes at the same time.

 **Attention** Always inspect all brakes and, if necessary, have them inspected by a designated service shop.

4.9. Brake fluid

1. Park the vehicle on a firm, level surface.
2. Check whether the brake fluid level in the front brake fluid upper pump is level and whether the level height is higher than the lower limit level mark.



3. Check that the brake fluid level in the rear brake fluid reservoir is level and above the lower level mark.



If any of the front and rear brake fluid is lower than the lower limit mark, please check whether the friction of the disc brake pad or the brake disc is excessive, the free stroke of the brake handle is excessive, and whether the brake system is damaged and leaks fluid. Please send it to the designated repair shop for repair and inspection in time.

Recommended brake fluid: DOT 4 brake fluid



Hazard

If the brake fluid is not replenished in time, the braking performance may decrease or even fail, resulting in serious casualties.



Warning

Brake fluid can damage plastic and painted surfaces. In case of spillage, wipe and clean immediately.

4.10. Belt and pulley

4.10.1. Check the belt

The belt must be checked regularly. If you often drive in bad road conditions or repeatedly accelerate and decelerate rapidly. More frequent belt inspections are required.

Check the belt for abnormalities such as breakage, breakage, foreign objects in the belt groove, or excessive wear. If the above problems occur, please stop riding immediately and send them to the designated repair shop for inspection and repair in time.

When you need to replace the belt and other accessories, it is recommended that you use the original accessories specified by QJMOTOR.



Attention

Belts shall be kept away from heat. Keep away from ozone generating devices. Keep away from volatile solvents or other chemicals to prevent corrosion of the belt. It is strictly prohibited to excessively bend, twist, reverse and bind the belt.

4.10.2. Belt tightness inspection

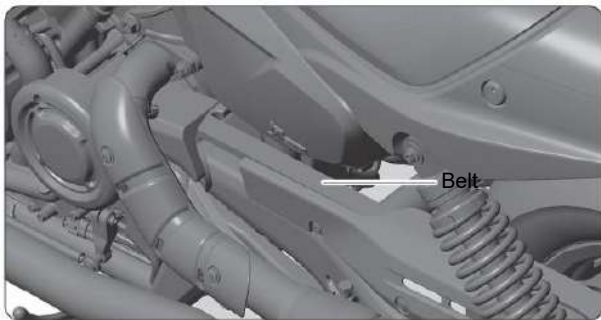
1. Park the vehicle on a flat and firm surface using a single brace.
2. Align the Sonic Belt Tension Tester sensor with the belt.
3. Tap the belt lightly with a screwdriver or other metal rod to measure and record the belt vibration frequency.
4. Rotate the rear wheel to measure the belt at different positions once, calculate the average value of the readings, and check whether the average frequency value is within the acceptable range.



Reasonable vibration frequency range of belt: 67-73 Hz

Warning

If the measured value is not within the acceptable range, please stop riding and send it to the designated repair shop for inspection and adjustment in time.
If the belt is too loose or too tight, it may cause abnormal transmission and bring hidden dangers to your personal safety. Please go to the designated repair shop regularly for inspection and adjustment.



4.10.3. Pulley inspection

Check the front and rear pulleys at the same time. Rotate the front and rear belt pulleys without shaking; the operation is stable, the sound is low, and the rotation is smooth. No abnormal vibration and sound. During startup and operation, the belt shall be free of slippage and belt hanging. There is no foreign matter or damage in the tooth clearance of the belt pulley.

Attention

Using a new belt on a worn pulley will accelerate the wear of the belt

4.11. Tire

4.11.1. Tire pressure inspection

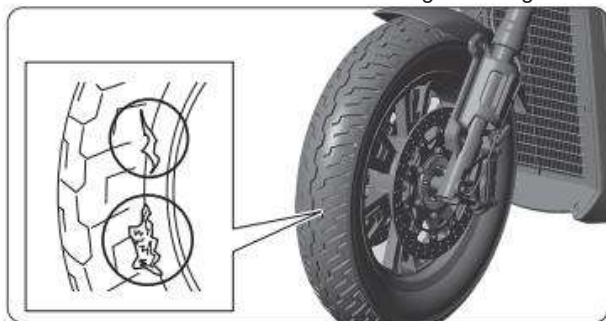
Use a barometer to measure the tire pressure at least once a month or whenever you feel the tire pressure is low. Please wait for the tire pressure to cool down to room temperature before measuring.

Tire pressure: front wheel 220 ± 10 kPa

Rear wheel 250 ± 10 kPa

4.11.2. Damage inspection

Inspect the tire for cuts, cracks, exposed fabric, tire threads, nails, or other foreign objects embedded in the side or tread of the tire. Also check the tire sidewall for bulges or bulges.



4.11.3. Inspection for abnormal wear

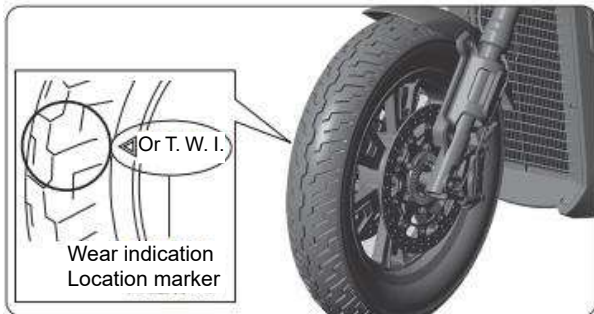
Check whether there is abnormal wear on the contact surface between the tire and the ground.





4.11.4. Tread depth inspection

Check the tread wear indicator. If the tire is worn to the indicator mark, replace the tire immediately.



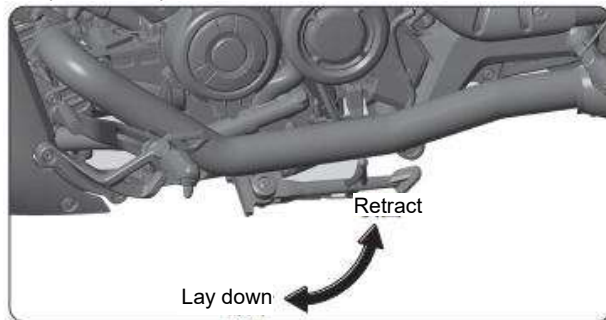
Hazard

The use of tires with excessive wear or substandard tire pressure can lead to traffic accidents, resulting in injury or even death. After replacing the new tire, you should go to the designated repair shop to re-calibrate the dynamic balance.

4.12. Side stand

The vehicle is equipped with the function of side stand flameout switch. When the engine is in neutral gear, the engine can start and run normally. If the vehicle is in a gear other than neutral, the engine cannot be started or will stall during operation when the side stand is lowered.

1. Check whether the side stand can be retracted and put down freely. Clean and lubricate the area of the rotating shaft if there is an abnormal sound or sticking during the operation of the side stand.
2. Check whether the side stand spring is damaged or loses its elastic performance.
3. Sit on the motorcycle, turn on the power supply of the vehicle, and withdraw the side stand.
4. Start the engine, shift the engine to the first gear, and then fully lower the side stand. When you put down the side stand, the engine should stop running immediately. If the engine does not stop running, please send it to the designated repair shop for repair and inspection.



**Hazard**

In the riding state, it is forbidden to put down the side stand. Otherwise, the vehicle will stall and lose power, which may cause serious injury or even death.

**Attention**

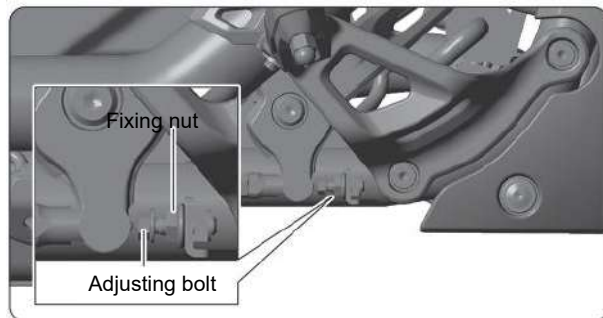
When the side stand is put down, the engine cannot be started when the engine is in a gear other than neutral gear.

4.13. Adjustment of free stroke of rear brake pedal

Check whether the free travel of the rear brake pedal is within the normal range.

Free travel of rear brake pedal: 5 mm-10 mm

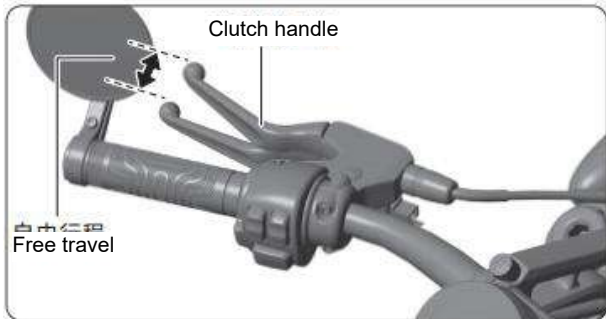
If the free stroke of the rear brake pedal is not within the acceptable range, please use a tool to loosen the fixing nut, rotate the adjusting bolt to adjust the free stroke of the rear brake pedal, and then tighten the fixing nut to make the free stroke of the rear brake pedal within the acceptable range.





4.14. Adjustment of free stroke of clutch handle

Check the free travel of the clutch handle: 10-20 mm
If the free travel is not within the specified range, please adjust it in time.



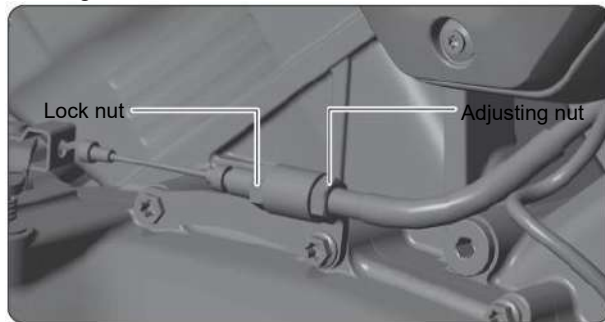
Attention

Free travel out of range may cause damage to the clutch.

Lower end adjustment:

If the free travel of the clutch lever is not within the specified range, please try to adjust the free travel of the clutch lever by adjusting the lower end.

1. Loosen the lower locknut and use a tool to rotate the lower adjusting nut until the free stroke of the clutch handle reaches the qualified free stroke.
2. Tighten the lower locknut.



4.15. Shock absorber inspection

Check the appearance of the front and rear shock absorbers for damage, cracks and other damages, and replace the parts if necessary.

Clean the dust and mud on the front and rear shock absorbers. Compress the front and rear shock absorbers downward, and check whether the front and rear shock absorbers rebound normally.



5. Troubleshooting



5.1. Unable to start engine

1. Check whether the ignition switch of the vehicle is started, and start the engine according to the starting steps in the instruction manual.
2. Check whether the oil tank is short of oil.
3. Check that the starter motor is working.
4. Check whether the battery is short of power or whether the terminal is in poor contact.
5. Check whether the fuse is blown.

If the problem still exists, please send it to the designated repair shop for inspection and repair in time.

5.2. Water temperature alarm light

1. Turn off the engine and allow the vehicle to stand still for a period of time. After the engine has cooled to room temperature, check that the fluid level in the refrigerant fluid reservoir is above the lower level mark. Check the coolant system for damage and leakage.
2. Restart the engine and check if the overheating condition is still present. Idle at high speed for a long time will cause the engine coolant to overheat.
3. Start the engine and, if safe to do so, check that the radiator fan is running. If it does not rotate or rotates abnormally, please shut down the engine and send it to the designated repair shop for inspection and repair.

If the problem still exists, please send it to the designated repair shop for inspection and repair in time.

5.3. Fuel alarm light

1. Check whether the oil in the oil tank is sufficient.
2. If the recent endurance mileage is seriously lower than the theoretical endurance mileage and the fuel consumption increases, the vehicle may be faulty. At this time, you should stop riding and immediately send it to the designated repair shop for inspection and repair.

5.4. ABS (anti-lock braking system) alarm light



In case of the following conditions, please stop riding and send the vehicle to the designated repair shop for inspection and repair immediately:

1. When the vehicle is powered on, the ABS indicator of the instrument is not on.
2. When the vehicle is running and the vehicle speed is greater than 5 km/h, the ABS alarm light will light up.

5.5. Tire pressure alarm light

In case of failure of tire pressure of the vehicle, the instrument displays the tire pressure alarm light. At this time, check whether the vehicle is punctured. If there is no punctured tire or the tire pressure alarm light is still on after the tire is repaired, please send it to the designated repair shop for repair. Operations such as tire repair and wheel removal require appropriate tools and maintenance skills. It is recommended that you send it to the designated repair shop for repair. If you use the tire repair kit for simple treatment, do not exceed 50 km/h after repairing the tire, and go to the designated repair shop to replace the tire as soon as possible.



Hazard

Driving a motorcycle with a temporary repair tire is a dangerous thing. If the temporary repair fails, the tire pressure will be reduced and the vehicle's maneuverability and safety will be affected. It is strongly recommended that you do not repair the tire by yourself, and send it to the designated repair shop in time after the tire puncture.

5.6. Low oil pressure alarm light

If the low oil pressure warning lamp is on, stop riding and turn off the engine. Do not start.

1. Check whether the engine oil level is within the normal range. If the engine oil level is lower than the lower limit oil level mark of the oil dipstick, please add engine oil in time.
2. If the low oil pressure alarm light is still on after adding oil, please do not ride and send it to the designated repair shop for inspection and repair in time.



Attention

Driving a motorcycle with low oil consumption will seriously damage the engine.

5.7. Battery power loss

When the battery runs out of power, remove it from the motorcycle and charge it. Please use the charger corresponding to the model to charge. If the charger does not meet the model, it will cause permanent damage to the battery. If the battery is still short of power after charging, please send it to the designated repair shop for inspection and repair.

5.8. Damaged body light

All lighting systems of the vehicle body are led lights. If any light source is not on or damaged, please go to the designated repair shop for replacement.

6. Other Information



6.1. Motorcycle maintenance

6.1.1. Vehicle cleaning

Keeping the appearance of the vehicle clean regularly can not only keep the vehicle in good condition, but also find the faults that are easy to ignore at ordinary times, which helps to prolong the service life of the vehicle.

1. Wait for the engine, radiator, silencer, front and rear brakes and other high-temperature parts to cool to room temperature before cleaning.
2. If necessary, remove dirt with a sponge or soft towel dipped in a soft cleaner. Use extreme care when cleaning headlight lenses, panels, and other plastic components to prevent scratching the surfaces and to prevent water from entering electrical components and air filters.
3. After washing the surface of the vehicle, wipe it clean with a clean soft cloth.
4. Wax the plastic appearance to prevent corrosion.



Attention

It is forbidden to use high-pressure water gun for cleaning.

Do not flush the silencer with water to prevent water from entering the silencer.

After cleaning, use the front and rear brakes intermittently at low vehicle speeds to help dry the brakes quickly.

Do not flush the air filter directly with water, which will cause water to enter the engine and damage the engine.

Do not wash the underside of the seat cushion directly with water, as this may result in a short circuit of the electrical components.

Do not apply wax to tires, brakes, and matte finish.

Wash the vehicle with cold water immediately after driving on a road with high salt fog or near the sea. Do not use warm water to wash, otherwise it will accelerate the chemical reaction of salt and accelerate corrosion.

6.1.2. Vehicle storage

If you leave your motorcycle outdoors, you should consider using a full-body motorcycle shield.

If you do not drive the vehicle for an extended period of time, follow these guidelines:

1. Lubricate the drive chain regularly.
2. Clean the motorcycle and wax all paint finishes.
3. Place the motorcycle on the lifting tool and cushion it with a wooden block so that both tires are off the ground at the same time.
4. When it rains, remove the body cover and dry the motorcycle.
5. Remove the battery to prevent the battery from losing power.

After a long period of storage, check all items in the maintenance schedule before driving again.

6.1.3. Vehicle transport

If you need to transport your vehicle, you should use a vehicle-specific trailer, or a flatbed van or trailer with a loading platform, lifting platform, and lashing straps. When the vehicle is being towed, the wheels must not touch the ground.



Warning

Forcibly dragging the motorcycle will cause damage to the transmission parts of the vehicle.

6.2. Environmental protection

6.2.1. Use of environmentally friendly cleaning agents

A biodegradable stain remover is recommended when washing the vehicle. Avoid detergents containing chlorofluorocarbons, which can damage the ozone layer in the atmosphere.

6.2.2. Disposal of waste

In order to protect the natural environment (atmosphere, water and soil) on which we live, we should consciously abide by the following actions:

1. Wash the car in a special car washing place to prevent oily sewage from being directly discharged into the soil;
2. Do not discard the following wastes as ordinary garbage at will. They should be handed over to designated repair shops, and then they should be handed over to qualified waste disposal centers for disposal.

Discarded items include:

Engine oil, oily rags, gloves, waste parts (tires, cables, bearings, gears, etc.);

Empty cans of damping fluid, brake fluid, rust remover, carburetor cleaner, brake system cleaner, self-spray paint, etc.;

Waste liquid such as brake fluid shall not be dumped anywhere, and shall be handed over to the designated repair shop for unified treatment;

Waste batteries should not be discarded at will, and should be handed over to the designated repair shop for unified disposal.



6.3. Silencer catalytic converter

Three-way catalytic converter is the most important purification device installed in the motorcycle exhaust system. When the high-temperature tail gas of the motorcycle passes through the purifying device, the purifying agent in the three-way catalytic converter enhances the activity of the three gases of carbon monoxide, hydrocarbon and nitrogen oxide, and promotes the three gases to carry out a certain oxidation-reduction reaction, wherein the carbon monoxide is oxidized into colorless and nontoxic carbon dioxide gas at high temperature, the hydrocarbon is oxidized into water and carbon dioxide at high temperature, and the hydrocarbon is oxidized into water and carbon dioxide at high temperature; Nitrogen oxides are reduced to nitrogen and oxygen. The three harmful gases are changed into harmless gases, so that the tail gas of the motorcycle can be purified. A faulty catalytic converter can cause exhaust gas conversion failure and impair engine performance. When replacing a silencer, always use a genuine QJMOTOR silencer.

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