QJMOTOR

ALWAYS FORWARD

OWNER'S MANUAL

STREET CRUISER

SRV-700

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SRV 700
USER MANUAL

Details described or illustrated in this booklet may differ from the vehicle's actual specification as purchased, the accessories fitted or the national-market specification. No claims will be asserted as a result of such discrepancies.
Dimensions, weights, fuel consumption and performance data are quoted to the customary tolerances.
The right to modify designs, equipment and accessories is reserved. Errors and omissions excepted.

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Foreword

Thank you for choosing the QJMOTOR SRV 700 EFI two-wheeled motorcycle. This model of motorcycle is produced based on the worldwide advanced technology and will provide you with extremely happy and safe riding.

Riding a motorcycle is one of the most exciting sports. Before riding, you should be fully familiar with the regulations and requirements specified in this manual and follow them.

This manual describes the routine repair and maintenance of motorcycles. Following the instructions in this manual will ensure your motorcycle's maximum performance and durability.

The Company has specialized service technicians and service departments, which can provide you with excellent technical repair services.

QJmotor Co., Ltd. will be in persistent pursuit of "making consumers more satisfied". Please understand that any modification of the motorcycle exterior and structure will result in the mismatch of some information between this instruction and actual motorcycles due to the continuous improvement of product quality and performance by QJmotor Co., Ltd. The illustrations in this manual are for reference only. Detailed information is subject to the final product.

Important precautions

1. Drivers and passengers
This motorcycle is designed to be used by only one driver and one passenger.

2. Road conditions for driving
This motorcycle is designed to ride on the road.

3. Please read this manual carefully. Careful and patient running-in of a new motorcycle enables the motorcycle to run stably at the excellent performance.

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Please pay attention to the critical safety information in a variety of forms, including:

Warning	It indicates that failure to follow the instructions may result in severe personal injury or even death.
Caution	It indicates that failure to follow the instructions may result in personal injury or equipment damage.
Notice	Information to help you better use your motorcycle.

This manual should be considered a permanent document of the motorcycle. Even when transferring the motorcycle to others, please hand this manual over to the new owner.

Special engine oil should be used for the lubricating parts of this motorcycle.

Special remarks

The fuse is located: under the driver seat.
A blown fuse is generally caused by a fault in the internal circuit of the motorcycle. Before replacing the fuse, you should determine the condition of the whole motorcycle. If it is still blown after the spare fuse is replaced, you should immediately send the motorcycle to the QJMOTOR Service Center for check. You can ride it only after troubleshooting.

Precautions:

- When installing or replacing the battery for the first time, pay attention to the positive and negative terminals. If there is a reverse connection, check whether the fuse is in good condition. However, you should send it to the service center for inspections regardless of whether the fuse is in good condition to prevent some electrical components from being damaged due to reverse connection of the battery. If the damaged components continue to work, some unpredictable failures may be caused.

- Before replacing the fuse, turn the key to the "⊗" position to prevent an accidental short circuit;
- Do not damage the fuse holder when replacing the fuse. Otherwise, poor contact, damage to components or even fire accidents will occur.

Energy saving and environmental protection: The used oil, coolant, gasoline and some cleaning solvents contain toxic substances. Do not discharge them randomly, which should be placed in special sealed containers and sent to the recycling center or local environmental protection service. Do not discard randomly or disassemble any waste batteries without permission. They should be recycled and disposed of by the Service Center, or a department with relevant professional disposal qualifications for safe recovery and disposal. Waste motorcycles should be sent to the local specialized dismantling and recycling institutions for classification and recycling.

No modification: Do not modify the motorcycle or change the location of the original parts arbitrarily. Arbitrary modification will seriously affect the stability and safety of the motorcycle and may cause the motorcycle to fail to work properly. At the same time, according to the local road traffic safety laws, no unit or individual may assemble a motor vehicle or arbitrarily change its registered construction, structure or characteristics. The QJMOTOR will not bear any quality problems and consequences (including loss of warranty) caused by the user's modification without permission or replacement of unauthorized parts and components. Users are requested to comply with the traffic management department's regulations on the use of motorcycles.

Warm reminder: after you buy a motorcycle, please equip it with a motorcycle driving helmet that meets the national standards.

⚠ ***Warning***
The motorcycle must be equipped with a fuse that meets the requirements before you drive safely. It is not allowed to use specifications other than those required, and it is also prohibited to directly tie or replace it with other conductive objects; otherwise, it will cause damage to other parts and result in fire accidents in serious cases.

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Motorcycle Safety

Safe driving rules

1. You must inspect the motorcycle before driving to avoid accidents and damage to the parts.
2. The driver must pass the examination of the traffic management department and obtain a driver's license before driving. It is not allowed to lend the motorcycle to a person without a driver's license or a driving qualification.
3. To protect against other motor vehicles, the driver must be as conspicuous as possible. For this purpose, please:
   - wear distinctive and noticeable tight clothes;
   - do not get too close to other motor vehicles.
4. Strictly abide by the traffic rules, and do not rush for roads.
5. Do not exceed the maximum speed limit of the road section to prevent accidents due to overspeed. Strictly abide by the traffic rules.
6. Turn on the turn signal light in advance when turning or changing the lane to attract the attention of others.
7. Be careful at intersections, entrances, and exits of parking lots and on fast lanes.
8. Refitting the motorcycle or removing the genuine parts without permission will not guarantee driving safety, and is not in compliance with the regulations, which will affect the motorcycle’s warranty.
9. The configured accessories must not affect the motorcycle's riding safety and handling performance, especially the overload of the electrical system which can easily cause danger.
10. Do not tow another vehicle. Towing another vehicle with a motorcycle can make the tires overloaded, damaged and failed, reduce braking performance, and adversely affect stability and maneuverability of the motorcycle, potentially resulting in death or serious injuries. Towing a faulty motorcycle can adversely affect the stability and maneuverability of the motorcycle, potentially resulting in death or serious injuries.
11. Do not add a sidecar. Riding a motorcycle with a sidecar can cause the motorcycle out of control, resulting in death or serious injuries.

12. Do not overload the motorcycle when riding. Overloading can cause failure of parts and components and seriously affect stability, maneuverability and performance, possibly resulting in death or serious injuries.

Protective clothing

1. For personal safety, drivers must wear safety helmets, goggles, riding boots, gloves and protective clothing. Passengers also need to wear safety helmets.
2. During driving, the exhaust system will become hot. Never touch a hot exhaust system.
3. Do not wear loose clothing that may be trapped by the control lever, footrest or wheels while riding.

Wearing a safety helmet

A helmet that meets the safety and quality standards is the priority for riding with protection equipment. The worst traffic accident is a head injury. Please always wear a safety helmet and preferably protective glasses.

Precautions for riding on rainy days

Pay special attention to the longer braking distance due to wet and slippery roads on rainy days. Please avoid paint, manhole covers, and greasy roads when riding to prevent slipping. Be careful when passing through railway crossings, iron gates, and bridges. Please slow down when you cannot judge the road conditions.

Motorcycle's Series Number

The vehicle identification number and the engine number are used for registering motorcycles. When ordering accessories or requiring special services, you can obtain better services provided by the Service Center using these numbers.
Please record these numbers for reference.
(A) The vehicle identification number is stamped on right side of the head tube**.**
(B) The product label is riveted on the left side of the head tube.
(C) The engine number is engraved on the lower part of the left crankcase.

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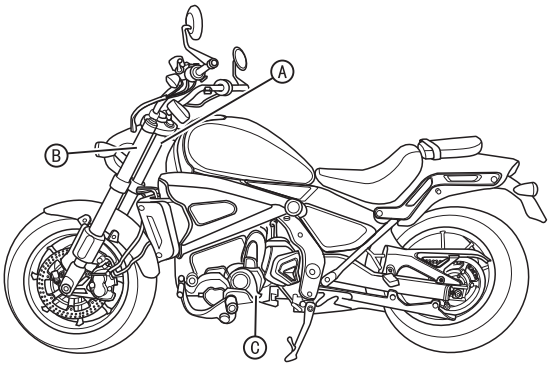
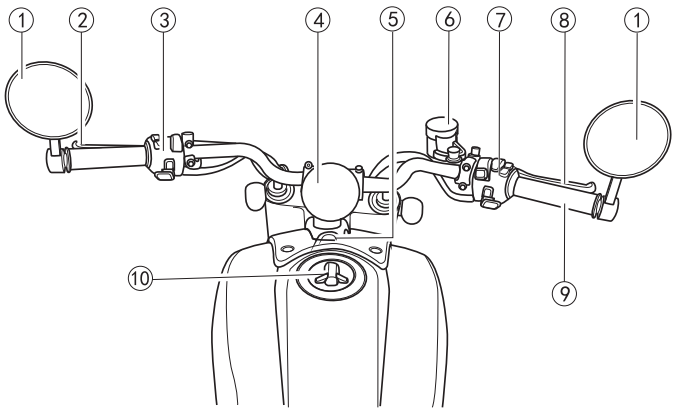


Vehicle identification number:	
Engine number:	

Part Name



① Left/right rearview mirror
② Clutch lever
③ Left handlebar switch
④ Instrument panel
⑤ Ignition switch
⑥ Front brake reservoir
⑦ Right handlebar switch
⑧ Front brake lever
⑨ Accelerator grip
⑩ Fuel tank cap

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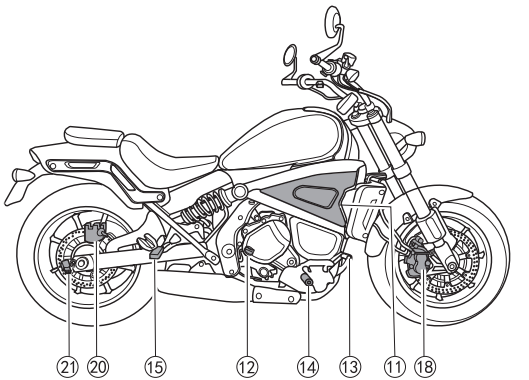
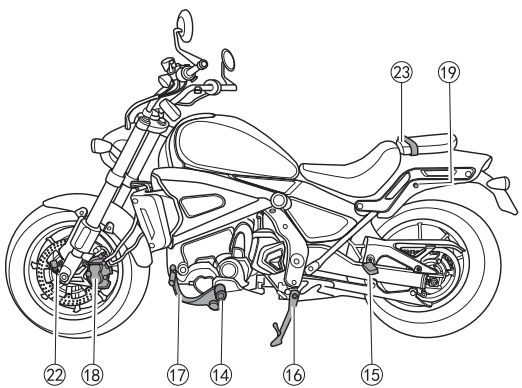


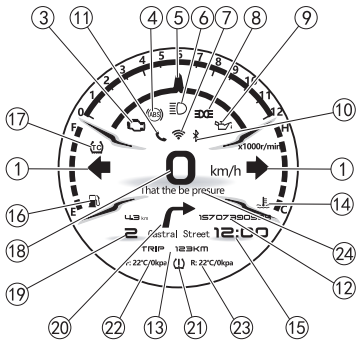


⑪ Rear brake fluid reservoir (inside of guard)
⑫ Oil filler
⑬ Rear brake pedal
⑭ Driver footrest
⑮ Passenger footrest
⑯ Side stand
⑰ Shift lever
⑱ Front brake
⑲ Driver seat lock hole
⑳ Rear brake
㉑ Rear wheel ABS wheel speed sensor
㉒ Front wheel ABS wheel speed sensor
㉓ Passenger armrest (pulling strap)

Notice

This motorcycle is equipped with the optional belt drive or chain drive. The above figures are for reference only. Details information is subject to the final product.

Instrument panel



The instrument panel of this model can be set to daytime or night interface mode or automatic mode (the instrument panel automatically switches to daytime or night interface when it senses ambient light conditions).

① Left turn signal indicator light

When you move the turn signal light switch to the left, the left turn signal indicator light will flash accordingly.

② Right turn signal indicator light

When you move the turn signal switch to the right, the right turn signal lamp indicator light will flash accordingly.

③ Engine malfunction indicator light

When the ignition switch is turned on, the indicator light comes on, and the fuel pump works for 3 seconds. Now you can start the motorcycle. If the indicator light goes off after the motorcycle is started, the motorcycle is normal, and there is no fault; if the indicator light comes on, there is a fault. Similarly, the motorcycle is running normally if the indicator light is off during driving. If the light is on, the motorcycle has a fault and needs to be stopped for inspection. Please contact the QJMOTOR Service Center or Maintenance Department to check the motorcycle in time.

④ ABS indicator light：

It indicates the working condition of ABS. Please refer to the “ABS maintenance instructions” described below for details.

⑤ Tachometer

It indicates the engine speed.

⑥ High beam indicator light

When the high beam headlight is turned on, the high beam indicator light will be on.

⑦ WIFI indicator light

When an Android mobile phone is successfully paired with the instrument panel by setting a hotspot

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account and a password (only 5G frequency bands are supported) or an iPhone is successfully paired by connecting the instrument panel WIFI, the WIFI indicator light illuminates in blue. See the “Mobile phone wireless projection function” below for details.

⑧ Front position light indicator light

When the front position light is on, the front position light indicator light on the instrument panel will come on.

⑨ Engine oil indicator light

When the engine is not started after the ignition switch is turned on, the oil indicator light is always on; if the oil pressure is normal after the engine is started, the oil indicator light will go out. If the oil indicator light is not off, the oil pressure may be abnormal and the engine should be shut down for inspection; when the engine oil is low, the oil indicator light will come on. Please add the oil in time.

⑩ Bluetooth indicator light

Shortly press the “ENTER” button for confirmation on the “Instrument panel adjustment button” of the left handlebar to enter the instrument panel to select the main menu page. By selecting “Bluetooth connection”, you can turn on or off the Bluetooth. The Bluetooth icon in the instrument panel will be normally on when the mobile phone Bluetooth is successfully paired and connected. After the instrument panel is connected with the mobile phone Bluetooth, the instrument panel may display the interface of incoming call/outgoing call. You can answer or hang up by pressing the “SELECT” button or the “ENTER” button.

⑪ Incoming/outgoing call display

After the instrument panel is connected to the Bluetooth of the mobile phone, the incoming/outgoing calls will be displayed.

⑫ Telephone information display

After the instrument panel is connected to the Bluetooth of the mobile phone, if there is an incoming/outgoing call, the phone number or contact information will be displayed.

⑬ Odometer

Depending on your needs, you can choose TRIP (TRIP A or TRIP B) or TOTAL on the odometer.

The TRIP 1 or TRIP 2 is an odometer which can be cleared and record the mileage of a trip driven over a period of time.

The TOTAL records the total mileage traveled in kilometers or miles. See “Instrument panel adjusting button” described below.

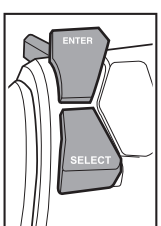
⑭ Water temperature indicator
It indicates the vehicle water temperature and is designed with 6 indicating marks. And, the position “C” indicates that the water temperature is low and the position “H” indicates that the water temperature is high. When the water temperature is ≥115°C, the water temperature warning light is on. Please stop for inspection, or contact the QJMOTOR Service Center to check the motorcycle.

Number of water temperature indicating marks	Temperature (°C)	Number of water temperature indicating marks	Temperature (°C)
If 1-6 indicating marks flash	≥120	1-3 indicating marks	88-99
If 1-5 indicating marks flash	115-120	1-2 indicating marks	70-87
1-5 indicating marks	110-114	1 indicating mark	<70
1-4 indicating marks	100-109		

⑮ Time display
It indicates the current time. If you need to adjust the time, see the “Instrument panel adjusting button” for details.
⑯ Fuel gauge
It indicates the fuel capacity stored in the tank. When the fuel tank is full, it will display 6 indicating marks. If the indicating mark approaches mark E, the fuel level is low. If the indicating mark approaches mark F, the fuel level is high. If the fuel is not sufficient, i.e. the fuel level is displayed with 1 indicating mark or below, the lowest indicating mark will be flashing and the fuel level warning light will come on.
⑰ TCS indicator light
Enter the instrument panel menu page and choose to enable or disable the TCS function.
When you choose to disable the TCS function, no content is displayed in this area.
When you choose to enable the TCS function, the icon appears, indicating that the TCS (traction control system) function is turned on. After riding with speed of about 5km/h, the icon changes to “TCS”, indicating that the TCS function is normal; if the icon appears, it indicates that the TCS function is faulty,

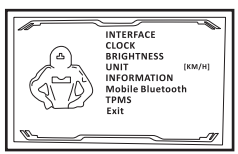
please stop and check, or contact the local QJMOTOR Service Center to check the vehicle in time.
When the vehicle is stuck in a mud pit and needs to get out of trouble, the drive wheel remains in idle. For safety, the TCS function will be forced off after a certain period of time and the instrument panel will also show the fault status. In this case, the TCS function is restored after the vehicle is powered off and then powered on.
⑱ Speedometer
It indicates the current riding speed, optionally in km/h or mph. See“Instrument Panel adjusting button” for details.
⑲ Gear position indicator
It indicates the current gear position of the motorcycle, including gear positions 1, 2, 3, 4, 5, 6, and N. When the gear position is shifted to the neutral position, the green neutral indicator light “N” will come on.
⑳ Navigation display under the simple navigation mode
When the instrument panel exits the projection interface and enters the simple navigation interface, the navigation information will be displayed in this area.
㉑ Tire abnormal alarm
This yellow “tire pressure warning light” will come on when the tire pressure or temperature is abnormal.
㉒ Front tire temperature and pressure display
It indicates the temperature (°C) and the pressure of front (F) tire, and the unit (optional) of tire pressure is in kpa, bar, or psi.
㉓ Rear tire temperature and pressure display
It indicates the temperature (°C) and the pressure of rear (R) tire, and the unit (optional) of tire pressure is in kpa, bar, or psi.
㉔ Fault alarm display area
It displays the alarm message content. Please stop for checking or contact the local QJMOTOR Service Center to check the motorcycle.

Instrument panel adjusting button



The instrument panel adjusting button is located on the left handlebar switch of the motorcycle. On the instrument panel main display interface, shortly press the “SELECT” button to switch between the total mileage (TOTAL) and the relative mileage (TRIP A and TRIP B).

Under the state of the relative mileage (TRIP A and TRIP B), press and hold “SELECT” to clear the sub-total relative mileage. Under the state of the total mileage (TOTAL), press and hold “SELECT” to switch the mileage and the unit display of the motorcycle speed in km/h or mph.

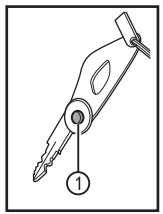


When the motorcycle speed is zero, shortly press the “ENTER” button for confirmation to enter the main menu page of the instrument panel. You can select the functions of “INTERFACE”, “CLOCK”, “BRIGHTNESS”, “UNIT”, “LANGUAGE”, “INFORMATION”, “Mobile Bluetooth”, “TCS”, “Ride Mode” and “EXIT”. Press “SELECT” to select the specific function to be adjusted, and press “ENTER” to confirm after selection. After the main menu interface is entered, the system automatically returns to the main interface if there is no operation for 8 seconds (except for Bluetooth, secondary setting interface of tire pressure).

After the Bluetooth is connected, if there is an incoming or outgoing call, you can answer the call by pressing “SELECT”and hang up by pressing “ENTER”.

Operation of parts

Keys



Two folding keys or three keys (including one folding key or two mechanical keys) are optional for this motorcycle, and they can be used to start the motorcycle and open all the locks. One key is for service. Keep another key at a safe place for later use.

Press the button ① on the folding key to extend or retract the key head.

> ***Warning***
>
> Do not hang O-rings or other objects on the key, as this may prevent its rotation. Never turn the key while the motorcycle is running. Otherwise, the motorcycle will be out of control. In order to ensure safety during driving, please do not place objects that hinder you from operating the motorcycle.

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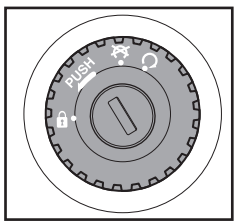
Ignition switch

"⊗" mark - When the key is turned to the "⊗" mark position, the power is off, and the engine cannot be started, but the key can be removed;

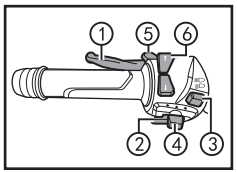


"○" mark - When the key is turned to the "○" mark position, the power is on, and the engine can be started, but the key cannot be removed;

"🔒" position: When the key is at the "⊗" mark position, turn the handlebar to the left, press the key downward and turn it counterclockwise to the "🔒" position. The handlebar lock extends out the lock cylinder, and the handlebar is locked. Now, the key can be removed.

Notice
Please lock the steering handlebar and remove the key when parking to prevent theft. After locking, turn the handlebar gently to confirm whether it is locked. Please do not park in the place that blocks traffic.

Left handlebar



① Clutch lever

When starting the engine or shifting gears, hold the clutch lever to cut off the drive to the rear wheel.

② Horn button

Press the horn button and the horn beeps.

③ High/low beam headlight selector switch

"≡D" position: At the same time, move the right handlebar light switch to the "☼" position, and the high beam headlight comes on, as well as the high beam indicator light on the instrument panel comes on;

"≡D" position: At the same time, move the right handlebar light switch to the "☼" position, and the low beam headlight comes on. When you drive the motorcycle in an urban area or see a vehicle in the front, switch to the low beam headlight so as not to affect the sight of the other drivers.

④ Turn signal light switch

Move the turn signal light switch to the "⇦" or "⇨" position and the corresponding turn signal light will flash. And, the green turn signal indicator light on the instrument panel will flash accordingly. To deac-

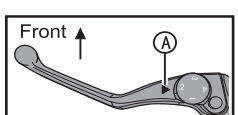
tivate the turn signal, move the turn signal light switch to the center or press the switch downward again.

> ***Warning***
>
> When changing lanes or turning, turn on the turn signal light in advance and make sure no vehicle behind is passing. After changing lanes or turning, turn off the turn signal light in time to prevent affecting the normal driving of other vehicles and avoid accidents.

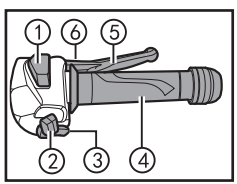
⑤ Overtaking light switch
When crossing or overtaking, press this button continuously, and the high beam headlight will flash consecutively to warn the vehicle ahead.
⑥ Instrument panel adjustment button
See "Instrument panel adjusting button" described above.

Clutch lever adjuster

For ride comfort, adjust the clutch lever position by adjusting the position of the knob with the ring nut. Adjustment may be made by choosing one of four positions. To adjust, move the clutch lever forwards horizontally, and then rotate the ring nut adjuster for alignment with the arrow **(A)** to get the desired position. And, the clutch lever is furthest from the left grip at Position 1 and nearest from the left grip at Position 4.



Right handlebar



① Start/Stop switch
When the switch is moved to the "○" position, the motorcycle is powered on and the engine can be started.
When the switch is moved to the "⊗" position, the motorcycle is powered off, and the engine cannot be started.
② Hazard warning lamps button
Press the hazard warning lamps button. The front and rear turn signal lights flash simultaneously to remind you of the danger.
③ Electric starter button
Make sure the engine start/stop switch is placed at the "○" position. Retract the side stand. Engage the transmission at neutral position. Press the electric

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starter button "⑧", and the electric motor will run to start the engine.

> **Warning**
>
> If the engine cannot be started within 5 seconds, turn the ignition switch to the "⊗" (off) position. Wait for 10 seconds until the battery voltage is restored. Then, re-start the engine. If the engine fails to start after several attempts, contact your local QJMOTOR Service Center for inspections.

④ Accelerator grip

The accelerator grip is used to control the engine speed. Turning the grip counterclockwise will accelerate the motorcycle; releasing, or returning the grip clockwise will slow down.

⑤ Front brake lever

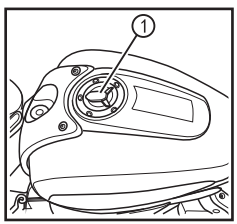
Hold the brake lever of the right handlebar for applying the front brake according to the braking emergency conditions.

⑥ Front brake lever adjuster

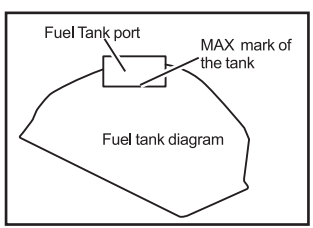
For ride comfort, adjust the brake lever position by adjusting the position of the knob with the ring nut. When adjusting, move the front brake lever forward horizontally, and then rotate the ring nut adjuster to adjust the distance between the front brake lever and the accelerator grip.

Refueling

When the fuel level warning light on the instrument panel comes on, refuel the fuel tank.



When refueling, open the dust cover ① of the fuel tank cap, then insert the fuel tank key and rotate it clockwise to pull and open the fuel tank cap together with the key. Upon completion of refueling, align the fuel tank cap with its guide pin and press it downwards to close the fuel tank cap. Remove the key after a locking sound occurs, and close the dust cover of the fuel tank cap.



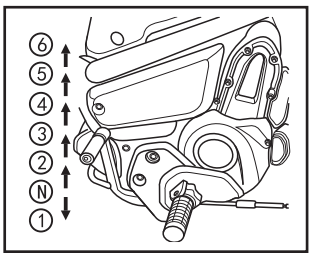
Do not overfill the fuel tank (it is recommended that the fuel tank should be filled up to 90% of its total volume). For refueling, do not exceed the

MAX mark of the fuel tank as shown. And, do not spill fuel on the hot engine. Otherwise, the motorcycle may run abnormally or dangerous accidents may occur.
When refueling, turn off the engine and switch the ignition switch to the "⊗" (off) position.
Lock the fuel tank cap after refueling to prevent excessive evaporation of fuel into the atmosphere, which wastes energy and pollutes the environment.

Warning
Smoking or open flames are strictly prohibited when refueling.

If gasoline overflows into the carbon canister and other parts and components, clean or replace the canister as soon as possible at the QJMOTOR Service Center, because excessive gasoline entering the canister will cause the activated carbon to fail prematurely.
Always check that the fuel tank overflow drain port is unclogged to ensure free drainage and avoid external water from entering the tank inner chamber.

Shift lever



This model of motorcycle is designed with the normally engaged six-speed international gear (non-cyclic) shift mode, which is operated as shown. Hold firmly the clutch lever and turn off the accelerator while operating the shift lever. The neutral gear position is located between the gear position 1 and gear position 2. From the neutral position, depress the shift lever to engage the gear position 1. Move the lever upward once to engage the next high-speed gear position; depress the lever once to engage the next low-speed gear position. For engaging the neutral position, depress or move upward the shift lever to the position between the gear position 1 and gear position 2.

Because of the ratchet mechanism, the gear position can only be shifted one by one.

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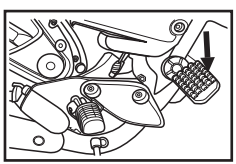
> **Caution**
>
> When the transmission is placed at the neutral position, the neutral indicator light on the instrument panel will come on. Now, still slowly release the clutch lever to determine whether the transmission is actually at the neutral position.

Rear brake pedal

When the rear brake pedal (as shown) is depressed, the rear wheel brakes. When the rear brake is operated, the brake light will come on.



Side stand

The side stand is located on the left side of the motorcycle. When parking, deploy the side stand. The side stand has an automatic shutdown function: When the side stand is in the parking state(the side stand is deployed), the engine cannot be started or automatically shut down after start if the engine gear position is placed at a position other than neutral. The engine can be started normally only when the side stand is retracted.

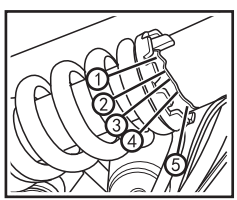
> **Notice**
>
> Do not support the vehicle on an inclined slope. Otherwise, the vehicle may roll over. Please check the position of the side stand before parking the vehicle.

Tools supplied with motorcycle

The tools supplied with the motorcycle are located under the driver seat. Use the tools supplied with motorcycle to make repairs, minor adjustments and parts replacement during driving.

Rear shock absorber adjustment

The shock absorber spring of the rear wheel can be adjusted according to various factors such as the driver's wishes, load-bearing conditions, riding modes and road conditions. One of the ten positions can be selected for adjustment. As long as the motorcycle is stopped with a bracket or a side stand, turn the spring tension ring to the required position. The shock absorber is the softest in the gear position 1 and the shock absorber is the hardest in the gear position 10 (note: only the first 5 posi-



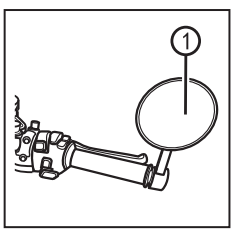
tions are marked in the figure, and the following 5 positions are recursive). Adjustment was made at the 4th gear position in the factory.

Rollover automatic shutdown

This motorcycle has a rollover automatic shutdown function. When the motorcycle rolls over or tilts to a certain angle, the engine will automatically shut down to prevent the danger.

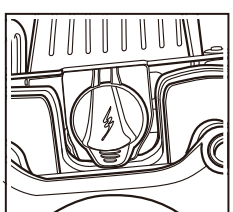
Rearview mirror adjustment

Turn the rearview mirror frame ① to adjust the angle of the rearview mirror. Adjust properly the rearview mirror frame until you can clearly see the conditions behind the motorcycle.



USB Interface

The USB interface is provided in front of the instrument of this motorcycle, which can be used to charge mobile phones and other components.



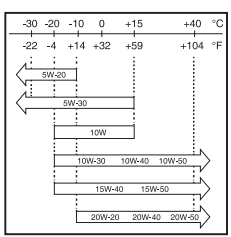
Instructions for Fuel and Engine Oil

Fuel

Unleaded gasoline with octane number 92 and above shall be used. If the engine makes a slight knocking sound, the fuel may be general grade and must be replaced.

Notice
Using unleaded gasoline can prolong the service life of spark plugs.

Engine oil



Please use high-purity and high-performance totally synthesized engine oil meeting the requirements of SN grade. The factory recommended model is SN 15W-50. (The loss of engine failure caused by the purchase of fully synthetic engine oil not from the QJMOTOR will affect the warranty of the vehicle). Please go to the QJMOTOR Service Center to buy special engine oil for this

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motorcycle. QJMOTOR only provides special engine oil to QJMOTOR Service Center. The engine oil viscosity should be determined according to the temperature in the riding area. Please refer to the figure to select the appropriate oil viscosity.

Running-in

Maximum speed

For a new motorcycle, during the initial running-in period of 1500.km, do not make the engine run at a speed exceeding the maximum speed during the running-in period; do not accelerate or turn or brake suddenly, and do not make the speed in any gear position exceed 80% of its maximum RPM; do not operate with a throttle fully opened.

Engine speed change

The speed of the engine should be changed from time to time, which helps the running-in of the parts. During running-in, apply appropriate stress to all parts of the engine to ensure a complete fit, but do not impose excessive load on the engine.

Avoiding running at a constantly low speed.

Running the engine at a constantly low speed (light load) will cause excessive worn parts and poor running-in. As long as the recommended maximum speed limit is not exceeded, each gear position can be engaged to accelerate the engine, but the maximum accelerator position must not be used during the running-in period.

The following table shows the maximum engine speed during the running-in period.

Initial 800 km	Below 5000 rpm
Up to 1500 km	Below 6500 rpm
Over 1500km	Below 8000rpm

Circulating the engine oil first before riding

Before riding the motorcycle in high temperature state after the engine is running or in low temperature state, keep the engine idling sufficiently to allow the engine oil to flow to all the lubricating parts.

Routine initial maintenance inspection

The maintenance of the initial 1000 km is the most important for a motorcycle. During such maintenance, all adjustments must be made, and all fasteners must be tightened, as well as the dirty engine oil must be replaced. The maintenance of the initial

1000km carried out in time will ensure long engine service life and good performance.

> ***Caution***
>
> Maintenance of initial 1000 km should follow the methods described in the Inspection and Maintenance section of this manual. Pay special attention to the "Caution" and "Warning" in the “Inspection and Maintenance” section.

> ***Special attention***
>
> After the initial running-in to 1000 km, please contact the QJMOTOR Service Center to replace the oil filter, change the oil, clean the filter screen, etc. (afterwards, follow the “Maintenance schedule”). At the same time, check the engine oil level frequently. Add special engine oil or the engine oil specified in this manual if necessary.

Inspections before driving

Before riding, be sure to check the following. The importance of these checks must not be ignored. Complete all inspection items before riding.

Inspection item	Key points of inspection
Handlebar	• To rotate smoothly • To rotate flexibly • No axial play or loosening
Brake	• Correct stroke of brake lever and that of brake pedal • No brake malfunction • No oil leakage
Tire	• Correct tire pressure • Appropriate tread depth • No cracks or damages
Fuel oil level	Filled with sufficient fuel for the planned distance traveled
Light	Operate all lights - headlight, position light, brake light, instrument panel light, turn signal light, etc.
Indicator lights	High beam indicator light, gear position indicator light, turn signal indicator light
Horn, front brake lever and rear brake foot lever	Normal function
Engine oil	Correct oil level

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Inspection item	Key points of inspection
Accelerator	• Proper clearance of the accelerator cable • To ensure smooth acceleration and deceleration
Clutch	• Proper clearance of the clutch cable • Smooth operation
Drive chain	• Proper tension • Proper lubrication
Coolant	Coolant level inspection

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Riding a Motorcycle

Engine starting

Turn the ignition switch to the "○" position, and confirm that the transmission is placed at the neutral position, and the neutral indicator light on the instrument panel comes on.

Press the starter switch "○" on the right handlebar. When the accelerator is turned off, press the electric starter switch "⊛" to start the engine.

Caution

Hold the clutch lever to start the engine when the transmission is in the neutral position.

Warning

The exhaust contains harmful substances such as carbon monoxide. Inhalation of these hazardous substances can cause serious injuries or even death. Do not start the engine in a poorly ventilated or unventilated room. Shut down the engine and power off the motorcycle when the motorcycle is unattended.

Caution

Do not run the engine for a long time when not riding. Otherwise, the engine may be overheated. An overheated engine can cause damage to the internal parts and components of the engine.

If the motorcycle does not run immediately, shut down the engine.

Motorcycle starting

With the side stand retracted, hold firmly the clutch lever, pause for a few seconds, and depress the shift lever to engage the first gear position. Rotate the accelerator grip towards the driver's direction while slowly and smoothly releasing the clutch lever. Now, the motorcycle can start to move forward.

Use of transmission

The transmission can ensure that the engine may run smoothly within the normal operating range. The driver should select the most appropriate gear position for the general conditions. Do not slip the clutch to control the motorcycle speed. Preferably, slow down the engine to run within the normal operating range.

Riding on a slope

When climbing a steep slope, the motorcycle will start to slow down and present insufficient power. If this is the case, shift to the low-speed gear position so that the engine can resume normal power output. The gear position should be shifted quickly to avoid the motorcycle losing power for a short time. When running downhill, shift to the low-speed gear position. Do not run the engine beyond the required speed range.

Use of brake and parking

To completely turn off the accelerator, release the grip while using the front and rear brakes evenly. Shift to a low-speed gear position to decelerate. Before stopping the motorcycle, hold firmly the clutch lever (at the open position) and shift to the neutral position. Observe the neutral indicator light to identify whether the transmission is placed at the neutral position.

Notice

The braking system is an important safety component. Please contact the local QJMOTOR Service Center for repair or replacement of the braking system. Improper maintenance of the braking system can adversely affect braking performance and therefore result in death or serious injuries.

Warning

Use the front and rear brakes evenly. Preferring to use front or rear braking will accelerate brake wear and impair the braking performance. Driving the motorcycle with an excessively worn brake can cause brake failure, possibly resulting in death or serious injuries.

Park a motorcycle on a solid and flat ground. Do not park in a place that blocks traffic.

Move the ignition switch to the "⊗" position to shut down the engine. Lock the handlebar to prevent the motorcycle from being stolen. Remove the key from the ignition switch.

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Inspection and maintenance

The following table shows the scheduled maintenance time limit for the mileage (km) traveled. At the end of each time limit, inspection, check, lubrication and prescribed maintenance must be carried out in accordance with the specified methods. The steering gear system, center and side stands as well as wheel system are key components and should be carefully repaired by specialized personnel. For safety reasons, we suggest that you entrust our Service Center or maintenance technician with inspections and repairs.

Maintenance schedule

Interval / Content / Maintenance item		Maintenance mileage	Odometer reading (Note 2)					
		Remarks	1000 km	6000km	12000km	18000km	24000km	30000km
*	Fuel pipeline		I	I	I	I	I	I
*	Accelerator operations		I	I	I	I	I	I
	Air filter	Note 1	I	I	R	I	R	I
**	Spark plug		I	I	R	I	R	I
**	Valve clearance			Every 42000km:I				
	Engine oil		R	I	R	I	R	I
	Oil filter		R	I	R	I	R	I

Interval / Content / Maintenance item		Maintenance mileage	Odometer reading (Note 2)					
		Remarks	1000 km	6000km	12000km	18000km	24000km	30000km
*	Oil screen		C	C	C	C	C	C
**	Cooling system		I	I	I	I	I	I
*	Drive chain	Note 3	I	Every 1000 km: I, L, A				
*	Drive belt	Note 3	I	I, A	I	I, A	I	I, A
	Brake pad wear			I	I	I	I	I
**	Brake system		I, A	I, A	I, A	I, A	I, A	I, A
	Brake switch			I	I	I	I	I
	Headlight beam adjustment			I	I	I	I	I
	Clutch		I	I	I	I	I	I
	Side stand			I	I	I	I	I
*	Rear shock absorber system			I	I	I	I	I
*	**Nuts, bolts, and fasteners	Note 3	I		I		I	

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Interval / Content / Maintenance item		Maintenance mileage	Odometer reading (Note 2)					
		Remarks	1000 km	6000km	12000km	18000km	24000km	30000km
**	Wheel/wheel rim	Note 3	I	I	I	I	I	I
**	Steering gear		I	I	I	I	I	I

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Instructions:

I: Inspection, cleaning, adjustment, lubrication or replacement C: Cleaning R: Replacement A: Adjustment L: Lubrication

* represent that it must be overhauled by the distribution department: You should bring your own qualified tools and motorcycle inspection data, and the part shall be overhauled by those holding the mechanical certificate. If overhaul by yourself, you should also refer to the maintenance instructions.

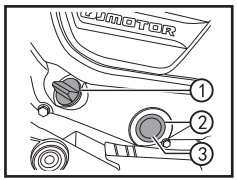
* * For this item, our factory suggests that it should be overhauled by the distribution department for safety.

Note 1: motorcycles driving in dusty areas should be checked and repaired more frequently. Especially the air filter maintenance interval needs to be shortened. The first maintenance should be carried out at 500km, and the subsequent inspection/cleaning/washing should be carried out every 1000 km.

Note 2: if the odometer reading exceeds this value, repeat the schedule shown in this table for continuous inspections.

Note 3: when driving on uneven roads and other harsh conditions, please service the motorcycle frequently to maintain its good performance.

Engine oil level and oil change



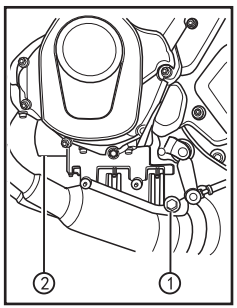
Check the engine oil level before starting the engine. When checking the oil level, keep the motorcycle upright on a flat ground and observe whether the oil level is between the MAX and MIN scales through the engine oil sight glass. When the oil level is lower than the MIN mark ②, open the upper oil filler cap ① and add oil to a level between the MAX ③ and MIN ② marks.

Replacement of engine oil and oil filter

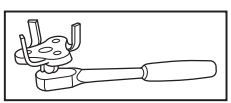
Notice
The oil change should be performed from a hot engine and with the motorcycle secured by a supporting frame (ensuring that the motorcycle is level and the body is vertical) to ensure that the engine oil can be quickly and completely drained.

The engine oil capacity is about 2.6L. For oil change, the oil capacity is 2.0 L (without replacing the oil filter) or 2.2 L (with replacing the oil filter at the same time).

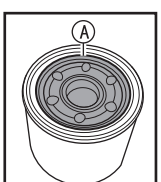
1. When draining the oil, put the oil basin below the oil drain position and remove the drain bolt ①. After completely draining the oil from the tank, reinstall the drain bolt by a torque of 20 to 25 N.m. At the same time, replace the oil filter ② by following these steps:



- Use an oil filter special removal tool to clamp the oil filter, rotate it counterclockwise, and remove the oil filter that needs to be replaced.



- Use a clean cloth to wipe out the oil filter and engine mounting surface.
- Use a new oil filter of the same model and apply a layer of lubricating oil to the O-ring seal **(A)**.



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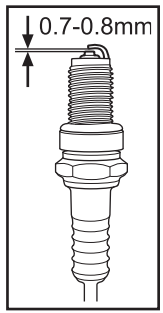
> **Notice**
>
> Please do not remove the O-ring seal of the oil filter, as this will cause incorrect installation of the O-ring seal, which will result in oil leakage or engine damage.

- Install the new oil filter on the engine by hand until you can't rotate it, and then use a torque wrench to tighten the oil filter with a torque of 15 to 20N.m.

2. Inject about 2.2 L of engine oil that meets the specifications into the engine.
3. Install the oil filler cap.
4. Start the engine, keep the engine at idle speed for a few minutes, and then turn the engine off.
5. Check the engine oil level again to ensure that the level is between the MAX and MIN marks, and no leakage is found from the engine.
6. Wipe to remove the splashed engine oil (if any).

Spark plug

For the initial 1000 km and every 6000 km traveled, use a small metal brush or spark plug cleaner to remove the carbon deposits attached to the spark plug, and use the spark plug gap gauge to readjust the spark plug electrode gap to keep it between 0.7 and 0.8 mm.
Recommended spark plug model: CR8EGP

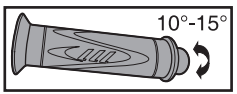


> **Caution**
>
> Do not over-tighten the spark plug or allow the threads to be staggered to avoid damage to the threads of the cylinder head. When removing the spark plug, do not let impurities enter the engine through the spark plug hole in the cylinder head.

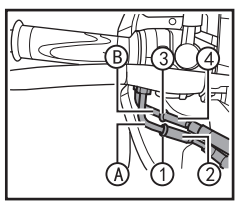
Adjustment of accelerator cable

1. Check whether the accelerator grip can be freely rolled between fully open and fully closed positions, from steering full left lock to full right lock.

2. Measure its free stroke on the flange of the accelerator grip. The standard free stroke should be 10° to 15°.



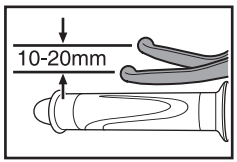
This motorcycle is equipped with a dual-wire structure accelerator cable. The accelerator cable **(A)** is the oil supply cable and the accelerator cable **(B)** is the oil return cable. For adjusting the free stroke of the accelerator grip, proceed as follows:



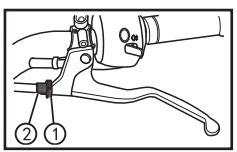
- Remove the accelerator cable dust cover.
- Loosen the lock nut ③.
- Fully screw the adjusting nut ④.
- Loosen the lock nut ①.
- Turn the adjusting nut ② so that the free stroke of the accelerator grip is 10° to 15°.
- Tighten the lock nut ①.
- Adjust the nut ④ so that the throttle grip can rotate flexibly.
- Tighten the lock nut ③.

Clutch adjustment

The free stroke of the clutch should be 10 to 20mm before the clutch starts to disengage, based on the tip of the clutch lever. In case of abnormality, adjust as follows at the lever end of the clutch cable:



- Remove the clutch cable dust cover.
- Loosen the lock nut ①.
- Screw or unscrew the adjusting screw ② to make the free stroke of the clutch meet the specified requirements.
- Tighten the lock nut ①.



Engine idling adjustment

The stepper motor configured in the motorcycle automatically adjusts the idle speed to the appropriate range. If adjustment is required, please contact a professional repair shop or the QJMOTOR Service Center.

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Throttle body

The idling speed of the motorcycle will be reduced due to the pollution of the throttle body. Clean the throttle body every 5000 km traveled.

When cleaning the throttle body, disconnect the battery negative terminal and the sensor connector installed on the throttle body; remove the accelerator cable and the hose connected to the air filter and the intake manifold. Remove the throttle body. Spray the detergent on the inner wall of the throttle body, and remove dust and carbon deposit using a brush.

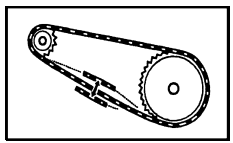
After cleaning, install the throttle body in the reverse order of the removal. Make sure all parts are installed and try to start the engine successfully.

> ***Notice***
>
> Be careful not to let impurities block the bypass airway.

Drive chain (applicable to models equipped with chain drives)

The service life of the drive chain depends on proper lubrication and adjustment. Improper maintenance may lead to premature wear of the drive chain and sprocket. Under harsh use, maintenance must be carried out frequently.

Drive chain adjustment:



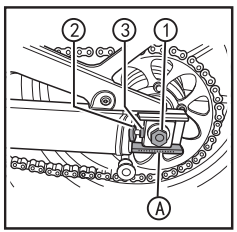
Inspect chain slack and wheel alignment every 1000 km of trip. Turn the rear wheel to find the tightest position of the drive chain and measure the vertical swing between the front and rear sprockets (drive chain slack). The standard chain slack is 28 to 35 mm. As needed, the chain may need to be adjusted frequently.

> ***Warning***
>
> These recommendations are maximum interval of adjustment. In fact, the chain should be checked and adjusted before riding. Excessive loosening of the chain may cause accidents in which the chain is detached or serious damage to the engine.

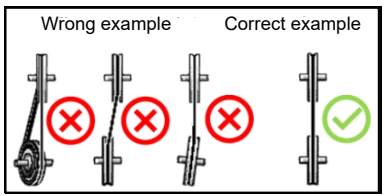
> ***Caution***
>
> The chain connector is clamped at the open end and installed away from the direction of movement.

Adjust the chain as follows:

1. Support the motorcycle on its side stand.
2. Loosen the rear axle nut ①.
3. Loosen the left and right lock nuts ②.
4. Turn the adjusting bolt ③ to the right or the left to adjust the chain slack, and adjust the chain slack to 28 to 35mm.



5. Inspection of wheel alignment: to keep the chain and the wheel correctly aligned, there are concave scale lines on the chain adjusters on the left and right sides of the rear wheel (figure **(A)**). Inspect and ensure that the concave scale lines on both sides of the chain are at the same level of scale marks, and confirm the parallelism of the shaft and the flatness of the sprocket, as shown in the figure below. (Note: you can also use a ruler or a rope to inspect whether the wheel alignment is accurate.)



6. Tighten the left and right lock nuts. Re-tighten the rear axle nut with a torque of 100-140 N.m. Inspect the wheel alignment again and inspect the chain slack at the tightest position of the drive chain. Re-adjust it if necessary.

> ***Warning***
>
> Incorrect wheel alignment can cause abnormal wear and may result in the motorcycle being ridden in a dangerous condition.

> ***Notice***
>
> When replacing the chain with a new one, inspect both sprockets for wear, and replace them if necessary.

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During routine inspection, check the chain for:

- loose pins
- damaged roller
- dry and rusty links
- kinked or seized links
- excessive damage
- sagging chain adjustment

If the above problems occur on the chain, the sprocket is likely to be damaged.

Check the sprocket for:

- Excessively worn gear teeth
- Broken or damaged gear teeth
- Loose sprocket retaining nuts

Cleaning and lubrication of drive chain

Use a dry cloth and special cleaning agent for motorcycle chain to clean the chain. Clean the dirt on the chain with a soft brush. After cleaning, wipe dry and fully lubricate the chain with a special lubricant for the chain.

Drive belt (applicable to models equipped with belt drives)

Before riding, check whether the belt is working normally, and whether there are any abnormalities such as wounds and cracks on the belt, and clean up the silt, gravel and other impurities in the belt teeth or on its surface in time.

Alignment is required for installing the belt. The parallelism of the shafts and the flatness of the pulleys need to be confirmed, as shown in the figure below.

Notice

Every 3000-4000 kilometers, check and readjust the tension to the specified value, and check whether the tension screw is abnormal.

Keep the drive belt dry, and do not remove the belt guard. If there is a large amount of sediment on the belt surface, rinse it with clean water.

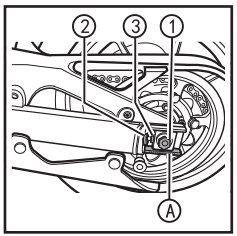
If the belt is wet, please dry it naturally or blow dry it in time, and do not drive violently.

Do not lubricate the belt. Special equipment is required for measuring belt frequency.

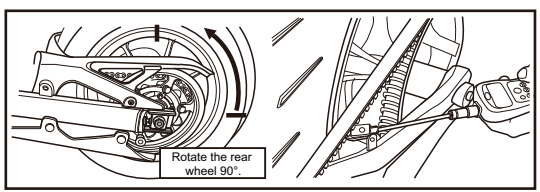
Install the belt and adjust the belt tension as follows:

1. Support the motorcycle with a special bracket.
2. Loosen the rear axle nut ①.
3. Loosen the lock nut ②.

4. Rotate the adjusting nut ③ to adjust the rear wheel to the belt mounting position (minimum pulley center distance).



5. First install the belt on the rear wheel with flange (if applicable, it can reduce misoperation). If the belt is first installed on the small pulley, be careful when installing the belt across the large rear wheel flange;
6. Turn the adjusting nut ③ clockwise or counterclockwise to adjust the appropriate belt tension (rear wheel adjuster). For the first installation of the belt, the vibration frequency range is 65±4 HZ. The target range of belt vibration frequency is 60±5 HZ after 4000 kilometers. Rotate the rear tire 1/4 turn (90°) successively to check the belt tension. The frequency of the belt at the same position of 1/4 turn of each rear wheel must be controlled until the four positions of the pulley rotation meet the nominal frequency target range, and the belt will not be moved to the left and right on the tooth surface of the rear pulley. Then tighten the rear wheel lock nut.
7. Re-confirm the belt frequency. Rotate the rear tire 1/4 turn (90°) successively and the rear wheel at least 2 turns. If the frequency exceeds the specified range, re-adjust the position of the rear wheel. Repeat Step (6) to set the belt frequency within the target value range.



8. Inspection of wheel alignment: to keep the belt and the wheel correctly aligned, there are concave scale lines on the adjusters on the left and right sides of the rear wheel (figure **(A)**). Adjust and ensure that the concave scale lines on both sides of the rear wheel are at the same level of scale marks, and confirm the parallelism of the shaft and the flatness of the pulley, as shown in the figure below. (Note: you can also use a ruler or a rope to inspect whether the wheel alignment is accurate.)

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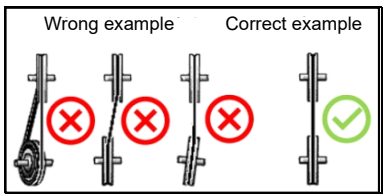


9. Re-tighten the rear axle nut with a torque of 100-140 N.m. Check the wheel alignment again and readjust if necessary.

> **Warning**
>
> The above belt vibration frequency target range is the original belt tension requirement. Different brands of the belt vibration frequency target range may be different. If the belt needs to be replaced, please contact the local QJMOTOR Service Center. Please do not use other brands of belts to avoid dangerous accidents.
> Do not pry and install the belt or use large external force for installation.
> Do not adjust the drive belt by yourself. Incorrect operation may cause the belt to twist or turn over, which may easily result in belt breakage.

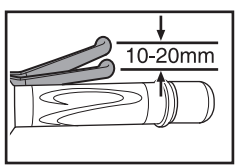
> **Warning**
>
> Foreign matters entering the gear train cause abnormal damage to the belt. It is necessary to replace the belt in time and check the damage of the pulley. The damaged pulley should be replaced in time.

Brakes

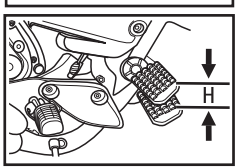
The front and rear wheels of this motorcycle use wheel disc brakes. Correct brake operation is very important for safe riding. Remember to ask a qualified Service Center to check the brake system regularly.

Brake adjustment

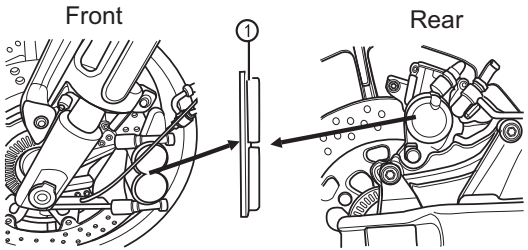
1. The free stroke at the end of the front brake lever should is 10 to 20 mm.



2. Measure the distance moved by the rear brake pedal before the brake starts to work. The free stroke should be 5 to 15mm.

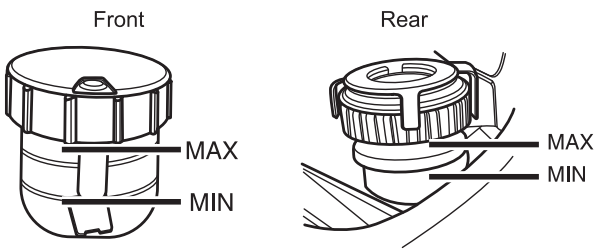


Friction plate



Check whether the front and rear friction plates are worn to the groove bottom mark ①. If the friction plates are worn to the mark, replace them with new ones.

Brake fluid



When the friction plate is worn, the fluid in the cylinder will be automatically injected into the brake line, and the fluid level will decrease. The front brake fluid reservoir is installed above the right handlebar, and the rear fluid reservoir is installed in the middle of the right side of the motorcycle (in the guard). Ensure that the brake fluid level is between the MIN and MAX marks. If the level is lower than MIN mark, add the specified brake fluid to the MAX mark. During routine maintenance, the brake fluid must be added.

Caution
DOT4 brake fluid is used for this motorcycle. Do not use the remaining fluid from the cylinder and the brake fluid left by the last maintenance, because the old fluid has absorbed moisture in the air. Be careful not to splash the brake fluid on painted or plastic surfaces because it will erode the surface of these substances.

Brake system

Check the brake system daily as follows:

1. Check the brake fluid level in the front and rear brake fluid reservoirs.
2. Check the front and rear wheel braking systems

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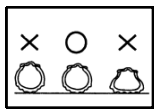
for leakage.

3. Check whether there is a suitable stroke of the brake lever and that of the brake foot lever, and whether they are always reliably connected.
4. Check the wear of the friction plate. Check whether the friction plates are worn to the groove bottom mark. If both friction plates are worn to the groove bottom mark, replace them together.

> ***Warning***
>
> If the braking system or friction plate needs to be repaired, we advise you to ask the Service Center for repair or replacement. They have complete tools and skills to conduct the repairs or replacement in the safest and most cost-effective way. Do not ride the motorcycle immediately if a new disc friction plate has just been used. Grasp and release the brake lever a few times to fully extend the friction plate and restore the normal handlebar support force, and make the brake fluid cycle stable.

Tire

Correct tire pressure will ensure the highest stability, ride comfort, and tire durability. Check the tire pressure and adjust it as needed.



Front tire pressure	(220±10) kpa
Rear tire pressure	(250±10) kpa

> ***Notice***
>
> Check the tire pressure when the tires are “cold” before riding.

The pattern depth on the tire crown pattern should be greater than or equal to 0.8 mm. If it wears down to less than 0.8 mm, replace it with a new tire.

> ***Warning***
>
> Do not attempt to repair a damaged tire. Wheel balance and tire reliability may be deteriorated.

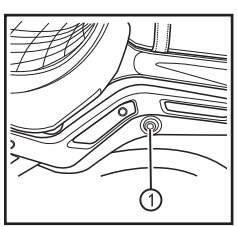
> **Warning**
>
> Improper tire inflation will cause abnormal tread wear and therefore threaten safety. Insufficient tire inflation may cause tire slippage or disengagement, or even rim damage, which may result in the motorcycle out of control and therefore occurrence of danger. Riding a motorcycle with a tire excessively worn is very dangerous, which will affect the road holding and riding adversely.

> **Notice**
>
> After replacing or repairing a tire or a rim, use a balance aligner or an equivalent equipment to balance and align the tires.

Installation and removal of driver seat

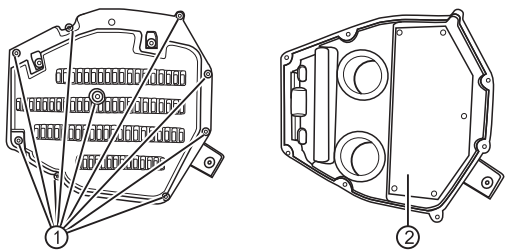
Insert the key into the keyhole ① of the driver seat and turn the key clockwise to remove the driver seat.

To install the seat, push it from backwards to forwards, clamp the hook on the back of the seat into the corresponding limit slot, align the lock hook with the lock hole, and then press down on the rear of the seat.



Air filter maintenance

Maintain the air filter regularly, and more frequently if the motorcycle runs in a dusty or sandy area.



1. Remove the seat, the plastic parts on both sides of the fuel tank and the fuel tank respectively.
2. Remove the retaining screws ① of the outer cover of the air filter element, and remove the air filter element ②.
3. Replace the paper filter element with a new one.
4. Reinstall the components in the reverse order of removal.

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> ***Warning***
>
> The air filter element is forbidden to be cleaned (including not blowing dust with compressed air). Any cleaning may cause functional degeneration of the filter element and damage the engine. The filter element should be replaced at an interval of every 7000km.
> Do not let the filter element be stained with oil or water when replacing the paper filter element. Otherwise, the filter element will be blocked and fail. It is recommended that you hand over the work to the QJMOTOR Service Center.

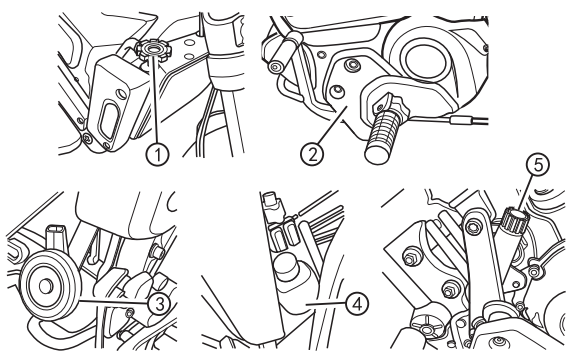
> ***Caution***
>
> If a motorcycle is driven in a more humid or dusty environment than usual or according to other driving conditions, it is necessary to shorten the filter element replacement interval. If the filter element is blocked, damaged, or permeable, the engine power drops, and fuel consumption rises, replace the filter element immediately. Do not wait until maintenance. Starting the engine without an air filter will damage the engine by trapping dust in the cylinders.

Coolant

Coolant: please use genuine anti-freezing coolant. Using other non-compliant coolant/mixture will cause damage to the engine.

When a new motorcycle leaves from the factory, it is already filled with coolant. Check the coolant level in the coolant reservoir during maintenance.

When the coolant becomes turbid or reaches the maintenance cycle, please replace the coolant in time.



The coolant filler ① of the radiator tank is located inside the guard on the right side of the motorcycle. Open the coolant filler cap and fill the tank up to the specified level with coolant.
Upon completion of coolant filling, reinstall the radiator filler cap.
Check the coolant level of the expansion tank frequently during riding. Inspect the coolant in the coolant reservoir only after the engine has been shut down and cooled down. When checking, keep the motorcycle level and the body upright. The coolant reservoir is installed in the lower guard ② on the left side of the vehicle. Observe the coolant level in the coolant reservoir and ensure that the coolant capacity is kept between the MIN (as shown in the figure ③) and MAX marks (as shown in the figure ④) of the coolant reservoir. If the coolant level is lower than the MIN mark, remove the retaining screws of the guard ②, and then remove the guard to see the coolant reservoir cap plug ⑤. Open the coolant reservoir cap plug ⑤, and add coolant to the MAX mark. Please go to the QJMOTOR Service Center to add special coolant.

Warning

Add the coolant only after the engine has been shut down and cooled down. To avoid burning, do not open the coolant filler cap until the engine has been cooled down. The cooling system is under pressure. In some cases, coolant contains flammable substances that produce an invisible flame (if ignited). Combustion of leaking coolant can result in serious burning. Therefore, leaking coolant on hot motorcycle parts should be avoided.
Coolant is highly toxic. Avoid touching and inhaling it, and keep it away from children and domestic animals. If you inhale the coolant, seek medical care immediately. If your skin or eyes accidentally come in contact with coolant, rinse them with water immediately.

Catalytic converter

The muffler of this motorcycle model is equipped with a catalytic converter to meet the needs of environmental emission.

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The catalytic converter contains precious metals, which can purify harmful substances (including carbon monoxide, hydrocarbons, NOx, etc.) in motorcycle exhaust.

Since the catalytic converter is very important, a faulty catalytic converter may pollute the air and damage your engine performance. If you need to replace them, please remember to use genuine parts or contact the QJMOTOR Service Center for replacement.

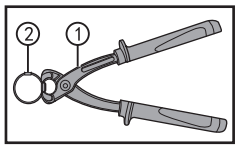
Notice
The catalytic converter is located in a high-temperature area. Please do not touch it.

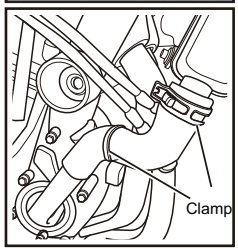
Carbon canister

This model is equipped with a motorcycle fuel evaporation control device: a carbon canister.

The carbon canister is filled with activated carbon particles that can adsorb vapor, inhibiting excess fuel vapor from volatilizing into the atmosphere, thus achieving fuel saving and environmental protection.

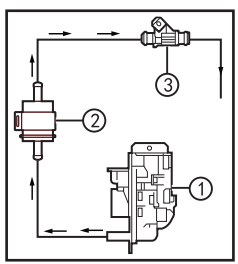
Installation and removal of the radiator hose clamp





After removing the radiator clamp, only use a special clamp wrench ① to reinstall the clamp ②. Otherwise, the clamp cannot be installed in place, causing coolant overflowing and resulting in motorcycle fault or personal injury.
The old disposable clamp cannot be reused. The plate-type clamp can be reused.

Fuel injector and fuel circuit



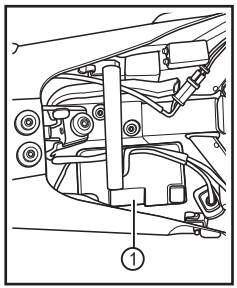
The fuel pump ① is provided with 1 interface. The fuel enters the injector ③ from one of the interfaces of the pump through the fuel filter ②. Finally, the fuel is injected into the engine intake pipe.
Please connect the inlet and return pipes as shown in the figure.

Lubrication of parts

Proper lubrication is essential to maintain every part of the motorcycle in normal running, prolong its service life and ensure safe driving. Lubricate your motorcycle after riding it for a long mile or if the motorcycle is wet due to rain or washing.

NO.	Description	Oil Type (M: Motorcycle lubricating oil G: Grease)
①	Brake pedal shaft	Z
②	Side stand joint and spring hook	Z
③	Shift lever pin shaft	Z
④	Accelerator cable	Y
⑤	Front brake lever pin shaft	Z
⑥	Clutch lever (pin shaft)	Y

Battery



The battery ① is located under the driver seat. The battery equipped with this motorcycle is a valve-controlled wet-charged MF battery. It is strictly forbidden to pry the battery case. Before and during operation, the battery will not be filled with electrolyte.

Before operation, read and observe the following precautions:

1. When using the battery for the first time, test the battery terminal voltage. If the voltage is less than 12.6 V, the battery needs to be changed by a charging voltage of 14.4±0.02 V and a charging current limited to 11.2 A until the current drops down to 0.2 A (or refer to the parameters printed on the battery surface). During charging, if the battery temperature is higher than 45°C, stop charging immediately and recharge the battery after it is cooled down.

2. The red battery terminal is the positive terminal, and the black one is the negative terminal. Turn off the ignition switch for wiring. Connect the positive terminal and then the negative one; for disconnecting, remove the negative terminal and then the positive one.
3. Testing the charging system: after the motorcycle is started, the displayed battery voltage from 13.5 V to 15 V shows that the charging system is normal.
4. Testing the leakage current of the complete motorcycle: Turn off the ignition switch. Connect the positive or negative terminal with a multimeter in series (at the “A” position). The circuit of the complete motorcycle is normal if the current is less than 3 mA.
5. If the motorcycle is not in use for a long time, recharge it once a month, or remove the battery and place it separately, and test the voltage once every three months. Recharge it if the voltage is lower than 12.6 V. Do not store an undervoltage battery.

For inspecting the battery, proceed as follows:

- Turn off the power supply switch of the motorcycle.
- Remove the driver seat.
- Remove the battery fixing baffle plate assembly.
- Remove first the negative terminal (-) and then the positive terminal (+).
- Take out slightly the battery. Install it in a reverse order of removal.

Battery installation should be carried out in the reverse order of removal. Connect the positive terminal (+) firstly and then the negative terminal (-).

Notice

When reinstalling the battery, be sure to connect the battery cables correctly. If the battery cable is connected in reverse, the circuit system and the battery itself will be damaged. The red cable must be connected to the positive terminal (+), and the black cable must be connected to the negative terminal (-).
When checking or replacing the battery, turn off the ignition switch (key).

When replacing the battery, please pay attention to the following:
When replacing the battery, confirm the motorcycle model and verify whether it is consistent with the original battery model. The battery specifications have been matched for the motorcycle. Using different models of batteries may affect the performance and service life of the motorcycle and may cause circuit failure.

Warning

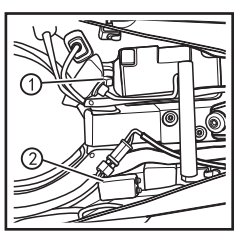
The battery will produce flammable gas during use and charging, so the battery should not approach open flames or sparks during charging.
The battery is filled with sulfuric acid (electrolyte), which is highly corrosive. Therefore, it is necessary to prevent the human body, clothes, vehicles, etc., from contacting the electrolyte. Once they contact it, rinse them with water immediately. In case of contact with eyes, rinse them promptly with plenty of water and seek medical treatment in time. Skin or eye contact with the electrolyte may cause severe burns.

Warning

The electrolyte is a toxic substance. Beware of children playing with them. Please place the battery safely to prevent children from touching it.
During transportation, the battery should not be subjected to strong mechanical impact and exposure to the sun and rain and should not be inverted.
During removal and installation, handle the battery with care. Do not throw or roll it over or apply a heavy load on it.
Do not remove the insulating protective cover of the positive and negative terminals of the battery.

Fuse replacement

The fuse is installed under the driver seat. The main fuse is shown in the figure ①, which is set on the starter relay; the fuse box is shown in the figure ②.



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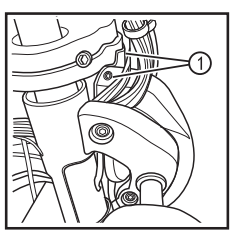
If the fuse burns frequently, it indicates that there is a short circuit or the circuit is overloaded. Please contact the QJMOTOR Service Center for repairs in time.

> ***Warning***
>
> Before checking or replacing the fuse, move the ignition switch to the "OFF (⊠)" position to avoid short circuit and damage to other electrical components.
> Do not use other fuses outside the specified specifications. Failure to do so will have serious adverse effects on the circuit system and even make the lights burnt or cause fires or make the engine lack of tractive force, which is very dangerous.

Headlight beam adjustment

Adjust the headlight beam vertically. Loosen the left and right headlight retaining bolts ①. The beam level can be adjusted by moving the headlight slightly.



> ***Notice***
>
> When adjusting the beam level, the driver should sit on the seat of the motorcycle, keeping the front and rear tires seated on the ground, and ensure that the motorcycle is vertical.

Replacement of light source

This motorcycle's headlight, front position light, turn signal lights, brake light and rear position light use LED light sources that are not easy to be damaged. If you need to replace them under particular circumstances, please contact the QJMOTOR Service Center for help. Replace a damaged bulb with a same power rating one. If a bulb with a different wattage rating is used, the circuit system may be overloaded, and the bulbs may be damaged prematurely.

> ***Notice***
>
> When replacing the bulb, you must replace it with a new one of the same specification as the original motorcycle. A high-power bulb will increase the load of the circuit system and easily cause the battery to lose power.

> **Notice**
>
> When replacing the bulb, the headlight bulb must be kept clean and dust-free; otherwise, the service life of the bulb may be shortened. Wipe off the grease or dust with a clean cloth.

ABS maintenance instructions

After the motorcycle is powered on, the ABS indicator light on the instrument panel will come on. After the riding speed reaches 5km/h, the ABS indicator light will go off. At this time, the ABS is in a normal working state; if it remains on or flashes, the ABS is not working. If ABS is not working, please check whether the ABS connector is installed in place and whether the clearance between the ABS wheel speed sensor and the tooth ring is 0.5 to 1.5 mm.

If the ABS wheel speed sensor is damaged, the ABS indicator light will come on, and the ABS will not work. The ABS wheel speed sensor may absorb some metal substances due to its degree of magnetism. Please keep the ABS wheel speed sensor clean and free of foreign matters. Adhesion of foreign matters will cause damage to the ABS wheel speed sensor.

If the ABS system is abnormal, please contact the QJMOTOR Service Center.

Storage Guide

Storage

If the motorcycle is to be stored for a long time, take certain maintenance measures to reduce the influence of the long-term storage of the motorcycle on its quality.

1. Change the engine oil.
2. Lubricate the drive chain.
3. Empty the fuel tank and fuel injection unit.

> **Notice**
>
> Gasoline will be deteriorated if it is stored in the fuel tank for a long time, which may cause difficulty in starting.

> **Warning**
>
> Gasoline is extremely flammable and may explode under certain conditions. Do not smoke or generate sparks nearby the motorcycle when draining the fuel tank.

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4. Remove the battery and store it separately in a place free from being frozen and direct sunlight.
5. Clean and dry the motorcycle. Wax all the painted surfaces.
6. Inflate the tire to a proper tire pressure. Place the motorcycle on a cushion block, with the two tires off the ground.
7. Cover the motorcycle (do not use plastic or coating materials) and keep it in a dry and unheated place with minimal temperature changes. Do not store the motorcycle in the direct sunlight.

Use of the motorcycle after storage

Remove the covering and clean the motorcycle. Change the engine oil if the motorcycle has been stored for more than four months.

Inspect the battery, and charge (as needed) and then install it in place.

Carry out a comprehensive inspection before driving. Perform a motorcycle test run at a low speed in a safe area away from the road.

SRV 700 Technical Specifications

Engine	283MU-A	
Displacement	698cm^3	
Cylinder bore x stroke	83mm×64mm	
Max net power	Full power	54.0kW/8750 rpm
	Limited power	35.0kW/6500 rpm
Maximum torque	Full power	68.2N·m/6250 rpm
	Limited power	58.0N·m/5250 rpm
Driving mode	Belt drive, or chain drive	
Clutch	Wet multi-disc	
Ignition mode	ECU electronically-controlled ignition	
Starting mode	Electric starter	
Tank capacity	15.5±0.5L	
Curb weight	220kg	
Length x width x height (excluding rearview mirrors)	2230 x 830 x 1150mm	
Wheel base	1580mm	
Tire	Front wheel: 130/90-16 Rear wheel: 150/80-16	
Brake mode	ABS	Front: Disc type
		Rear: Disc type
Type of fuel	Unleaded clean gasoline	
Maximum design speed	Full power	188km/h
	Limited power	155km/h