



USER MANUAL

QJ125T-27F/LTM 125



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.

QJMOTOR

QJ125T-27F/LTM 125

Foreword

Thank you for choosing QJMOTOR LTM 125 EFI two-wheeled motorcycle. This type of motorcycle is produced based on advanced worldwide 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 thoroughly familiar with the regulations and requirements specified in the maintenance instructions.

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.

Our company has specialized service technicians and service departments all over the country, which can provide you with excellent technical service.

QJmotor Co., Ltd. will be in persistent pursuit of “making consumers more satisfied”. Please understand that any modification of the vehicle exterior and structure will result in the mismatch of some information between this manual and actual vehicles 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.

Zhejiang QJmotor Co., Ltd.

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 owner's manual carefully. Running-in as required enables the motorcycle to run stably at excellent performance and to prolong its service life.

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 personal injury or even death.

CAUTION: It indicates that failure to follow the instructions may result in personal injury or equipment damage.

NOTE: Information to help you better use your vehicle.

This manual should be considered a permanent part of the vehicle. Even when transferring the motorcycle to others, please hand this owner's manual over to the new owner. No part of this publication may be reproduced without written permission.

Special Remarks


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 tie or replace with other conductive objects directly; otherwise, it will cause damage to other components and result in fire accidents in severe cases.**

Fuse location: close to the battery

Fuse specification: 25A and 10A.

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 vehicle. If it is still blown after the spare fuse is replaced, you should immediately send the vehicle to the Maintenance Department of QJMOTOR for inspection. You can ride it after troubleshooting.

Precautions: ***When installing the battery for the first time or replacing the battery, pay attention to the positive and negative terminals. If there is a reverse connection, check that the fuse is in good condition. However, you should send it to the maintenance center for inspection regardless of whether the fuse is in good shape to prevent some electrical components from being damaged due to the reverse connection of the battery. If the damaged parts continue to work, they will cause unpredictable failures.**

*** Before replacing the fuse, turn the ignition switch to the “” position to prevent an**

accidental short circuit;

*** Do not damage the fuse holder when replacing the fuse. Otherwise, it will cause poor contact, damage to parts, and even fire accidents.**

No modification: Do not modify the vehicle or change the location of the original parts arbitrarily. Arbitrary modification will seriously affect the stability and safety of the vehicle and may cause the vehicle to fail to work properly. No unit or individual shall assemble a motor vehicle or change its registered construction, structure, or characteristics without authorization. QJMOTOR will not bear all quality problems and consequences (including loss of warranty) caused by the user's modification or replacement of unauthorized parts. Users are requested to comply with the traffic management department's regulations on the use of vehicles.

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

Contents

Motorcycle Safety	1	Correct Riding	11	Scheduled Inspection	18
Safe Driving.....	1	Speed Adjustment Controlled by the Throttle Control Grip	11	Replacement and Supplement of Engine Gear Oil.....	18
Wearing a Safety Helmet.....	1	Moderate Riding that Extends Engine Life.....	12	Parts and Components Lubrication	18
Riding Clothes	1	Use of Front and Rear Braking	12	Oil Collector	20
Precautions for Riding on Rainy Days	1	No emergency Braking or Sharp Turns.....	12	Spark plug	20
Carrying Things	2	Cautions for Riding on Rainy Days	12	Engine Idling	20
Motorcycle Series Number	2	Troubleshooting.....	13	Throttle Body.....	20
Part Name	3	Pre-trip Inspections	13	Fuel Injector and Fuel Circuit	21
Instrument	4	Brake handle free travel	13	Tires	21
Operations of All Parts	5	Fuel Inspection and Supplement.....	15	Tire Pressure	21
Key	5	Engine Oil Check and Change.....	15	Bulb (Light) Replacement.....	21
Ignition Switch.....	6	Steering Handle Inspection.....	16	Fuse	22
Right Handle.....	7	Brake Light Inspection	16	Battery	22
Left Handle	8	Inspection of the Headlight, Front Position Lamp, and Taillight.....	17	Air Filter	23
Side Stand	9	Tire Inspection.....	17	Catalytic Converter	24
Storage Box	9	Front and Rear Damping Inspections.....	17	Carbon Canister	24
USB Interface	10	Speedometer Function Check	17	ABS Maintenance (if any).....	24
Battery	10	Horn Inspection	17	Storage Guide	25
Starting a Motorcycle	10	Rear-view Mirror Inspection.....	17	LTM 125 Technical Specifications	26
Riding a Motorcycle	11	License Plate Inspection	17	Maintenance Schedule	27
Retracting the Center or Side stand.....	11	Exhaust Pipe Inspection.....	17		
Releasing the Brake Handle	11	Check that Past Anomalies Have Been Eliminated	17		
Slowly rotate the throttle control grip, and the motorcycle will begin to move forward.....	11				

Motorcycle Safety

Safe Driving

1. You must inspect the vehicle before driving to avoid accidents and damage to parts.
2. The driver must pass the examination of the traffic management department and obtain a driver's license consistent with the quasi-driving vehicle before driving. Lending the vehicle to a person without a driver's license or a quasi-driving qualification is not allowed.
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.
6. Turn on the turn signal early when turning or diverting to attract the attention of others.
7. Be careful at intersections, entrances, and exits of parking lots and on fast lanes.
8. Be sure to drive with both hands. One-handed driving is hazardous. The passenger should hold the safety armrest tightly and step on the footrest.

9. Refitting the motorcycle or disassembling the original parts arbitrarily will not guarantee driving safety, and it is not in compliance with the regulations, which will affect the vehicle's warranty.
10. The configured accessories must not affect the motorcycle's driving safety and handling performance, especially the overload of the electrical system which can easily cause danger.
11. Do not run the engine in a confined space. Burning exhaust gas will cause harm to people.

Wearing a Safety Helmet

A helmet that meets 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.

Riding Clothes

The riding clothes must be tight and comfortable, with eye-catching colors. Please fasten your cuffs before riding to avoid accidents caused by hooking the brake handle. For driving safety, please wear flat heels.

Precautions for Riding on Rainy Days

Pay special attention to wet and slippery roads due to the longer

braking distance on rainy days. Please avoid paint, manhole covers, and greasy roads when driving to prevent slipping. Be careful when passing through railway passes, iron gates, and bridges. Please slow down when you cannot judge the road condition.

Carrying Things

You will feel abnormal of the steering handle if you carry things when riding. Overloading may cause accidents or damage to the vehicle. Please note:

- The maximum load of the rear luggage rack is 3kg;
- The maximum load of the storage box under the seat is 10kg;
- The maximum load of the front storage box is 1.5kg.

Motorcycle Series Number

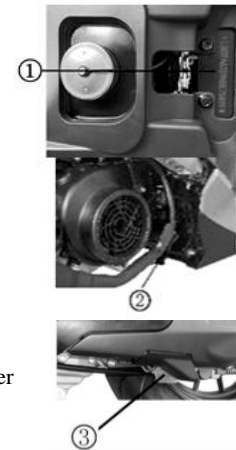
The vehicle identification number and engine number are used for registering motorcycles. When ordering accessories or requiring special services, this number can help QJMOTOR Maintenance Department to provide better services.

Please record the number for reference.

① The vehicle identification number is engraved on the rear of the frame (under the seat).

② The product label is riveted on the lower right side of the frame.

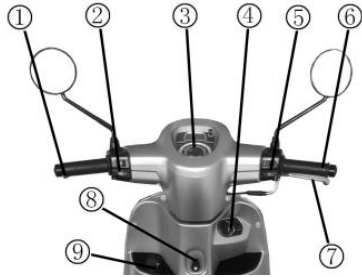
③ The engine number is engraved on the bottom of the left crankcase of the engine.



Vehicle identification number: _____

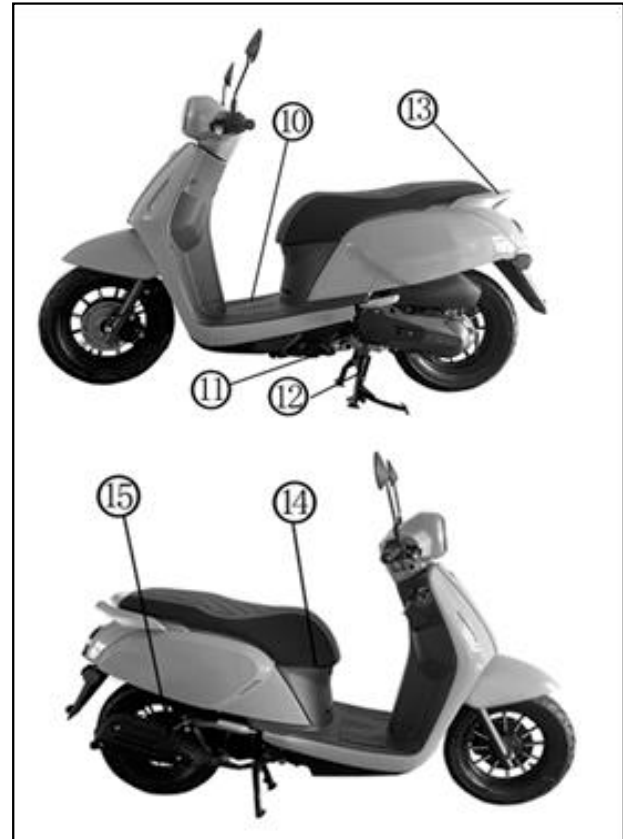
Engine number: _____

Part Name



- | | |
|-------------------------|--|
| (1) Rear brake handle | (2) Left handle switch |
| (3) Instrument assembly | (4) Ignition switch |
| (5) Right handle switch | (6) Throttle control grip |
| (7) Front brake handle | (8) Luggage hook |
| (9) USB interface | (10) Battery position (under footrest) |
| (11) Side stand | (12) Center stand |
| (13) Passenger armrests | (14) Storage box |
| (15) Exhaust muffler | |

(Note: This model is equipped with the optional front and rear independent braking systems or CBS braking system or ABS braking system, as well as optional tires, passenger armrests, and other configurations. The illustrations in this manual are for reference only. Detailed information is subject to the final product.)



Instrument

(1) High beam indicator light

When the high beam headlight is on, the blue high beam indicator light will illuminate, displaying the “**HO**” mark.

(2) Fuel gauge

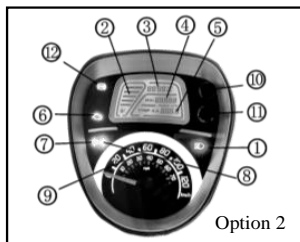
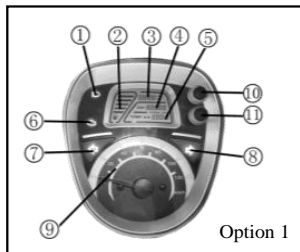
It indicates the fuel capacity in the fuel tank. The fuel indicator will keep flashing, indicating that the fuel is insufficient. Please refill the fuel in time.

(3) Clock display

Adjust the clock following the operation (11) **Function button (II)**.

(4) Odometer

The odometer (ODO) records all mileage traveled in kilometers (km). It can switch to the DTC function (DTC) (see “(11) **Function button (II)**” on page 4 below). The ODO mark is not shown when the DTC function is displayed in the ODO position, and the LCD displays P XXXX. The fixed P0000 is displayed if there is no fault code. The code will be scrolled and flashed if there is a fault code.



(5) Trip meter:

A trip meter (TRIP) is a kind of odometer that can be reset, which records the mileage traveled in a certain period. Under the trip meter (TRIP A or TRIP B), follow operations (6) and (7) above to reset the trip meter.

(6) Check engine light

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

(7) Left turn signal light indicator

When the turn signal light is turned to the left, the green indicator on the instrument will flash accordingly.

(8) Right turn signal light indicator

When the turn signal light is turned to the right, the green indicator on the instrument will flash accordingly.

(9) Speedometer

The speedometer indicates the range of the driving speed in km/h.

(10) Function button (I)

Short press: switch between TRIP A-TRIP B. Long press: reset the current TRIP.

(11) Function button (II)

Long press: within 20 seconds of power-on, enter the clock setting. Switch between ODO and DTC display after power-on for 20 seconds.

(12) ABS indicator light:

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

Operations of All Parts

Key

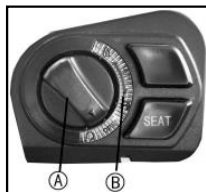
This model is equipped with the optional electronic remote keys and mechanical keys.

Electronic remote key (Optional 1)

An electronic remote key is provided with the vehicle.

① Keyless controller (PKE) start button:

Press the PKE start button on the remote key. The turn signal light will flash once, and the buzzer will beep once. The PKE function will be enabled. Press the PKE start button again. The turn signal light will flash twice, and the buzzer will beep twice. The PKE function is off. The remote key is within 1.5 meters from the vehicle controller (that is,



the remote key is with you). After the ignition switch knob ④ is pressed, the legality of the key is verified. After verification, the indicator light ⑤ is on for 5 seconds (blue). The steering lock relay is closed for 5 seconds. The turn signal light will flash once, and the buzzer will beep once.

After the power-on of the whole vehicle is completed, the indicator light goes out. The controller does not respond by long pressing the panic button, unlock button, or PKE start button.

Press the PKE start button on the remote key for 3 seconds. The turn signal light will flash once, and the buzzer will beep once. The PKE function is activated. Press the PKE start button on the remote key again. The turn signal light will flash twice, and the buzzer will beep twice. The PKE function is deactivated.



② **Unlock button:** After the PKE function is activated, press the unlock button on the remote key. The ignition switch indicator light will be on for 20 seconds. The steering lock relay will be closed for 20 seconds. The turn signal light will flash once, and the buzzer will beep once. After 20 seconds, the steering will be locked. The turn signal light will flash twice, and the buzzer will beep twice.

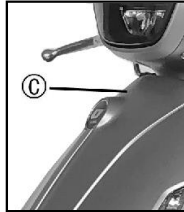
③ Panic button

Press the panic button on the remote key, and the turn signal light will flash five times.

④ **Key indicator light:** When performing the above operations, the key indicator light will flash.

Emergency unlock function of electronic remote key:

The front plastic part of the vehicle (position ① shown) is equipped with an electronic remote key signal antenna. When the electronic remote key runs out of power, take the remote key close to the antenna position (about 4-5cm). The keyless controller (PKE) can sense the remote key to unlock the ignition switch.



Replacement of electronic remote key battery:

Open the key from the middle gap on both sides of the electronic remote key, push the button cell ⑤ to be replaced out of the mounting seat, and install the new specification CR 2032 3V button cell. Note that the positive pole (+) is installed upwards.



Mechanical key (Optional 2)



Two mechanical keys are provided with the vehicle, one for riding with the vehicle and the other for storage.








Ignition Switch

This model is equipped with optional keyless and or standard ignition switches.

Keyless ignition switch (Optional 1)

“” mark - When the ignition switch knob is turned to the “” mark position, the power is off, and the engine cannot be started;

“” mark - When the ignition switch knob is turned to the “” mark position, the power is on, and the engine can be started;

“” position: When the ignition switch knob is in the “” mark position, turn the steering handle to the left, press down on the knob and turn it counterclockwise to the “” position at the same time. The steering lock extends out of the lock cylinder, and the vehicle steering is locked.

“SEAT”: When turning to the “SEAT” mark position, press the right SEAT icon button to open the seat.



Standard ignition switch (Optional 2)

This ignition switch has an electromagnetic anti-theft function.

When the switch under the ignition switch is turned to the “OPEN” position, the key can be inserted into the upper keyhole. When the switch is turned to the “SHUT” position, the upper keyhole is closed, and it is opened only when the “key handle switch” is turned back to the “OPEN” position.

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

“OPEN” mark - When the key is turned to the “OPEN” mark position, press the right SEAT icon button to open the seat.



“⊗” mark - When the key is turned to the “⊗” mark position, the power is off, the engine cannot be started, and the key can be taken out; in this mark position, rotate the key gently counterclockwise (that is, the “SEAT OPEN” arrow direction), and the seat will be opened.

“🔒” mark - Turn the steering handle to the left, press down the key and turn it to the “🔒” mark position, and take out the key. The vehicle steering is locked. If you insert the key and turn it to the

“⊗” mark position, the vehicle steering will be automatically unlocked;

NOTE:

When you open the seat, complete the picking and placing of items, and prepare to leave, be sure to lock the steering. When the ignition switch knob is in the “SEAT” position, others can also open the seat, which will cause the loss of your vehicle or property under the seat.

NOTE:

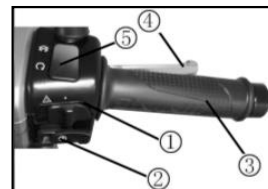
Please lock the steering and remove the key when parking to prevent theft. After locking, turn the steering handle gently to confirm whether it is locked. Please do not park in places that block traffic.

Right Handle

① Light switch

Hazard warning light button

Press the hazard warning light button. The front and rear turn signal lights flash simultaneously to remind you of the danger.



“●” mark - When the light switch button is in the “●” mark position, all lights are off.

② Electric start switch

“(⊗)” mark - Hold the brake handle tightly, press the electric start switch button, and slightly rotate the throttle control grip in your direction. The engine can be started.

NOTE:

After starting the engine, releases the electric start button immediately. You cannot press the electric start switch button during the engine running; the time for each start should not exceed 3 seconds, and the interval should be 10 seconds. If the engine cannot be started five times, you should stop using the electric start function to prevent excessive battery discharge. You can only use it after troubleshooting the possible faults.

③ Throttle control grip

The throttle control grip is used to control the engine speed. If you want to accelerate, turn the grip in your direction. Otherwise, release the grip to decelerate.

④ Front brake handle

Slowly hold the brake handle with the right hand when applying the front brake. When the front brake handle is pressed, the brake light

will come on automatically.

⑤ Start/Flameout switch

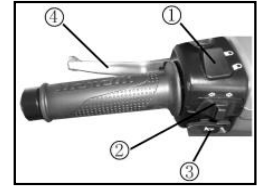
When the switch is turned to the “○” position, the vehicle circuit is turned on and the engine can be started.

When the switch is turned to the “⊗” position, the vehicle circuit is cut off, and the engine cannot be started.

Left Handle

① Toggle switch of the high and low beam headlights


“≡○” mark - When the toggle switch button of the high and low beam headlights is in the “≡○” mark position, the high and low beam headlights light up at the same time, and the blue high beam indicator on the instrument illuminates.



“≡○” mark - When the toggle switch button is in the “≡○” mark position, the low beam headlight is on. According to the road traffic safety requirements, when you drive in an urban area or see a vehicle in the front, switch to the low beam light so as not to affect the line of sight of the other party.

② Turn signal light switch


When you turn the switch to the “←” position, the front left/rear

left turn signal light will flash. When you turn the switch to the “” position, the front right/rear right turn signal light will flash. When the turn signal lights are switched, the green turn indicators on the instrument panel flash accordingly.

WARNING:

When changing lanes or turning, switch on the turn signal light in advance. Make sure no vehicle is passing behind. 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.

③ **Horn switch**

When you set the main switch to the “” position, press the horn button, and the horn will sound.

④ **Left brake handle**

When the left brake handle is clenched, the brake light will come on automatically.

Slowly hold the brake handle of the left handle and brake the front and rear wheels at the same time.

Side Stand

The side stand is located on the left side of the vehicle. When parking, please kick the side stand in place with your feet. The side stand has an automatic flameout function. When the side stand is in the parking state (the side stand is down), the engine cannot be started or automatically flameout. The engine can be started

normally only when the side stand is retracted.

NOTE:

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.

Storage Box

The storage box is located directly under the seat. When you turn the ignition switch to the “SEAT” mark position, press the SEAT icon button to open the seat, and then store the things after raising the seat. Put down the seat and gently press the tail of the seat to lock it.

When you place the helmet, please make the helmet jaw downward.

NOTE:

The load of the storage box shall not exceed 10kg at most, and the load of the front luggage shall not exceed 1.5kg.

Please confirm whether the seat is locked after placing the things. Due to the high temperature of the engine, the items, food, and combustible items with low heat resistance should not be placed in the box.

Do not place valuables in the storage box.

When you wash the vehicle, water will occasionally enter. You should pay special attention to essential items inside.

USB Interface

There is a (5V/2A) USB interface inside the left storage box at the front of the vehicle, which can be used to charge mobile phones and other components.



Battery


(1) Battery specification is 12V/6AH.

(2) The battery is installed under the footrest.

(3) The method of taking out the battery: turn off the power, use a screwdriver to unscrew the screw fixed on the battery box cover under the footrest, remove the battery box cover, and remove the battery negative and positive mounting bolts to take out the battery. Battery installation shall be carried out in reverse order. Meanwhile, the fuse is also installed in it.



Starting a Motorcycle

1. Check the fuel quantity and oil level before starting the engine. The fuel quantity should meet the needs of the estimated mileage, and the oil level should be within the upper and lower limits of the oil dipstick. If the fuel or oil is insufficient, please add it in time.
2. Retract the side stand and support the motorcycle with the center stand so the rear wheel can be reliably off the ground.
3. Turn the main switch to the “” position.
4. Hold the brake handle tightly and press the electric start button on the right handle to start the motorcycle.

WARNING:

Irregular operation of the engine start may be dangerous. If the center stand is not supported when starting the engine, turning the throttle control grip inward will cause the motorcycle to rush forward. Please support the center stand before starting the engine. You can put down the center stand only when the engine is idling. Therefore, do not accelerate the vehicle before driving to avoid accidents and other dangers.

Do not start the engine in a poorly ventilated place because the tail gas is toxic. Turn engine off if no one is around there.

NOTE:

When not driving, please do not let the engine idle for too long. Too long idling can cause the engine to overheat and damage its internal parts.

Riding a Motorcycle

(1) Retracting the Center or Side stand

Push the vehicle forward, and the center stand will bounce automatically.

If you use a side stand to park the vehicle, straighten it, and then gently kick the side stand back to its original position, cross the vehicle from the left, sit upright and touch the ground with the left foot to prevent tipping.

CAUTION:

After the motorcycle is started, the brake should be kept before driving.

NOTE:

The side stand of this model has an automatic flameout function. The engine can be started normally only when the side stand is retracted.

(2) Releasing the Brake Handle

WARNING:

After the brake handle is released, do not accelerate the vehicle at will to avoid the danger of rushing forward due to a sudden increase in the speed of the vehicle.

(3) Slowly rotate the throttle control grip, and the motorcycle will begin to move forward.

WARNING:

You must not rotate the throttle control grip quickly to prevent the vehicle from rushing.

(4) Correct Riding

When the vehicle starts, turn on the turn signal light, honk the horn, adjust the field of view of the rear-view mirror, and confirm the safety of the rear before driving.

(5) Speed Adjustment Controlled by the Throttle Control Grip

- Turn inward - The throttle control grip turns inward (in your direction), and the driving speed will become faster. Accelerate the vehicle slowly and smoothly. Slowly turn the throttle control grip when starting or going uphill, and the power will increase.
- Return to the original position - Release the throttle control grip, and the driving speed will slow down. Be agile for returning.

(6) Moderate Riding that Extends Engine Life

The engine running-in period is within 1500km of the new vehicle.

Please keep it below 60km per hour and avoid rapid acceleration.

The details are as follows:

Mileage (km)	0-300	300-500	500-1000	1000-1500
Speed (km/h)	25-30	35-40	45-50	55-60

You should change the gearbox oil in a hot condition after the running-in period.

(7) Use of Front and Rear Braking

Please use the front and rear brakes simultaneously when the throttle is closed.

You should “slowly” apply the brake at the beginning, and then step (pull) to the end, which is the most reasonable braking method.

WARNING:

The speed of the vehicle is proportional to the braking distance. Please estimate the distance between the vehicle or object ahead and you, and keep a safe distance.

Inexperienced people often only use the rear brake. Be careful that applying the single-wheel brake can easily make the vehicle unstable, causing slipping and accelerating the wear of the brake.

(8) No emergency Braking or Sharp Turns

It is perilous that emergency braking or sharp turns are the leading

cause of lateral slip and tipping.

(9) Cautions for Riding on Rainy Days

The braking distance will be extended due to wet and slippery roads on rainy days. You should slow down while maintaining a safe distance and drive carefully to brake in advance.

When going downhill, return the throttle control grip to the closed position, and apply moderate intermittent braking to slow down.


(10) Parking Method

- When approaching the parking place

Turn on the turn signal light in advance, observe the pedestrians and vehicles behind through the rear-view mirror, pay attention to passing vehicles, and decelerate slowly.

Turn off the throttle and use the front and rear brakes. The brake light will be on to warn the vehicles behind.

- When parking

Turn off the turn signal light and turn the main switch to the “” position.

Support the center stand on a flat place. Do not hinder the traffic. If the terrain is uneven, the vehicle will easily overturn.

Grasp the steering handle with your left hand, hold the armrest on the side of the seat with your right hand, step on the center stand

kick lever, and then pull the vehicle back with your right hand.
After the vehicle is stopped, lock the steering and remove the key to prevent accidents.

(11) Troubleshooting

If the engine cannot be started normally, check the following items:

- a. Check for sufficient fuel in the fuel tank.
- b. Start the engine several times and check that the fuel flows to the injector.
- c. If fuel flows to the injector, check the ignition system.
- d. Remove the spark plug, place it against the metal body of the engine, and start the engine to check for spark. If there is no spark, please hand it over to the QJMOTOR Maintenance Department for inspection.

WARNING:

Do not make the spark plug close to the spark plug hole of the cylinder head or near the fuel tank.
Because the fuel vapor will ignite, there is a risk of fire.

NOTE:

If you are unsure about the failure, please get in touch with the QJMOTOR Maintenance Department in time because they have the best technology and corresponding special tools to provide

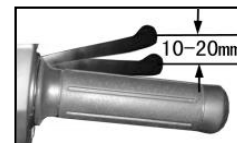
you with the best services. Especially when your motorcycle is under warranty, do not remove the parts on the motorcycle by yourself, which will affect your vehicle warranty.

Pre-trip Inspections

Vehicle inspection before driving can avoid the trouble caused by many failures during driving and ensure driving safety.

■ Front and Rear Braking Inspections

This vehicle model's front and rear brake systems are manually operated, with the optional front disc and rear drum independent brake system or front disc and rear disc combined brake system (CBS) or front disc and rear disc anti-lock brake system (ABS). In the CBS brake system, the right brake handle controls the front wheel, and the left brake handle controls the front and rear wheels at the same time.



(1) Brake handle free travel

Free travels of front and rear brake handles are 10 - 20mm.

“Free travel” refers to the distance moved by the front end of the brake handle for braking. The brake handle should have proper free travel and be operated smoothly and recovered freely.

(2) Check for normal braking performance

When driving on a dry road, slow down and see if the front and rear braking effects are good. And frequently adjust to ensure the best braking performance.

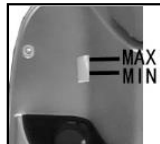
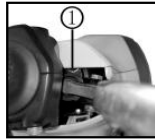
(3) Brake fluid

This vehicle uses DOT4 brake fluid. Do not use the remaining fluid from the opening cylinder or the brake fluid left by the last maintenance because the old fluid will absorb moisture in the air. Be careful not to splash brake fluid on painted or plastic surfaces because it will erode the surface of these substances.

Check the fluid level in the brake fluid reservoir. If the level drops to the lower limit, add the specified brake fluid to the upper limit. When the friction plate is worn out, the fluid in the reservoir will be automatically injected into the oil pressure pipe, and the fluid level will decrease.

In the front disc and rear disc combined brake system, the front and rear brake fluid reservoirs are on the inside of the plastic parts on the left and right handles of the vehicle, and the observation hole of the combined brake fluid reservoir is located above the USB interface at the front of the vehicle.

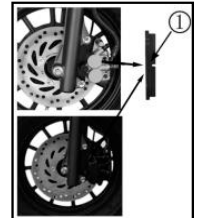
Check the fluid level in the front or rear brake fluid reservoir. If the level drops to the lower limit ①, add the specified brake fluid to the



upper limit. Check the fluid level in the combined brake fluid reservoir. If the level drops to the lower limit marked at MIN, add the specified brake fluid to the upper limit marked at MAX. When the friction plate is worn out, the fluid in the cylinder will be automatically injected into the brake hose pipe, and the fluid level decreases.

(4) Front friction plate

Regularly check whether the wear of the friction plate has reached the scoring limit ①. If the wear reaches the scoring limit, replace with new friction plate in time to maintain the best braking performance.



WARNING:

For the rear drum brake adjustment, the recess of the adjusting nut should be aligned with the outer circle of the rocker pin to prevent the danger caused by changes during driving.

If the brake system or friction plate needs to be repaired, we advise you to ask a distributor for repair.

The disc brake system uses high-pressure braking. For safety, the oil pressure pipe should be replaced every four years, and the brake fluid should be changed every two years.

Do not ride the motorcycle immediately if a new friction plate has just been replaced. Grasp and release the brake handle a few times to fully extend the friction plate and restore the normal handle support force, and make the brake fluid cycle stable. Meanwhile, apply the brake at a low speed to make the braking performance meet the requirements.

■ Fuel Inspection and Supplement

There should be sufficient fuel for planned travel distance.

The fuel gauge flashes, indicating that the fuel is insufficient. Please refill the fuel in time. Using unleaded fuel will fully play the engine's performance and extend its service life. Non-conforming or inferior fuel will damage the engine to cause failure.

WARNING:

The engine must be turned off when refueling. The main switch should be off, and the heat source and fire source should be kept away.

When refilling fuel, the level shall not exceed the reference line, which will easily cause fuel to penetrate. The recommended filling amount is 90% of the fuel tank volume.

■ Engine Oil Check and Change

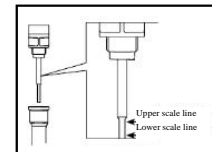
For the performance and durable use of the engine, it is vital to choose high-quality engine oil and regularly change with new engine oil. Frequent inspection of oil levels and regular oil changes are two

essential tasks that must be performed in maintenance items.

Please check the oil level frequently, and add and change the oil if necessary. Start the engine and let it idle for a few minutes, then turn it off. Stop for one minute and start the check:



- ① Support the center stand, remove the oil dipstick ①, and wipe it clean.
- ② Reinsert the oil dipstick (do not screw it in).
- ③ Take out the oil dipstick. Check if the oil is lower than the lower limit position. Please refill the oil to the upper limit position if it is lower.
- ④ Change the oil after the new vehicle travels 1000km, and carry out the subsequent maintenance mileage according to the “maintenance schedule”.
- ⑤ The oil capacity is 0.7L, which is about 0.65L when replacing the oil.
- ⑥ The oil capacity should not be lower than the lower limit of the oil dipstick.
- ⑦ When driving under dusty, cold, and poor road conditions, the oil is more likely to deteriorate. Please replace it in advance.
- ⑧ Please use a high clarity and high-performance engine oil that meets SJ grade or higher. The factory's recommended model is SJ 10W-40. High-performance QJMOTOR special oil shall be preferred.



Please go to the QJMOTOR Maintenance Department to buy QJMOTOR special oil.

NOTE:

During use, check the oil capacity frequently. When it is insufficient, please refill it in time.

If the vehicle is tilted or parked on a slope, the oil level measurement is incorrect.

Please avoid burns if you check the level when the engine is just stopped.

Special attention:

When the initial running-in mileage reaches 10000km, you should filter the oil and re-adjust the valve clearance to the specified requirements. (The subsequent maintenance mileage shall be carried out according to the “maintenance schedule”.) At the same time, check the oil level frequently. Add the engine oil specified in this manual if necessary.

The steps for an oil change are as follows (the oil change should be carried out when the engine is warmed up):

- (1) Place the motorcycle on its center stand on flat ground.
- (2) Unscrew the oil dipstick when the engine is turned off.
- (3) Place an oil container directly under the oil drain bolt at the bottom of the engine;
- (4) Unscrew the oil drain bolts to drain the old oil.

(5) Start the engine several times to drain the engine oil.

(6) Screw back the engine drain bolts and tighten them.

(7) Inject new oil that meets the specifications into the engine through the oil hole and reinstall it. Please be sure to use our recommended or specified engine oil.

(8) Restart the engine and carefully check for 2-3 minutes at different speeds to determine whether there is oil leakage at the drain bolts.

(9) Turn off the engine and re-use the oil dipstick to check whether the oil level is between the upper and lower limits. If the oil is insufficient, please add it to the upper limit of the dipstick.

■ **Steering Handle Inspection**


Swing the steering handle up, down, forward, backward, left and right to check if it is loose.

Check whether steering is too tight.

Check for broken steering handle.

If any abnormal phenomenon is found, please go to our QJMOTOR Maintenance Department for maintenance.


■ **Brake Light Inspection**

Turn the main switch to the “” position.

Brake the left and the right brake handles respectively to confirm whether the brake light will be on.

Check the brake light cover for contamination or damage.

■ **Turn Signal Light Inspection**

Turn the main switch to the “

Operate the turn signal light switch to confirm whether the front, rear, left, and right turn signal lights and turn indicator lights flash.

Check the light cover for damage or contamination.

■ Inspection of the Headlight, Front Position Lamp, and Taillight

Operate the light switch after the engine is started to check whether the lights will come on.

Check the light cover for contamination or damage.

■ Tire Inspection

Check the pressure of the front and rear tires.

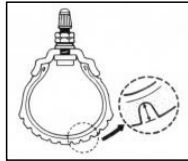
Normal tire pressure:

Front wheel: $190\pm 10\text{kPa}$; Rear wheel: $210\pm 10\text{kPa}$

Check whether there are metal fragments and gravel in the tire groove. If there are, remove them before driving.

When the tire cracks or the depth of the tire groove wear reaches the limit, please replace it with a new tire.

The pattern depth on the tire crown pattern should be greater than or equal to 0.8mm. If it wears down to less than 0.8mm, replace it with a new tire. Abnormally worn tires can easily cause harm during driving.




■ Front and Rear Damping Inspections

Add the weight to the steering handle and seat, and swing up and down. Check that the front and rear damping is good.

■ Speedometer Function Check

Check that all functions of the speedometer work properly.

■ Horn Inspection

Turn the main switch to the “

Check that the horn will sound.

■ Rear-view Mirror Inspection

Sit in the driving position and look at the mirror surface of the rear-view mirror under the normal driving state to confirm whether the angle of the rear-view mirror is appropriate. You should be able to see the rear situation. Also, check for damage or contamination.

■ License Plate Inspection

Check the license plate for damage or looseness.

■ Exhaust Pipe Inspection

Check whether the exhaust pipe is loose or the exhaust noise is loud.

■ Check that Past Anomalies Have Been Eliminated

Scheduled Inspection

Please do regular inspections and maintenance to maintain good performance and drive safely and comfortably. The company's QJMOTOR Maintenance Department can do after-sales service and maintenance work for you in time. Please refer to the maintenance schedule for inspection time and items.

WARNING:

The regular maintenance after the vehicle running-in mileage reaches 1000km is a must-follow item. Please carefully carry out routine maintenance following the manual.

(1) Replacement and Supplement of Engine Gear Oil

Park the vehicle and stop the engine for 2-3 minutes, then open the oiling screw and check the gear oil.

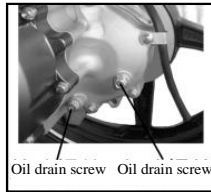
If the oil is insufficient, please add appropriate gear oil.

Replace the gear oil every half a year or 5000km.

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

Gear oil capacity is 0.12L, which is 0.11L when replacing the oil.

Check the gearbox for oil leakage.



NOTE:

Gear oil must be added from the adjusting screw hole.

Too much or too little gear oil will affect the engine performance.

Do not use another brand of gear oil or inferior oil.

You should replace the gear oil frequently when riding under harsh conditions.

(2) Parts and Components Lubrication

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 driving it for a long mile or if the vehicle is wet due to rain or washing. Detailed lubrication points are shown in the following figure:



☒ Motorcycle lubricant

☒ Lubricating grease

(1) Speedometer gear and gear shaft bearing ☒ ★

(2) Side stand brackets and spring hook ☒

(3) Center stand shaft and spring hook ☒

(4) Throttle cable ☒

(5) Front brake handle screw (pin shaft) ☒

(6) Rear brake handle screw (pin shaft) ☒

(7) Rear brake rocker axle ☒ ★ (if any)

(8) Rear brake cable ☒ (if any)

NOTE:

The above lubrication items with “★” mark shall be carried out by professional service technicians of the QJMOTOR Maintenance Department.

(3) Oil Collector

The oil capacity in the oil collector of the air filter should be checked frequently. If there is oil in the oil collector, it should be drained in time.

The oil drain method: loosen the clamp and move up, pull out the plug from the oil collector, and drain the oil in the oil collector.

After draining the oil, insert the plug into the oil collector, loosen the clamp and move it down to fasten the plug.

(4) Spark plug

After 1000km of running-in, check the spark plug once every 5000km. After every 10000km, replace the spark plug.

Spark plug gap: 0.6 - 0.7mm

Spark plug model: B7RTC

**CAUTION:**

The standard spark plug for this type of motorcycle is carefully selected and can adapt to most of the operating range. Please select according to the specified model. If you choose an inappropriate spark plug, it will cause severe damage to the engine.

Do not screw the spark plug so tightly that the threads are 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.

(5) Engine Idling

The stepper motor configured in the motorcycle automatically adjusts the idle speed to the appropriate range. If adjustment is required, please contact the QJMOTOR Maintenance Department.

(6) Throttle Body

The idling speed of the motorcycle will be reduced due to the pollution of the throttle body. Clean the throttle body every 20000km traveled.

When cleaning the throttle body, disconnect the battery negative terminal and the sensor connector installed on the throttle body; dismantle the throttle 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 brush off dust and carbon deposits.

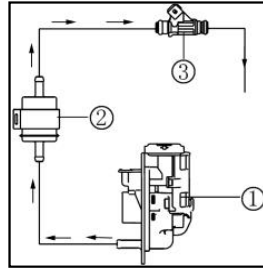
After cleaning, according to the reverse operation, install the throttle body. Make sure all parts are installed and try to start the engine successfully.

NOTE:

Be careful not to let impurities block the bypass airway.

(7) Fuel Injector and Fuel Circuit

There is one interface on the fuel pump ①. 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.

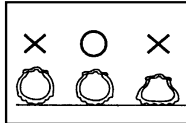


Please connect the inlet and return pipes according to the figure on the right.

(8) Tires

During regular inspections, check the tire pressure and pattern depth.

To ensure maximum safety and prolonged use time, in addition to regular inspections, frequent inspections are also required during routine use.



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

(9) Tire Pressure

Inadequate tire pressure will accelerate tire wear and seriously affect driving stability. Low tire pressure makes steering difficult, but excessive tire pressure will reduce the tire's grip ability, making it easy to slip and lose control. The tire pressure must be kept within the specified limit. Tire pressure adjustment should be carried out at a low temperature.

Front wheel tire pressure (cold)	190±10 kpa
Rear wheel tire pressure (cold)	210±10 kpa

WARNING:

Tire pressure and wear status are significant to the function and safety of the vehicle. Please check the pattern wear and tire pressure status frequently.

(10) Bulb (Light) Replacement

When replacing a broken bulb, be sure to use a bulb with the same rating. If a bulb with a different wattage rating is used, the circuit system may be overloaded, and the bulbs may be damaged

prematurely. This vehicle model's illumination and light signal devices use LED light sources that are not easy to be damaged. If you need to replace them under particular circumstances, please contact the QJMOTOR Maintenance Department for help.

(11) Fuse

The fuse is close to the battery. If the fuse burns frequently, it indicates that there is a short circuit or the circuit is overloaded. Please entrust the QJMOTOR Maintenance Department to repair it in time.

WARNING:

Do not use other fuses outside the specified specifications or replace them with copper wires. Otherwise, it will have serious adverse effects on the circuit system and even cause fire or burn the lights and lose the engine traction, which is very dangerous.

(12) Battery

The battery is located in the footrest. The battery equipped with this vehicle is a valve-controlled wet-charged MF battery. It is strictly forbidden to pry the battery case.

When the battery is removed for inspection, please proceed in the following order:

- (1) Turn off the ignition switch of the motorcycle.
- (2) Remove the battery compartment cover.

(3) Remove the negative terminal (-) and then the positive terminal (+).

(4) Gently take out the battery.

Battery installation shall be carried out in reverse order.



NOTE:

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. If you use different types of batteries, it may affect the performance and life of the motorcycle and may cause circuit failure.

If the motorcycle is not used for a long time, the battery should be removed for storage and charged once a month.

WARNING:

The battery will produce flammable gas during use and charging, so do not approach open flames or sparks during charging.

The battery is equipped with sulfuric acid (electrolyte), which is highly corrosive. Therefore, preventing the human body, clothes, vehicles, etc., from contacting the electrolyte is necessary. Once contacted, rinse with water immediately. In case of contact with eyes, rinse immediately with plenty of water and seek medical treatment in time. Skin or eye contact with the electrolyte may cause severe burns.

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 shall not be subjected to strong mechanical impact and exposure to the sun and rain and shall not be inverted.

(13) Air Filter

The air filter is located on the left side of the motorcycle near the rear wheel. If the air filter is clogged with dust, the air intake resistance increases, and the output power decreases while the fuel consumption



rises. To achieve the best filtering effect, the company adopts the QJMOTOR new technology two-way high-performance filtering mechanism on this vehicle.

The filter element of this air filter 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 must be replaced every 10000km. Please replace the filter element of the air filter in the following order:

- (1) Remove the retaining screw on the side cover of the air filter and then the side cover of the air filter to see the paper filter element;
- (2) Take out the filter element;
- (3) Replace it with a new paper filter element.
- (4) Install the cleaned air filter element in the reverse order of removal.

You must confirm that the air filter element is installed firmly in its original position and is properly sealed.

WARNING:

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 Maintenance Department.

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.

(14) Catalytic Converter

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

The catalytic converter contains precious metals, which can purify harmful substances in motorcycle exhaust.

Since the catalytic converter is critical, a faulty catalytic converter may pollute the air and damage your engine performance. If you need to replace the muffler and other components, please remember to use the original QJMOTOR parts or entrust QJMOTOR Maintenance Department to replace them.

NOTE:

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

(15) 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.

(16) ABS Maintenance (if any)

After the ignition switch is turned on, the ABS indicator light on the instrument will illuminate. After the riding speed reaches 5km/h, the ABS indicator light will go out. At this time, the ABS is in a normal working state; If it suddenly flashes first and then lights up all the time during driving, it indicates that the ABS is not working.

If ABS is not working, please check that the ABS connector is installed and that the clearance between the ABS wheel speed sensor and the ring gear is within the range of 0.5~1.5mm.

If the ABS wheel speed sensor is damaged, the ABS indicator light will flash, 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 Maintenance Department.

Storage Guide

If you need to store the motorcycle for a long time, drain the fuel accumulated in the fuel injector, clean all parts of the vehicle, and take out the battery. If you store it for more than one month, add about 15-20ml of oil to the cylinder and start the engine several times to make the oil spread evenly. Please store it at room temperature.

The vehicle shall be cleaned for storage and removal, and the battery shall be checked. A comprehensive inspection shall be carried out before driving.

If the vehicle is stored for more than six months for a long time, the fuel retained in the fuel system will increase the risk of gel condensation, resulting in difficulty in starting the vehicle, weak acceleration, or inability to start, mainly affecting the fuel injector and fuel pump. Please solve the above problems according to the following three solutions:

1. General cleaning: start the vehicle continuously, pull up the throttle, and run for 2 minutes after the engine is started. The slight

glue condensation will improve until it is eliminated.

2. Deep cleaning: Disassemble the fuel pump and the fuel injector, remove the condensate at the exhaust port of the fuel pump, put the fuel pump into clean fuel, power it with a voltage of 16V, and keep it working for more than 5 minutes; use a smooth and compact blade to remove the condensate from the injector hole, and then power it with 16-18V to make the injector work for 3 seconds, repeating 3-5 times; Generally, severe condensation will also be improved until it is eliminated.

3. If the above treatment does not work, please replace the fuel pump and injector.

LTM 125 Technical Specifications

Engine	single cylinder, four-stroke, forced air cooling (QJ154QMI-5A)	
Displacement	124ml	
Cylinder bore × stroke	53.5mm×55.0mm	
Max net power	6.3KW/7500r/min	
Maximum torque	9.0N·m/6000 r/min	
Ignition method	ECU electric control	
Startup method	Electric starting	
Tank capacity	6.0±0.5L	
Curb weight	107kg	
Length × Width × Height	1900 × 710 × 1100mm 1915 × 710 × 1100mm (Optional)	
Wheel base	1300mm	
Tire specifications	Front wheel: 100/90-12 or 90/90-12 Rear wheel: 110/90-12	
Brake mode	Independent front and rear braking or CBS or ABS	Front: disc brake
		Rear: disc brake or drum brake

Maintenance Schedule

Notes:

I: Inspect. If necessary, clean, adjust, lubricate or replace

C: Clean

R: Replace

A: Adjust

L: Lubricate

*: It must be overhauled by the QJMOTOR Maintenance Department. The owner shall bring his/her qualified tools and overhaul data. If the owner overhauls himself/herself, he/she shall also refer to the maintenance instructions.

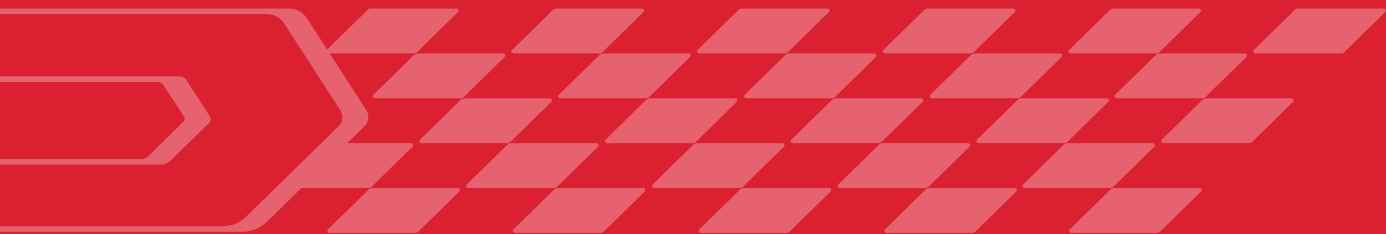
* *: For safety reasons, the company recommends that the QJMOTOR Maintenance Department shall overhaul the item.

Note 1: If the odometer reading is high, the maintenance shall be repeated according to the cycle specified above.

Note 2: If you ride a motorcycle in humid or dusty areas, it is best to shorten the required maintenance cycle. Especially the air filter maintenance cycle needs to be shortened to extend its life.

Note 3: Frequent maintenance is necessary when often driving on bumpy roads.

Item	Cycle	Odometer reading				
		1000km	5000km	10000km	15000km	20000km
Fuel line		I	I	I	I	I
		R Replace the fuel hose every 4 years.				
Throttle operations		I	I	I	I	I
Air filter	(Note 2)	I	C	R	C	R
Spark plug			I	I,R	I	I,R
Throttle valve body		I	I	I	I	C
Fuel evaporative emission control system		I	I	I	I	I
		R Replace the steam hose every 4 years.				
Engine oil		R	I Inspect the oil level every 1000km; R Replace the oil every 10000km			
Gear oil		R		R		R
Brake pad wear				I		I
Brake hose		I	I	I	I	I
*Drive belt				I		R
Light, signal, and switch		I	I	I	I	I
**Headlight		A			A	
* Clutch shoe wear				I		
*Shock absorber		I	I	I	I	I
**Handle pivot		I,L	I,L	I,L	I,L	I,L
**Side stand pivot		I,L	I,L	I,L	I,L	I,L
**Nuts, bolts, and fasteners	(Note 3)	I		I		I
**Wheel1, tire2, and wheel bearings	(Note 3)	I ^{1,2}	I	I	I	I
		I	I	I	I	I
**Steering bearing		L Moderately lubricate with grease every 10000 km or 12 months.				
*Brake hose		I	I	I	I	I
		R Replace it every four years.				
*Brake fluid		I	I	I	I	I
		R Replace it every two years.				



+86576 86139262
WWW.QJMOTOR.COM
@QJMOTOR