



QJMOTOR



VPS50 | OWNER'S MANUAL

PREFACE

Welcome to the world of motorcycling!

As the owner, you are benefiting from the vast experience and newest technology regarding the design and manufacture of high-quality products, which have earned us a reputation for dependability.

Please take the time to read this manual thoroughly, so as to enjoy all advantages of your vehicle. The Owner's Manual does not only instruct you in how to operate, inspect and maintain your vehicle, but also how to safeguard yourself and others from trouble and injury.

In addition, the many tips given in this manual will help keep your vehicle in the best possible condition. If you have any further questions, do not hesitate to contact your dealer. Our team wishes you many safe and pleasant rides. So, remember to put safety first!

Our company continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your vehicle and this manual. If there is any question concerning this manual, please consult your dealer.

IMPORTANT NOTES

1. Rider and passenger

The motorcycle is designed to be used by only one rider and one passenger.

2. Road conditions for riding

This motorcycle is suitable for riding on-highway.

3. Please read this operation and maintenance manual carefully. Following the break-in instructions in this manual will keep your motorcycle running stably and allow the engine to reach its full performance.

Please pay special attention to matters preceded by the following words:

Warning: means that casualties may be caused if the methods in this manual are not followed.

Caution: means that if the methods in this manual are not followed, personnel may be injured or parts may be damaged.

Note: provides useful information.

This operation and maintenance manual shall be regarded as a permanent part of the motorcycle. Even if the vehicle is sold to a new owner, this operation and maintenance manual shall be handed over to the new vehicle owner.

It is strictly prohibited to copy or reprint any part of this manual.

Special engine oil is used for lubricating parts of this vehicle.

SPECIAL NOTICE

Warning: this motorcycle is equipped with a main fuse that must meet the standard requirements to run safely. DO NOT use fuses of incorrect specifications or other conductive objects; otherwise it will lead to damage to parts, fire, and/or a serious accident.

Pay special attention:

*When installing or replacing the battery for the first time, pay attention to distinguish between positive and negative connections. If the battery connections are reversed, please check if the main fuse is intact. However, if the fuse is intact or not, take the motorcycle to your maintenance center for inspection to prevent damage to electrical components due to the reversed battery connection. If any damaged components continue to work, they could lead to some unpredictable faults;

*Before replacing the fuse, turn off the ignition switch to prevent accidental short circuits;

*Do not damage the fuse bayonet when replacing the fuse, otherwise it will cause poor contact, component damage and even accidental fire.

Loading: DO NOT change the location of original accessories or add any that will change the vehicle handling characteristics. Adding arbitrary accessories will seriously affect

the stability and safety of your motorcycle and could lead to loss of control or operational issues. Meanwhile, according to road traffic safety laws, no unit or individual shall assemble motor vehicles or change the registered structure, structure or characteristics of motor vehicles without authorization.

QJMOTOR Motorcycle will not bear all quality problems and consequences (including loss of warranty) caused by users' unauthorized modification or installation of unauthorized parts. The user is requested to comply with the regulations of the traffic management department on the use of vehicles.

When riding your motorcycle, ALWAYS wear a motorcycle helmet that meets the national road safety standard.

Table of Contents

Safety Precautions for Operation1	Use of front and rear brakes.....8	Spark plug.....13
Safe riding tips.....1	No emergency brake or sharp turn.....8	Engine idle speed.....13
Wear a safety helmet.....1	Driving very carefully on rainy days.....8	Throttle body.....13
Protective apparel.....1	Parking method.....8	Fuel injector and fuel circuit.....14
Precautions for riding on a rainy day.....1	Troubleshooting.....8	Tires.....14
Loading.....1	Pre-ride inspection9	Tire pressure.....14
Motorcycle serial number2	Front and rear brake inspection.....9	Light Bulbs (light source) Replacement....14
Parts Locations2	Fuel inspection and replenishment.....10	Fuses.....14
Meter & Indicators3	Oil inspection and replacement.....10	Battery.....14
Operation Guide4	Steering stem bearing inspection11	Air filter.....15
Key.....4	Brake light inspection.....11	Carbon canister.....16
Ignition switch.....4	Turn signal inspection.....11	Storage Guidelines17
Right handlebar switch.....5	Inspection of headlight, front lights and tail light.....11	Specifications and technical parameters17
Left handlebar switch.....5	Tire inspection.....11	Maintenance schedule18
Side stand.....6	Front and rear shock absorber inspection.....11	Emissions Control System Warranty19
Storage box.....6	Speedometer function check.....11	Reporting Safety Defects22
USB interface.....6	Horn inspection.....11	California Proposition 65 Warning23
Battery.....6	Rear view mirror adjustment.....11	
Starting the motorcycle7	License plate inspection.....11	
Put away the main stand or side stand.....7	Exhaust pipe inspection.....12	
Release the brake lever7	Check that past anomalies have been eliminated.....12	
Slowly rotate the throttle to control the grip, the motorcycle will begin to move forward.....7	Maintenance inspection12	
Ride safely7	Replacement and replenishment of engine gear oil.....12	
Speed adjustment is controlled by the throttle grip.....8	Parts lubrication.....12	
Moderate driving can prolong the life of the engine.....8	Air box drain hose.....13	

Safety Information

Safe riding tips

1. The vehicle must be inspected before driving in order to avoid accidents and damage to the vehicle.
2. The driver must pass the examination of the traffic management department and obtain a driving license consistent with the permitted vehicle before driving. Vehicles are not allowed to be lent to people who do not have a driver's license or who are not qualified to drive.
3. In order to avoid the harm of other motor vehicles, the driver should be as conspicuous as possible. To this end, please:
 - Wearing brightly colored clothing.
 - Do not ride close to other motor vehicles.
4. Strictly abide by the traffic rules and do not speed through traffic.
5. Most accidents occur because of speeding, so the speed must not exceed the maximum speed limit of the road section.
6. Turn on the turn signal indicators early when turning or diverting to attract the attention of others.
7. At intersections, car park entrances and exits and fast lanes, special attention should be paid.
8. Be sure to drive with both hands. Driving with one hand is extremely dangerous. The occupant should hold the safety handrail tightly and step on the pedals with both feet.
9. Motorcycle modification or disassembly of the original parts, which will not ensure the safety of driving, at the same time is illegal, and will affect the vehicle warranty.
10. The configuration of accessories must not affect the driving safety and operating performance of the motorcycle, especially the overload of electrical

systems will easily cause danger.

11. Don't run the engine in a closed space. Exhaust fumes can cause harm to people's health.

Wear a safety helmet

The helmet, which meets safety and quality standards, is the first item of motorcycle body protection equipment. The worst accident is a head injury. Please be sure to wear a safety helmet, and it is best to wear protective glasses.

Protective apparel

You must be comfortable and colorful. Do not allow any loose clothing to get caught in the levers, this could cause an accident. In order to drive safely, please wear flat shoes.

Precautions for riding on rainy days

Special attention should be paid to slippery roads on rainy days, because the braking distance is longer on rainy days. Please avoid painted street markings, manhole covers and oily pavement when driving to avoid skidding. Be particularly careful when passing through railway crossings, railings and bridges. If the road conditions can not be clearly judged, driving should be slowed down significantly.

Loading

When the motorcycle is overloaded, there will be an abnormal sense of direction, overload may cause accidents or damage to the motorcycle, please note:

- The maximum load of the rear luggage rack is 6.6 lbs
- The maximum load of the storage box is 22 lbs.

Motorcycle Serial Number

Frame numbers and engine numbers are used to register motorcycles. When ordering accessories or requiring special services, this number enables the dealer to provide you with better service.

Please record the number for reference.

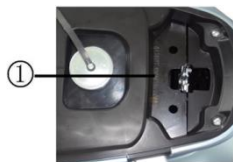
Frame VIN number: engraved at the end of the frame (under the seat).

Product badge: riveted in the lower right side of the frame.

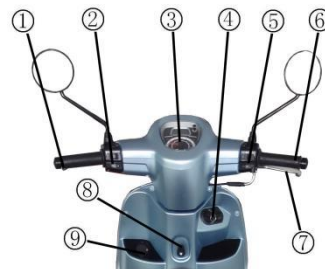
Engine number: engraved below the left crankcase of the engine.

Frame VIN number: _____

Engine number: _____



Parts Locations



- | | |
|----------------------------|---------------------------|
| (1) Rear brake lever | (2) Left handlebar switch |
| (3) Speedometer | (4) Ignition switch |
| (5) Right handlebar switch | (6) Throttle |
| (7) Front brake lever | (8) Luggage hook |
| (9) USB interface | (10) Battery |
| (11) Side stand | (12) Center stand |
| (13) Passenger grab-rail | (14) Storage |
| (15) Muffler | |

(note: the pictures in this manual are for reference only, they may differ from your actual product.)



Meter & Indicators

(1) High beam indicator light

When the headlight high beam is lit, the blue indicator light will be lit and the "H" sign will be displayed.

(2) Fuel gauge

Represents the amount of fuel in the fuel tank. When low the fuel indicator will begin flashing, indicating that there is not enough fuel, please refill the fuel as soon as possible.

(3) Clock display

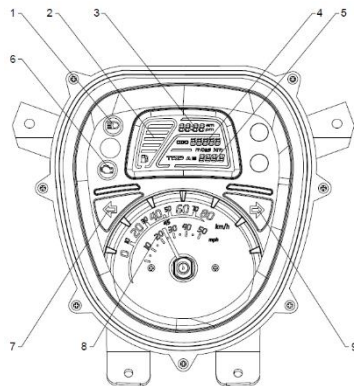
Press and hold the function button for 2 seconds (bottom) to adjust the clock.

(4) Total odometer

Total mileage (ODO): records the full mileage that has been driven, in miles (mi). It can be switched to display an engine fault code function (DTC) (see page 4 "function button (bottom)"). When the DTC function is displayed in the ODO position, the ODO logo is not displayed, the liquid crystal display PXXXX, such as the fault code display fixed P0000, if there is a fault code, the scrolling display will show it.

(5) Small odometer:

Small mileage (TRIP): a mileage meter that can be cleared and records the



range mileage for a certain period of time. The trip mileage (TRIP A or TRIP B) can be reset by pressing and holding the function button (bottom) for 3 seconds, you can clear the small mileage to zero. The default unit of the odometer is mph.

(6) Engine fault indicator

When the ignition switch is switched on, the engine fault indicator light will come on and the fuel pump will cycle for 3 seconds. Start the motorcycle, if the indicator light turns off, operation is normal and without codes; if the indicator light is on, there is a stored fault code. While riding at any time if the fault indicator lights up, you should stop the engine immediately and contact your dealer to have the motorcycle inspected before further use.

(7) Left turn signal indicator

When the turn signal switch is pushed to the left, the green signal indicator on the dash flashes accordingly.

(8) Speed indicator

The speed indicator indicates the range of driving speed in km/h (mph).

(9) Right turn signal indicator

When the turn signal switch is pushed to the right, the green signal indicator on the dash flashes accordingly.

Operation Guide

Key

Standard Ignition Switch

This ignition switch has a built in magnetic anti-theft device. When you turn the lower lock dial to the "OPEN" position, you can insert the key into the upper keyhole;

when you turn the lower lock dial to the "SHUT" position, the upper keyhole is closed, and the upper keyhole can only be opened when the "key handle switch" is returned to the "OPEN" position.

With the key inserted, turn it to the "ON" mark position, the power is on, the engine can be started, and the key cannot be removed.

In the "OPEN" position, you can open the underseat compartment by pressing the button marked SEAT to the right.

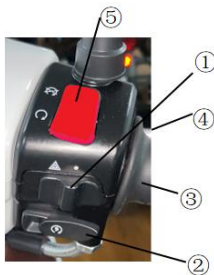
In the "OFF" position, the power is turned off, the engine cannot be started, and the key can be removed; when the key is rotated counterclockwise (in the direction of the "SEAT OPEN" arrow), the seat can be lifted.

Turning the key to the left while pressing down on the key to the



"LOCK" position, turn the handlebars to the left, and the steering will be locked. To unlock, insert the key and turn it to the "OFF" position to unlock the steering.

Right Handlebar Switch



① hazard light switch

② electric start switch



Hold the brake handle, press the electric start switch button, and the engine will start.

Note:

Once the engine starts, immediately release the starter button, do not press the starter button at any time while the engine is running; starter switch operation should not exceed 3 seconds per press, and wait at least 10 seconds between each button press. Do not exceed 5 presses of the starter switch to prevent excessive battery discharge and try starting again only after eliminating any possible faults to the starting system.

③ throttle grip

Throttle control grip is used to control the speed of the engine. When you want to speed up, you should turn the grip in its own direction, on the contrary, release the throttle control handle to achieve the purpose of deceleration.

④ front brake lever

Pull the brake lever with your right hand slowly as you brake. When the brake handle is pulled, the brake light will be turned on automatically.

⑤ starting / flameout switch

The switch is in the "☉" position, the whole vehicle circuit is turned on, and the engine can start.

The switch is dialed in the "☒" position, the whole vehicle circuit is cut off, and the engine cannot start.

Left Handlebar Switch

① headlight high and low beam switch

"☉" Mark: When the high beam switch is pressed both the high and low beam headlights will be active when in the "☉" position. Also at the same time, the blue indicator light on the dashboard is lit.

"☒" Mark: When the headlight high and low beam switch button is in the "☒" position, the low beam light is lit.



② turn signal switch

Dial the switch to the "←" position, the front left / rear left turn signal flashes, turn the switch to the "→" position, and the front right / rear right turn signal flashes. When the turn signal is activated, the green steering indicator on the dashboard flashes accordingly.

Warning:

When you want to change lanes or turn, switch on the turn signal light in advance and be aware of the vehicles around you. After changing lanes or turning, turn off the turn signal switch so as to not affect the normal driving of other vehicles around you and to avoid accidents.

③ horn switch

When the ignition switch is in the "ⓘ" position, press the horn button and the horn will sound.

④ Left brake lever

When the left brake lever is pulled, the brake light automatically lights up.

rear drum independent brake: slowly hold the brake lever on the left side, and the rear wheel will brake.

Side stand

The side stand is located on the left side of the vehicle. Lower the side stand in place with your foot when you stop. The side stand will cause the engine to stop automatically: when the side stand is lowered, the engine will not start, only by putting the side stand up, will the engine start normally.

Note:

Do not park the vehicle on a severe slope, or the vehicle may overturn. Please check the position of the side stand before parking the vehicle.

Storage box

The storage box is located directly below the seat cushion. When the ignition switch is turned to the "SEAT" position, press the SEAT identification button to open the seat, lift the cushion, and place the object you like inside. Lower the seat and gently and

press the tail of the seat cushion to lock it. The helmet opening should be placed downward when a helmet is placed inside.

Note:

The maximum carrying capacity of the storage box shall not exceed 22 lbs, and the load of the rear rack shall not exceed 6.6 lbs.

After placing an object inside, please make sure that the seat cushion is actually locked.

Because the engine temperature is very high, do not place low heat resistance articles like food and flammable items in the under seat storage compartment.

Please do not place valuables in the unseat storage box.

When washing the vehicle, take special care not to get water in areas or on items that you do not wish to get wet.

USB interface

There is a (5V/2A) USB interface on the left side of the inner leg shield of the vehicle, which can be used to charge components such as mobile phones.



Battery

(1) the battery specification is 12V/6AH.

(2) the battery is installed under the floorboard.

(3) to remove the battery: turn off the ignition switch, remove the screws securing the battery box cover under the floorboard with a screwdriver, remove the battery box cover, remove the negative pole and positive pole installation bolt of the battery, then remove the battery. When installing the battery, please proceed in the opposite order.



Starting the Motorcycle

1. Check the fuel quantity and oil level before starting the engine. The fuel quantity should meet the needs of the expected mileage, and the oil level should be within the upper and lower limits of the dipstick. If the oil quantity is insufficient, please add it before operating the vehicle.
2. Lift the side stand, support the motorcycle with the center stand, so that the rear wheel is off the ground.
3. Turn the ignition switch to the "ON" position.
4. Hold the brake handle firmly and press the electric starting button on the right handlebar switch group to start the motorcycle.

Warning:

Irregular operation of the engine starting procedure may pose a danger. If the engine is not supported by the center stand, turning the throttle control grip rearward will make the motorcycle rush forward. Please support via the center stand before starting the engine, and only lower the center stand when the engine is idling. Therefore, before driving, do not increase the throttle, so as not to cause accidents and other risks. Do not start the engine in a place where the ventilation is not good. Because the exhaust gas is toxic. The engine should be turned off when in enclosed spaces.

Note:

When you are not driving, please do not leave the engine idling for too long. Idling for too long can overheat the engine and damage its internal parts.

Setting Off

Put away the center stand or side stand

Push the motorcycle forward and the center stand support will return automatically. If you use the side stand when stopped, stand up the motorcycle, then gently kick the side stand back to its original position, get onto the motorcycle from the left, keeping your left foot touching the ground to prevent toppling.

Caution:

After starting the motorcycle, the brake lever should be kept in the braking state before driving.

Note:

The side stand of the model acts as an automatic engine cut off, only by putting the side stand up, can the engine start normally.

Release the brake lever

Warning:

After the brake lever is loosened, the throttle should not be added at will to avoid the danger of a sudden increase in the speed of the vehicle, resulting in an abrupt forward motion.

slowly rotate the throttle control grip, and the motorcycle will begin to move forward

Warning:

Throttle control grip should not be rotated quickly to prevent the vehicle from rushing forward too quickly.

Ride safely

Before setting off, you should check the turn signals, horn, and adjust the rear view mirrors so that you can see behind you properly before driving.

Speed adjustment is controlled by the throttle

- Rotate rearward: turn the throttle rearward to increase engine speed, rotation should be slow and smooth. When you start or go uphill, slowly turn the throttle to control acceleration, and the power will increase. Release the throttle, the speed will decrease, the restore action should be quick.

Moderate driving can prolong the life of the engine

The first 950mi of new vehicle use is the break-in period of the engine. Please keep it below 40mi per hour and avoid rapid acceleration. Follow the table below:

Mileage	0-185mi	185-925mi
Speed	15-20mph	20-30mph

The gearbox oil should be replaced while hot after the break-in period.

Use of front and rear brakes

Please use the front and rear brake systems at the same time while the throttle is closed.

Braking should be "slow" at the beginning, and then increase brake lever (tension) is the most ideal braking method.

Warning:

The speed of the vehicle is proportional to the braking distance. Please be sure to estimate the distance between the vehicle or object in front of you and maintain a sufficient braking distance.

Inexperienced people often only use the rear brake, the use of single-wheel braking easily makes the vehicle unstable, at the same time, it will accelerate the wear and tear of the brake, both brakes should be used simultaneously to ensure safe braking.

No emergency brake or sharp turn

Emergency braking or sharp turning is the main cause of slippage and crashes, which is very dangerous.

Drive very carefully on rainy days

Braking distance will be lengthened when riding on wet and slippery road surfaces on rainy days, you should slow down, while at the same time maintaining a safe braking distance from the vehicle or object in front of you.

When riding downhill, close the throttle and implement moderate, intermittent braking to slow you down.

Parking method

- When approaching a parking lot

Turn on the turn signal in advance, observe the pedestrians and vehicles behind you through the rear view mirrors, pay attention to the passing vehicles, and slow down slowly.

Close the throttle, use front and rear brake, the brake lights will be on to warn others behind your vehicle.

- When parking

Turn off the turn signal and turn the ignition switch to the "ON" position.

Place the stand on a flat surface, do not hinder traffic, and if the terrain is uneven, the vehicle is easy to overturn.

Grab the handlebar with your left hand, grab the handrail next to the saddle with your right hand, step on the center stand lever and press downward, while also pulling rearward with your right hand.

When the vehicle is stable, be sure to lock the steering and remove the key in case of theft.

Troubleshooting

If the engine does not start properly, please check the following items:

A. Whether there is enough fuel in the fuel tank.

B. Start the engine several times to check whether the fuel flows to the injector.

- C. If fuel flows to the injector, the ignition system should be checked.
- D. Remove the spark plug and touch it to the metal body of the engine, and start the engine to check if there is a spark. If there is no spark, please return to the dealer for inspection and repair.

Warning:

After reinserting the spark plug into the cap keep it far from the spark plug hole while checking spark, if the plug is too close to the opening it could ignite the fuel charge, posing a fire risk.

Note:

If unsure of the vehicle failure, please contact your dealer in a timely manner because they have the best technology and corresponding special tools to provide you with the best service. In particular, when your motorcycle is under warranty, do not remove the parts on the motorcycle on your own, which will affect your vehicle warranty.

Pre-ride Inspection

Carrying out a vehicle inspection before driving can avoid troubles caused by many faults and ensure the safety of operation.

Front and rear brake inspection

This model is equipped with front disc hand operation, rear drum hand operation, longitudinal independent braking system

(1) free play of the brake lever

The free play of the front and rear brake lever is 10-20mm.

"Free play" refers to the distance between the end of the brake lever and the handlebar. The brake lever should not only have appropriate free play, but also operate smoothly and without binding.

(2) whether the braking performance is normal or not;

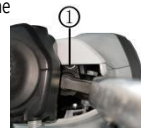


While driving on a dry road, slow down using the front and rear brake to see if the braking effect is good before and after. Adjust as needed to ensure the best braking performance.

(3) brake fluid

This vehicle uses DOT4 brake fluid. Do not refill brake fluid using an open container, as the old liquid will absorb water from the air. Be careful not to splash brake fluid on paint or plastic surfaces, which can erode the surface of these materials.

Note that the amount of liquid stored in the brake reservoir should be checked. If the storage volume is reduced to the lower limit, the specified brake fluid should be added to the upper limit. When the brake pads are worn, the liquid stored in the cylinder is automatically injected into the oil pressure hose and the liquid level is reduced.



(4) front brake pads

Always check whether the wear of the

brake pads has reached the limit mark ①.

If the wear reaches the limit mark, new brake pads should be installed in time to maintain the best braking performance.



Warning:

After a rear brake adjustment, the concave part of the adjusting nut should be aligned with the outer circle of the rocker arm pin in order to prevent a change in operation and cause an accident.

If the brake system or brake rotor needs to be repaired, we strongly advise you to take your vehicle to the dealer.

The disc braking system adopts a high pressure system. For safety, the oil pressure hose should be replaced every four years and the brake fluid should be replaced every two years.

After replacing the front brake pads, you must first pump up the system

so that the brake pads are closest to the rotor and the lever returns to the normal lever support force, also distributing the brake fluid evenly in the system. Lastly, test that the braking performance can meet the driving requirements by braking at low speed.

Fuel inspection and replenishment

The fuel is enough to drive as planned.

When the fuel meter flashes, it means that there is not enough fuel in the tank. Please replenish the fuel as soon as possible. The use of unleaded gasoline will allow full performance from the engine, and prolong the service life of the engine. Failure of the engine can be caused by fuel that does not meet the specifications or is of inferior quality.

Warning:

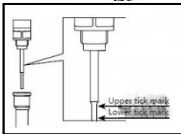
The engine must be turned off when replenishing fuel, the ignition switch should be turned off, and you should be away from any heat source or fire source.

When replenishing fuel, the fuel level shall not exceed the reference plate, it is easy to fill the gasoline tank beyond the reference plate. The recommended fuel volume is 90% of the fuel tank volume.

Oil inspection and replacement

It is very important to choose high quality oil and regular replacement of new oil for the performance and durability of the engine. Regular inspection of oil levels and regular oil replacement are two important tasks that must be performed during maintenance intervals.

Please check the oil level regularly and add / change the oil as required. Start the engine and let it idle for a few minutes, then turn off the engine for a minute and check the level:



(1) support vehicle by the center stand, remove the dipstick 1 and wipe it clean.

(2) insert the dipstick again (do not thread it in).

(3) remove the dipstick and check whether the oil is below the lower limit. If below, please add oil until it reaches the upper limit mark.

(4) the first oil change should be performed at 600 miles, and the follow-up maintenance mileage requirements are carried out according to the maintenance schedule.

(5) the oil capacity is 0.7L, and the replacement volume is about 0.65L

(6) the oil quantity should not be lower than the lower limit of the dipstick.

(7) in dusty, cold, & poor road conditions, the oil is easier to deteriorate, change it more frequently if used in these conditions.

(8) Please use engine oil that conforms to or exceeds the SJ class and is of high quality and performance. The factory recommended model is SJ 15W-40 or SJ 10W-40. Priority should be given to the use of high performance motorcycle oil.

Note:

The oil quantity should be checked regularly during the course of use, and please replenish it in time when it is insufficient.

If the motorcycle is tilted or parked on a slope, the oil level measurement will be incorrect.

Check the engine when it has cooled to avoid scalding.

Pay particular attention to:

During the 600mi break-in service, the oil & filter should be changed and the valve clearance should be readjusted to the specified requirements. (follow-up maintenance mileage requirements are implemented in accordance with the maintenance schedule). At the same time, the oil level of the engine should be checked regularly. If it needs to be added, the engine oil specified in this manual should be added.

The steps for oil replacement are as follows (oil replacement should take place when the engine is hot):

(1) Support the motorcycle with center stand on the horizontal ground.

(2) Unscrew the oil dipstick with the engine turned off.

(3) Place an oil container directly below the drain bolt at the bottom of the engine.

- (4) Remove the drain bolt and drain the old oil.
- (5) Lean the motorcycle side to side on the center stand to assist all of the oil draining from the engine.
- (6) Reinstall the engine drain bolt and tighten it.
- (7) Add new oil into the engine through the dipstick hole using a funnel and reinstall it. Be sure to use the oil recommend in this manual.
- (8) Start the engine, let it idle for 2-3 minutes, check if there is any oil leaks at the drain bolt.
- (9) Turn off the engine, re-use the oil dipstick to check whether the oil level is between the upper and lower limits, if insufficient, add oil until it is up to the upper limit position of the dipstick.

Steering stem bearing adjustment & inspection

Check steering stem operation for looseness when turning in any direction.

Check if the steering feels too tight.

Check if there are any flat spots or notches in the bearings.

If any abnormal operation is determined, have your dealer inspect your motorcycle.

Brake light inspection

Turn the ignition switch dial to the "ON" position.

Operate the left and right brake levers respectively to confirm whether the brake light will turn on.

Check if the brake light lens is dirty or damaged.

Turn signal light inspection

Turn the ignition switch dial to the "ON" position.

Operate the turn signal switch to confirm whether the left and right turn signal lights and indicators are flashing before and after.

Check if the turn signal light lenses are dirty or damaged.

Inspection of headlight, front lights and tail light

Check if the lights turn on after the engine starts.

Check for contamination or damage to the light lenses.

Tire inspection

Check the front and rear tire pressures.

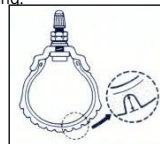
Normal tire pressure:

front wheel: 28 ± 2.5 psi; rear wheel: 31 ± 2.5 psi

Inspect the tires surface for metal fragments, gravel and so on in the tire groove, some should be removed before driving.

Please replace the tires when the tire cracks or the wear of the tire grooves reaches the service limit.

The depth of the pattern on the crown of the tire should be greater than or equal to 0.8mm, and if the wear is less than 0.8mm, the tire should be replaced. A tire with abnormal wear can easily lead to an accident while driving.



Front and rear shock absorber inspection

Add weight to the handlebar and seat, pushing up and down, check if the front and rear shock absorption is good.

Speedometer function check

Check that the functions of the speedometer are working properly.

Horn inspection

Turn the ignition switch to the "ON" position, press the horn button, and check if the horn will sound.

Rear view mirror inspection

Sit in the driving position and look in the rear view mirrors according to the normal driving position to confirm whether the rear view mirror angle is appropriate, you should be able to clearly see objects behind you, also check for damage and clean them.

License plate inspection

Check if the license plate is damaged or loose.

Exhaust pipe inspection

Check if the exhaust pipe is loose or the exhaust noise is high.

Check that past anomalies have been eliminated.

Maintenance Inspection

In order to keep your motorcycle driving safely and performing optimally, please perform regular inspections and maintenance in a timely manner. Your dealer or service station can perform after-sales service & maintenance work for you. Please refer to the maintenance schedule for inspection frequency and service requirements.

Warning:

It is imperative that after the initial 600 mile service inspection that all routine maintenance must be carried out carefully and in accordance with the relevant instructions and specifications given in this manual.

Replacement and replenishment of engine gear oil

Shut off the motorcycle and wait for 2-3 minutes. Open the filler screw and check the gear oil level.

If the amount of oil is insufficient, please add the appropriate amount of gear oil.

Replace it every six months or 3000mi.

The recommended gear oil is GL-5 class 85W/90.

The total capacity of gear oil is 0.12L and 0.11L when replaced.

Check the gear box for oil leakage after inspection.

Note:

Gear oil must be added via the level check bolt hole.

An overfilled or under filled gearbox can affect engine performance.

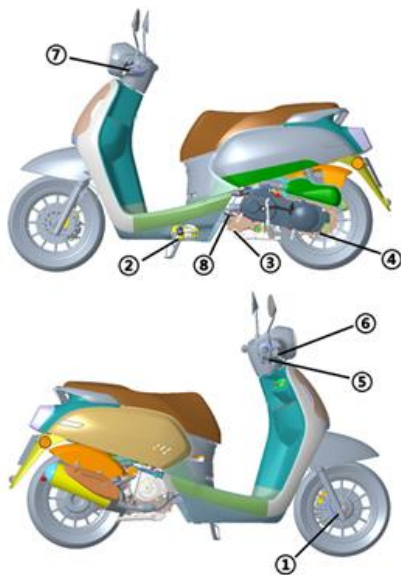
Use a high quality brand of gear oil.

Vehicles used in poor conditions should replace gear oil more frequently.



Parts lubrication

Proper lubrication is very important to maintain the normal operation of every part of the motorcycle, to prolong its service life and to drive safely. After driving for a long time or after being wet or cleaned by rain water, we suggest that you do a lubrication and maintenance of the motorcycle. The main points of specific lubrication and maintenance are shown in the figure below:



Motorcycle lubricating oil grease

- (1) Speedometer gear and gear shaft bearing ★
- (2) Side stand support and spring hook
- (3) Center stand shaft and spring hook
- (4) Rear brake rocker arm shaft (rear drum brake applicable)★
- (5) Throttle cable
- (6) Front brake lever bolt (pin shaft)
- (7) Rear brake lever bolt (pin shaft)
- (8) Rear brake cable (for rear drum brake)

Note:

The above lubrication items marked with "★" shall be performed by a professional service technician at a dealership.

Air box drain hose

The air box oil separator hose should be checked regularly, if there is oil in the oil accumulation hose, it should be cleaned in a timely manner.

To drain the air box drain hose loosen the spring clamp and slide it up, pull the stopper from the hose, and drain the oil accumulated in the hose.

After the oil accumulation is drained, reinsert the tube stopper into the oil accumulation hose, and then slide the spring clamp onto the stopper to tighten it to the hose.

Spark plug

During the first 600 mile service, and every 2500mi, the carbon deposits attached to the spark plug must be removed with a small metal wire brush or spark plug cleaner, the electrode gap must be readjusted and the gap measured using a spark plug gap tool. The measured spark plug gap should be kept between 0.6



and 0.7mm.

After driving 3800mi, the spark plug should be replaced.

Spark plug model: NGK CR6HSA

Caution:

The standard spark plug for this type of motorcycle is carefully selected and can adapt to most of the working ranges. Please choose according to this specified model. If you choose the wrong spark plug, it will cause serious damage to the engine.

Spark plugs should not be too tight to interleave the threads so as not to damage the threads of the cylinder head. When removing the spark plug, do not allow impurities to enter the engine through the spark plug hole.

Engine idle speed

The throttle body stepper motor on the motorcycle automatically adjusts the idle speed to the appropriate range. If you need to adjust it, please contact your dealer.

Throttle body

The idle speed of your motorcycle will be reduced due to pollution of the throttle body, the throttle body should be cleaned once every 3100mi.

When cleaning the throttle body, disconnect the negative electrode connection of the battery, disconnect the sensor connector installed on the throttle body; remove the throttle cable, the hose connected to the air filter and intake manifold, remove the throttle body, spray cleaner on the inner wall of the throttle body, and brush off dust and carbon accumulation, etc.

After cleaning, reverse operation, install the throttle body, and ensure that all components are installed in correctly, try to start the engine successfully.

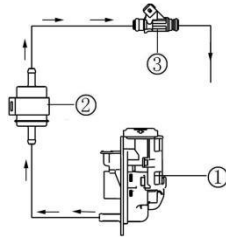
Note:

Don't let impurities clog the throttle body bypass.

Fuel injector and fuel circuit

Fuel begins at the fuel pump (1), then enters the fuel filter (2), before being delivered to the fuel injector (3) where it is mixed with air to be injected into the engine cylinder.

Follow the diagram to the right when connecting parts of the fuel system after a service or part replacement.

**Tires**

Be sure to check tire pressures and tire tread depth during regular inspections. In order to ensure maximum use time and optimal safety, in addition to regular checks.

The depth of the pattern on the crown of the tire should be greater than or equal to 0.8mm, and if the wear is less than 0.8mm, the tire should be replaced.

Tire pressure

Insufficient tire pressure will not only accelerate the wear of the tire, but also seriously affect the driving stability. Insufficient tire pressure causes steering difficulty, if the tire pressure is too high, reduces the tires ability to grasp the ground, making it easy to slip and lose control. Tire pressure must be kept within the prescribed limits. Tire pressure adjustment should be carried out at low temperature.

Front tire pressure (cold)	28 ± 2.5 psi
Rear tire pressure (cold)	31 ± 2.5 psi

Warning:

Tire pressure and wear state are very important to the function and safety of your vehicle. Please check the wear and tear of the tread and the tire pressure frequently.

Light bulb replacement

When replacing a broken bulb, be sure to use a bulb with the same power rating. If different watts are used, the electrical system may be overloaded and the bulb will be damaged prematurely. This type of lighting and light signal device light source are LED, LED light source is not easy to damage, if under special circumstances they need to be replaced, please contact your dealer for assistance.

Fuses

The fuses are located next to the battery. If a fuse blows often, there is a short circuit or circuit overload. Please contact your dealer to have your vehicle inspected for repair.

Warning:

Do not use fuses other than of the prescribed specification or replace them with copper wires, otherwise it will have a serious adverse impact on the circuit system and can even cause fire and/or short out the lights, which is very dangerous.

Battery

The battery is located under the foot board. The battery equipped with your motorcycle is a valve-regulated wet load free battery, it is sealed. DO NOT remove the pressed in top cap!



Please read and observe the following considerations before using the battery:

1. When the battery terminal voltage is detected for the first time, if the voltage is less than 12.6V, then charge at voltage of 14.4 \pm 0.02V, the charging limit current is 6A, and the charging current is reduced to 0.2A (or the relevant parameters are printed on the surface of the battery). During the charging process, if the battery temperature is higher than 113°F the charging should be stopped immediately, and charging should only resume after the temperature drops.

2. The battery terminal is positive in red and negative in black. Turn off the ignition switch when installing, first connect the positive pole and then connect the negative pole; remove the negative pole first and then remove the positive pole when disassembling.

3. Charging system check: after the vehicle starts, the battery voltage shows that the charging system is normal if operating between 13.5V~15V.

4. Key off amperage drain detection: turn off the ignition switch, connect positive or negative series multimeter (current file), if the current draw is less than 5mA, than the vehicle system is normal.

5. When the motorcycle is not used for a long time, recharging should be carried out once a month, or the battery is removed and placed separately, the voltage is tested every three months, and recharging is carried out when the voltage is lower than 12.6V. Batteries should not be allowed to be stored at a voltage less than 12.6V.

When removing the battery for inspection, do so in the following order:

(1) Turn off the motorcycle ignition switch.

(2) Remove the battery box cover and set it aside.

(3) Remove the negative terminal(-), remove the positive terminal (+).

(4) gently remove the battery.

When installing the battery, please proceed in the opposite order.

Note:

If the battery wire is connected backwards, the circuit system and the battery itself will be damaged. The red wire must be connected to the positive terminal (+) and the black wire must be connected to the negative terminal (-).

Be sure to turn off the ignition switch (key) when checking or replacing the battery.

To replace the battery, please pay attention to the following:

When replacing the battery, you should confirm the motorcycle model and verify that it is consistent with the original battery model. The specification of battery takes into account the best matching to the motorcycle design. Switching to different types of batteries may affect the performance and life of motorcycles, and may lead to electrical failures.

If the motorcycle is not in use for an extended period, the battery should be removed and kept separately and charged once a month.

Warning:

The battery will produce flammable gas when it is used and charged, do not approach open fire or spark when charging. The battery is filled with sulfuric acid (electrolyte), a strong corrosive, it is necessary to prevent bodily contact, clothes, vehicles. If electrolyte contact is made, flush with water to wash clean, such as touching the eye, immediately with a large amount of water to rinse

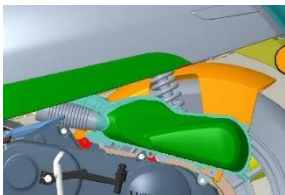
and seek timely medical treatment. Contact with electrolyte on the skin or eyes can cause severe burns.

Electrolyte is a toxic substance, keep out of children's reach. Please place the battery in a safe place and beware of contact with children.

In the course of transportation, the battery should not be subjected to strong mechanical impact and heavy rain, and the battery should not be inverted.

Air filter

The air filter is located on the left side of the motorcycle near the rear wheel. If the air filter is blocked by dust, the intake resistance increases and the output power decreases, while the fuel consumption increases. In order to achieve the best filtration effect, this vehicle uses a proprietary patented technology, two high performance filtration mechanisms.



The filter core of the air filter is prohibited from cleaning (including the inability to blow dust with compressed air). Any cleaning may cause the function of the filter core to degrade and damage the engine. For every 5000mi of use, the filter core should be replaced, and the air filter core should be replaced in the following order:

- (1) Remove the screws from the air box cover, then remove the air box cover to expose the filter.
- (2) Remove the paper core filter.
- (3) Replace with a new paper filter.

(4) Install the cleaned air filter element in the reverse order removed. It must be confirmed that the air filter elements are installed firmly in their original position and are properly sealed.

Warning:

When replacing the paper core filter be sure it isn't contaminated with any oil or water, otherwise these contaminants will block the filter. It is recommended to have an authorized dealer complete the air filter replacement.

Caution:

If the motorcycle is driven in wetter or dustier environments than usual, or according to other driving conditions, it is necessary to shorten the interval period of filter replacement. Problems such as filter core blockage, breakage, ash penetration, obvious engine power decline, fuel consumption increase and so on, it should be replaced immediately, do not wait until the maintenance period. Starting the engine without an air filter installed will cause dust to enter the cylinder and damage the engine.

Carbon canister

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

Activated carbon particles which can adsorb vapor are used to fill the carbon canister, which can effectively inhibit the volatilization of excess fuel vapor into the atmosphere in order to save fuel and environmental protection.

Storage Guidelines

If storing your vehicle for a long period of time, it is necessary to drain the fuel, clean all parts of the vehicle, and remove the battery. If storing for longer than one month, you should add about 15-20ml of oil into the cylinder and press the start button several times to spread the oil evenly. Store your vehicle out of direct sunlight and at room temperature.

Removal from storage: it is necessary to clean the vehicle, check the battery and carry out a comprehensive inspection before driving.

If the vehicle is stored for more than 6 months at a time, the fuel retained in the fuel system will increase the risk of oxidation and contamination, resulting in difficulty in starting the vehicle, powerlessness or inability to start, this mainly affects the injector and fuel pump, please follow the following three solutions:

1. General cleaning: start the vehicle continuously, open the throttle for 2 minutes after the engine starts, and the slight oxidation will improve until it is flushed out or used.

2. Heavy cleaning: remove the fuel pump and injector, remove the contamination from the purge port of the fuel pump, put the fuel pump into clean gasoline, power the pump with 16V, allow it to pump for more than 5 minutes; with a clean and small pick, remove contamination from the injector holes, then use a 16-18V power supply to open the injector for 3 seconds and repeat 3-5 times; generally serious contamination will also improve until excluded.

3. If the above treatment is not available, please replace the fuel pump and injector.

VPS50 Specifications and Technical Parameters

Engine code	QJ137QMB-3A,Single cylinder
Bore× stroke	37mm × 46.4mm
Maximum power	2.8hp/6500r/min
Maximum torque	2.58ft.lbs / 5500 r/min
Ignition mode	ECU electronic control
Starting mode	Electric start
Fuel Tank Capacity	1.20±0.2gal
Curb Weight	225 lbs.
Length × width × height	1820mm × 690mm × 1090mm
Wheel-base	1270mm
Tire size	Front wheel: 100/80-12 Rear wheel: 120/70-12
Braking mode	Independent braking Front wheel: disc manual Rear wheel: drum manual
Gasoline Unleaded	91 Unleaded gasoline

Maintenance Schedule

Item	Period	Odometer reading				
		600mi	2500mi	3700mi	5000mi	6200mi
Fuel system						
Throttle operation						
Air filter	(note 2)	Replacement every 2500mi				
Spark plug				R		
Throttle body		Inspection every 2500mi				
Engine oil		R	Replacement every 600mi			
Brake pad/shoe wear						
Braking system						
*Transmission belt		Inspection at 3700mi, Replacement 15000mi				
Brake-light switch						
**Headlight						
*Clutch shoe wear						
*Suspension						
**Nuts, bolts, fasteners	(note 3)					
**Wheels, tires	(note 3)					
**Steering stem bearings						
*Front brake hose						
		Change once every four years				
*Front brake fluid						
		Change once every two years				

Schedule Key:

I: inspection, cleaning, adjustment, lubrication or replacement as appropriate

C: cleaning

R: replacement

* Must be overhauled by the dealer, the owner provides his own qualified tools and maintenance materials, and if he overhauls himself, he should also refer to the maintenance instructions.

**For safety reasons, we recommend that the project be performed by a dealer or a special maintenance station.

Note 1: if the odometer reading is high, the maintenance schedule should be repeated in accordance with the cycle specified to the left.

Note 2: if driving in particularly wet or dusty areas, it is best to shorten the prescribed maintenance intervals. Especially for the air filter maintenance, interval needs to be shortened, the first maintenance at 300mi, followed by each 600mi cleaning / replacement.

Note 3: when you often drive on a concave or convex road, you must maintain the tires more frequently.

Emission Control System Warranty

Hua Mei Motor USA LLC. (here in after "Hua Mei") is pleased to explain the emission control system warranty on your 2023 and subsequent model year motorcycle. New motorcycles must be designed, built and equipped to meet stringent anti-smog standards. Hua Mei must warrant the emission control system on your motorcycle for the period of time listed below provided there has been no abuse, neglect, or improper maintenance of your motorcycle.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors, and other emission related assemblies.

Your Hua Mei motorcycle complies with U.S. EPA emissions regulations. Hua Mei provides the same warranty coverage to all motorcycle owners, regardless of where the motorcycle is registered.

Your Warranty Rights and Obligations

In the United States new motorcycles must be designed, built and equipped to meet stringent federal anti-smog standards. Hua Mei must warrant the emissions control system on your motorcycle for the periods of time listed below, provided there has been no abuse, neglect or improper maintenance of your motorcycle.

Your emissions control system may include parts such as the sensors, the ignition and the engine computer. Also included may be hoses, connectors and other emissions-related assemblies. Where a warrantable

Condition exists, Hua Mei will repair your motorcycle at no cost to you, including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Hua Mei. This is your emissions control system DEFECTS WARRANTY.

Owner's Warranty Responsibilities

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. Hua Mei recommends that you retain all receipts covering maintenance on your motorcycle, but Hua Mei cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. You are responsible for presenting your motorcycle to an Hua Mei dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed, 30 days.

As the motorcycle owner, you should also be aware that Hua Mei may deny you warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications. If you have any questions regarding your warranty rights and responsibilities or if an authorized Hua Mei dealer cannot repair your motorcycle or honor your claim within a reasonable period of time, contact Hua Mei @ (866) 222-1558 for assistance. If you are not satisfied with the way in which a warranty claim is resolved by Hua Mei, you may write directly to:

Director of Field Operations
U.S. Environmental Protection Agency
Office of Transportation & Air Quality 2000 Traverwood Dr.
Ann Arbor MI 48105

Emissions Warranty Coverage:

Hua Mei warrants to the owner of any 2023 and subsequent model year motorcycle that the motorcycles designed, built and equipped to conform at the time of sale with all applicable emission standards, and is free from defects in materials and workmanship which would cause it to fail to conform with applicable requirements during the specified time and mileage limits.

This warranty begins on the date the motorcycle is delivered to the first purchaser other than an authorized Hua Mei motorcycle dealer, or the date it is first used as a demonstrator, lease, or company motorcycle, whichever comes first and continues for the time and mileage listed below:

Time = 5 years

Mileage: 3,720 Miles (6,000 kilometers)

These warranties are given only to the owner of a 2023 and subsequent model year motorcycle distributed by Hua Mei.

To qualify for coverage under the defects warranty you should operate and maintain your motorcycle according to the requirements of the Warranty Booklet, and the Maintenance Schedule in the Owner's Manual. This schedule is designed to keep your motorcycle emission control systems functioning properly by maintaining your motorcycle in peak operating condition. Hua Mei will not deny a warranty claim solely because of lack of maintenance records. However, failures caused by abuse or lack of required maintenance will not be covered by this warranty.

Hua Mei recommends that only parts supplied by Hua Mei or equivalent parts be used to repair your motorcycle. Maintenance, replacement, or repair of emission control devices and systems may be done by any motorcycle repair establishment or individual. Hua Mei will only pay for warranty repairs performed at an authorized Hua Mei

motorcycle repair facility (except in an emergency situation). An emergency situation exists when an Hua Mei dealership is not reasonably available, a warranted part is not available within 30 days, or when an authorized Hua Mei facility is unable to complete a repair within 30 days. In an emergency situation, the repair of emission control devices or systems may be done by any motorcycle repair establishment or individual, or by the owner, using any replacement part. Hua Mei will reimburse you for those emergency repairs, including diagnosis, covered by the Emissions Warranties. Parts reimbursement is at the manufacturer's suggested retail price, and labor reimbursement is at a geographically- appropriate hourly labor rate for Hua Mei recommended time allowance. For reimbursement, present the replaced parts and a copy of the paid receipt to Hua Mei.

The use of replacement parts not equivalent to the original parts may impair the effectiveness of your motorcycle's emissions control systems. If such a replacement part is used in the maintenance or repair of your motorcycle, and

an authorized Hua Mei dealer determines it is defective or caused a failure of a warranted part, your claim for repair to bring your motorcycle into compliance with applicable standards may be denied. If the part in question is not related to the reason your motorcycle fails to meet the standards, your claim will not be denied.

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying QJMOTOR.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However NHTSA cannot become involved in individual problems between you, your dealer, or QJMOTOR.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at: 1-888-327-4236 (TTY: 1-800-424-9153); Go to <https://www.nhtsa.gov/report-a-safety-problem#index>; or write to: Administrator, NHTSA, and 1200 New Jersey Avenue, SE, Washington, DC 20590.

You can also obtain other information about motor vehicle safety from

<https://www.nhtsa.gov/report-a-safety-problem#index>

California Proposition 65 Warning



WARNING:

Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.



Part Number: 02401B780001