



SENKE

The manual of SK150-9

please study this manual carefully before using the motorcycle at your first time

FOREWORD

Thank you for choosing SENKE SK150-9 motorcycle. To ensure you a pleasure and safe riding, please be sure to read this manual carefully before formal operation.

This manual summarized the method of how to use and maintain the model correctly. If you can follow the rules and guidelines of the manual strictly, then your motorcycle could be durable and keep in good condition. The after-sales staff who received specialized training from qualified distribution unit has accumulated rich experience; they will provide you excellent after-sales service with sincere and warm attitude and complete tool equipment.

All the date、 pictures and specifications are of the latest products when this manual published. Due to the continuous improvement and other changes of products, there maybe some discrepancies with the actual condition. We reserve the right to appropriate changes at any time.

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一、NOTICE OF USER

Safety instruction for driver's operation

Motorcycle riding is of great fun and an exciting sport. Motorcycle riding also requires that some extra precautions be taken to ensure a safe riding, you must obey the traffic rules and the following provisions.

Wear safety helmet

Safe riding starts from wearing a safety helmet. This is an important factor of driving motorcycle. You must wear helmet that meets safety standard when driving motorcycle.

Riding apparel

Loose, fancy clothing can be uncomfortable and unsafe when riding your motorcycle choose good quality motorcycle riding apparel when riding your motorcycle.

Inspection before riding

Please read all the instructions in INSPECTION BEFORE RIDING. In accordance with the driving provisions will assure a safety riding for you and passenger.

Be familiar with your motorcycle structure

Your riding skill and your mechanical knowledge is the foundation for safe riding practices. We suggest that you practice riding your motorcycle in a non-traffic situation until you are thoroughly familiar with your machine and its controls. Remember practice makes perfect.

Don't refitting

Without manufacturer's approve, any refit of this model(e.g. adding the third tire) can lead to unpredictable risk. To refit the model optionally or remove the original device can not guarantee the safety of driving and it is illegal. User must comply with the using rules of vehicles from the traffic administrative department.

Know your limits

Ride within the boundaries of your own skill at all times. Knowing these limits and staying within them will help you to avoid accidents.

Pay extra attention to safety in rainy days

Take special note in rainy days. Keep in mind the braking distance of rainy day is twice as much as sunny days. Stay off manhole cover, painted marks and greasy dirt when driving. Don't take a sudden turn while driving. Be very careful when pass railways and bridges. Remember to keep a safe distance from the motorcycle in front.

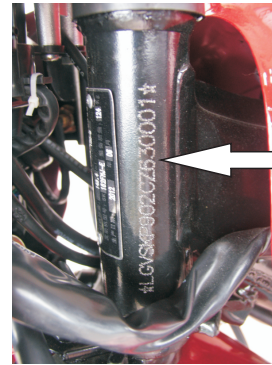
Do not overload

The maximum load of this model is 150kg, it can be hazardous if over loading and it will be difficult to control the motorcycle when riding. Please remember no over loading.

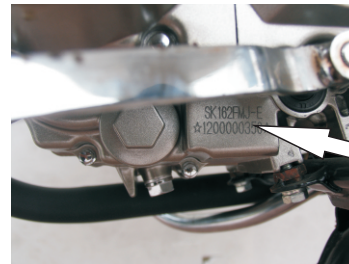
Serial number location

The frame(VIN NO)and/or engine serial numbers are used to register the motorcycle. The numbers will assist your dealer to provide you better service when order spare parts or entrust the special service.

Frame number print on the stand pipe of the frame, metal nameplate pin on the stand pipe of the frame. Engine number print on the left side of the crankcase.



Frame number
(VIN number)



Engine number

Please write down the numbers blow for your future reference.

Frame number(VIN number)

Engine number

About information of security

Read and observe this Manual carefully. These terms such as “Warning”, “Caution” and “Notice” are used to emphasize intensity of precaution. Please study and understand their meanings thoroughly.

“Warning”

For warning information, in order to protect you and other people’s safety as well as avoid damaging your motorcycle, this precaution must be read.

“Caution”

It is notice information; In order to extend service life of your motorcycle and exert its performance well, please carry out according to notice information.

“Notice”

It can help you to use your motorcycle in best of all condition based on its useful information.

二、THE INSTALLATION OF SPARE PARTS

① Seat

② Side cover

③ Carburetor

④ Turning lights

⑤ Counter

⑥ Rear brake pedal

⑦ Starting lever

⑧ Rear brake panel

⑨ Muffler





- ⑩ Front light
- ⑪ Rearview mirror
- ⑫ Fuel tank
- ⑬ Fuel valve
- ⑭ Rear sprocket
- ⑮ Side stand
- ⑯ Center stand
- ⑰ Gearshift lever
- ⑱ Front disc brake



①9 Clutch lever

②0 Left handlebar switch

②1 Meter

②2 Front brake lever

②3 Throttle grip

②4 Right handlebar switch

②5 Fuel tank lock

三、CONTROL PART

KEY AND IGNITION SWITCH

This motorcycle is equipped with two keys and please put one of them in the safe place as the spare key.



The ignition switch has three positions:

“  ” (OFF) POSITION

The ignition circuit is on state of turning off and the engine can't be started now, the key can removed from the ignition switch in this position.

“  ” (ON) POSITION

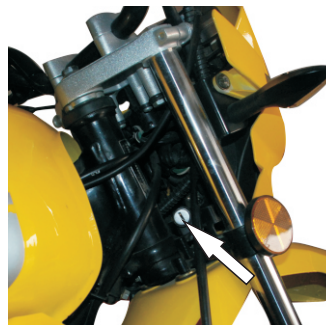
The ignition circuit is connected and the engine can be started. The key can not be removed from the ignition switch in this position.

“  ” (Parking) POSITION

Parking in this location, front position lamp, tail lamp light plays a role of warning.

STEERING LOCK

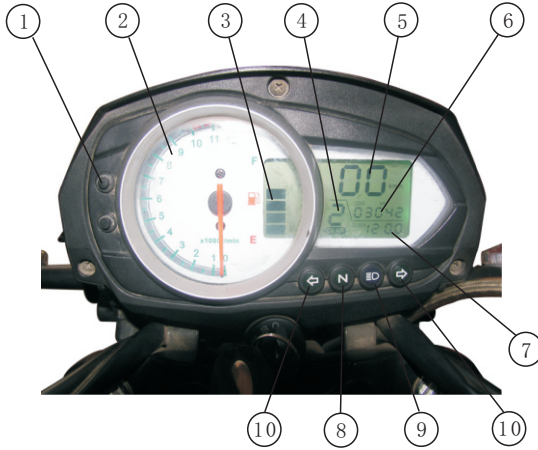
To lock head steering, turn the steering handlebar all the way to the left, insert the key in the steering lock and turn it clockwise.



! WARNING :

In the steering lock state, you can never push the motorcycle or it will out of balance.

INSTRUMENT PANEL



① Resert button

When press button ① lasted 3-5 seeonds. then the milometer turn to be 0.

② Tachometer

This meter can indicate the rotate speed of the engine perminute. The red zone in the tachometer is the most limit of the engine' s rotate speed, it will shorten the life of the engi ne if it is continual rotate long time in this zone, it should be avoid the finger of the tachometer point to this red zone.

③ Oil level indicator

This fuel level meter can indicate the fuel in the fuel tank, it is full when the finger point to the “ F ” position;it is empty when the finger point to the “ E ” position and you need refueli ng now.

④ Gear indicator

The numeral in this indicator shows the gear position, 1,2,3,4, or5. The numeral disapp ears as you shift back to neutral; NEUTRAL IN DICATORLIGHT(green)will burn instead.

⑤ Speedometer

The speedometer indicates the road spe ed in kilometers per hour.

⑥ Odometer

The odometer registers the total distance that the motorcycle has been ridden.

⑦ Time meter

This meter show the current time now.

⑧ Neutral indicator light

When this batton light, the motorcycle cou ld park sately.

⑨ Lrdicator light

When using the high beam and pressing theovertaking button, this lamp lights up.

⑩ Turn light indicator

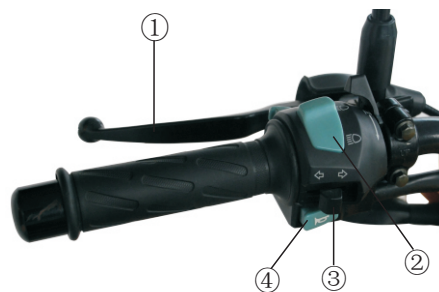
When the turn signals are being operated either to the right or to the left,the indicator will flash at the same time.

! WARNING :

Please be careful when accelerate between 1st and 2nd gear as the indicator would point to the red zone.

The red zone indicates the limit of engine speed. If engine rotates in this zone, The engine will be influenced.

LEFT HANDLEBAR CONTROL SYSTEM



① Clutch grip

To start the engine or make a gear shifting, press the grip to release the drive system and cut off the clutch.

② Dimmer switch

High beam/city beam operation

Moving the switch to the upper position the headlight high beam and the blue indicator light will be lit at the same time. Moving the switch to the down position the headlight lower beam and the blue indicator light will be lit at the same time.

③ Turn signal operation

Moving the switch to the “ ← ” position will flash the left turn signal. Moving the switch to the “ ⇒ ” position will flash the right turn signal. The indicator light will also flash intermittently.

④ Horn button

Press the button to sound the horn.

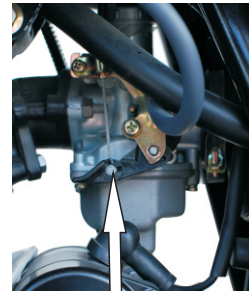
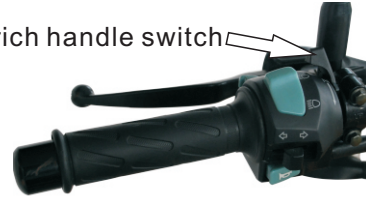
! WARNING :

When you want to change lanes or make a turn, turn on the signal lights in advance. And after a lane change, turn off the signal light in time. Otherwise it may cause an accident.

AIR-DEN SING HANDLE

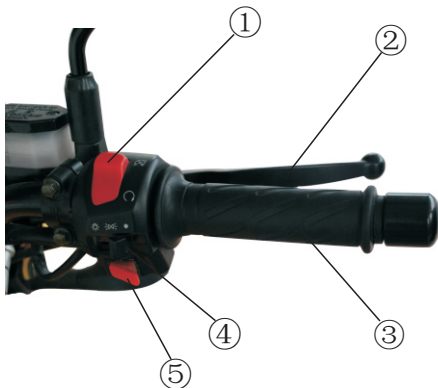
For easily start, this motorcycle caburator fix the enrich handle switch.(the switch located on geside the left handle switch system.)when the engine is under the cold cnndtion, then you could pull the enrich handle switch to open the choke, start the engine. When the engine reach the temperature enough, then hanging up the enrich handle switch to close the choke, and then the engine could drive normally.

Enrich handle switch





Choke

RIGHT HANDLEBAR CONTROL SYSTEM



① Engine stop switch

If you press the switch at “” position, the engine can't be started. When pressing the switch at “” position, and the circuit is connected. then the engine can be started. This is the emergency switch.

② Front brake lever

Front brake grip is on the right hand, if you want to operate front brake, pull brake grip to the direction of the handgrip. As this model using hydraulic brake disc, so you can brake holding easily. When holding brake grip tightly, rear brake light will light up automatically.


③ Throttle grip

The throttle rolling handle is used to control engine speed. Turn the handle toward yourself in clockwise direction to speed up the engine(turn from motorcycle to outside). On the contrary , turn the handle toward yourself in inanti-clockwise direction to slow down the engine speed(turn from motorcycle to outside).

④ Light switch

“” Switch position

Turn on the headlight, position light, taillight at same time.

“  ” Position

Turn on the position light, taillight at same time.

“ ● ” Close light position

Turn off the headlight, position light, at same time.

⑤ Starting switch

After press this switch to start the engine.

! WARNING :

Continuous running motor can not exceed 5 seconds one time. The circuit and motor will be abnormal fever after a large number of electro-discharge. If it can not start after trying, you should check the oil supplying and the start circuit system (please refer to the chapter “troubleshooting”).

FUEL TANK CAP

To open the fuel tank cap insert the igniti on key and turn it clockwise. With the key still held in a clockwise position remove the cap. To install the fuel tank cap, simply line up the fuel tank guid pins and push down until the locking pins click into position. The key must be in the cap before installing the cap. Turn the key counterclockwise and remove the ignition key from the cap.



! WARNING :

You can not add the excessive fuel and let the fuel reach on the hot engine. Do not add fuel on the oil filler. Otherwise it will overflow if fuel temperature increase. Stop the engine when add the fuel, and turn the key to the position of “stop”. Avoid the fire when add the fuel.

FUEL VALVE

This motorcycle is equipped with a manually operated fuel valve. There are three positions: “ U ” (Open), “ U ” (Reserve) and “ ● ” (Close).



“ U ” Open position

To run the engine, turn the fuel valve to the “ U ” position. In this position, fuel will flow from the fuel valve to the carburetor whenever the fuel level in the carburetor drops.

“ U ” Reserve position

If the fuel in the fuel tank is too low, turn the lever to the “ U ” position to use the 1.6L of reserve fuel supply.

“ ● ” Close position

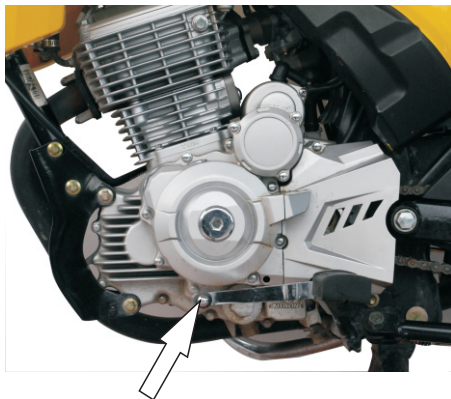
Turn the lever to the “ ● ” position whenever the engine stopping for more than a few minutes.

! NOTICE :

Add the fuel in the near oil station when turn the fuel switch on the “store” position. Turn the fuel switch on “start” position after finishing.

GEAR LEVER

The model is equipped with 5 gear recycle transmission, shown in the picture, the gear lever is connected with the ratchet wheel. The gear lever automatically goes back to its original position ready to be changed to the next gear. The low gear is put on when the gear lever is stepped down from the neutral position. The gear increases a level every time the gear lever is stepped down. Due to the face that it is of a ratchet wheel structure, it cannot be added more than 2 levels at one time.



! NOTICE :

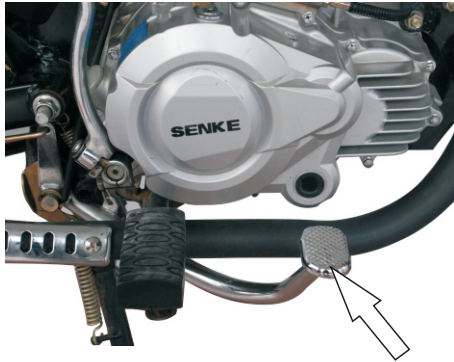
In order to avoid the damage of engine, speed variator and transmission chain which can't withstand the pounding of mandatory shift in the design of these parts, be sure to use clutch when shift gear.

! CAUTION :

When it is in the neutral gear, the indicator on the meter would show the green. Although the light is on, you also need to loosen the clutch level to make sure whether it enter into the neutral position.

REAR BRAKING PEDAL

It will work when you push the brake pedal. The brake indicator would be lighted. You should push even. To avoid the strong pushing, you can use the snub: pay attention to combine the front brake and engine brake to reduce the brake distance.



REAR ABSORBER

Adjust the rear absorber spring according to the carrying capacity, driving way and road condition and so on. Prop the main stand or side stand, make the spring tension ring turn to the suitable position. Increase the tension of rear absorber spring from second stage to five stage. To make sure the suspension strong is suitable for the heavy loading and bad road. This model car factory has been set good practical position.

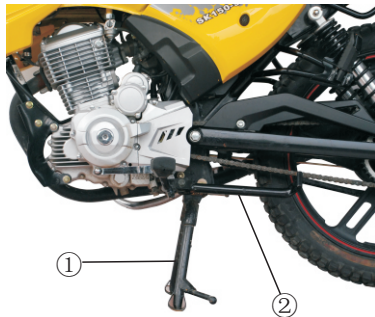


! WARNING:

Left and right buffer springs must be adjusted to same position. Improper adjustment may impact on operational stability.

STAND

This motor has the center stand① and side stand②. When you want to put the motorcycle on the main stand, you should step on the pedal of main stand, and hold the carrier by right hand and the by left hand. Then pull up the motorcycle fixing into the stand. When you want to park the motorcycle by side stand, then you should step onto the end of the side stand, and depress it using your strength, until the side stand turning to its end onto the floor still.



① Center stand

② Side stand

! CAUTION :

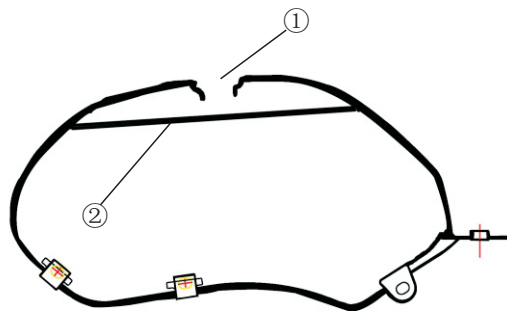
When you park the motorcycle on the slope you should make the front head as the above position of slope, to avoid the motorcycle fall off by the side cover. Or you could put into gear 1.

! WARNING :

Side stand is used only for the temporary parking, Pay attention to check whether it turn to the upper limit position. Before starting it never park in other place. Never riding the motorcycle before the side stand lift up.

四、FUEL AND ENGINE OIL RECOMMENDATION

Use unleaded gasoline with an octane rating of 93 or higher (Research method). If the engine gives out a slight knock, it may be because of using normal level fuel as the succedaneum that need to be replaced.



① Fuel tank port

② Fuel level

! WARNING :

Never add fuel excessively to avoid overflow that can spread on the engine under high temperature. Fuel level ② can not exceed the bottom of fuel tank port ① shown as the figure, otherwise heated fuel is expandable to overflow.

Before adding fuel, turn off the engine and turn the key to "OFF"(Close) position. Never close to any fire.

! NOTICE :

Just can use the Un-leaded Petro. If use the leaded Petro, then it will destroy the valve, piston ring and other engine inside parts and emission system seriously.

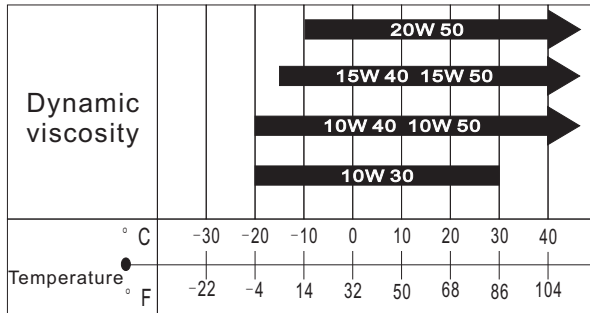
! NOTICE :

When washing motorcycle, never wash fuel tank with high-pressure water to prevent water from entering into the tank.

Engine oil

Use a premium quality 4-stroke engine oil to ensure longer service life of your motorcycle. Use only oils which are rated, SE or SF under the API service classification. The recommended viscosity is SAE15W-40. If a SAE15W-40 engine oil is not available, select an alternative according to the following chart.

Consult example



API attributive classification standard

Code	SD	SE	SF	SG
Grade	Low High			

! WARNING :

Fuel oil, engine oil and grease must be preserved in a place where children cannot touch, and notice correspond to warning nameplate in container, or else have danger of harm health with people.

五、MOTORCYCLE RUNNING-IN

In preface, we describe such fact new motorcycle, running in correctly can extend its service life, but also bring its performance into play sufficiently. Now we will list correct running in methods.

Maximum speed

The table below shows the maximum recommended engine speed during the running-in.

Initial 1000Km	Below 5000r/min
Up to 1000-1600km	Below 6000r/min
Over 1600km	Below 10000r/min

! NOTICE :

After driving 1000KM, it is necessary to replace the engine oil and filter element of air cleaner.

Vary the engine speed

The engine speed should be varied and not held at a constant speed. This allows the parts to be “loaded” with pressure, and then unloaded, allowing the parts to cool. This aids the mating process of the parts. It is essential that some stress be placed on the engine components during running-in to ensure this mating process. Do not, though, apply excess load on the engine.

Avoid constant low speed

In the event that the engine runs a long time at constant low speed, components and parts may wear out to cause improper fitting. As long as the recommended Max speed isn't exceeded, the driver can enable each shift to accelerate the engine. Initial period within 1000KM, do not over load and you must avoid throttle valve open operation for a long time or any conditions will lead engine overheating.

Allow the engine oil to circulate before bidding

Allow sufficient idling time after warm or cold engine start up before applying load or revving the engine. This allows time for the lubricating oil to reach all critical engine components.

First regular maintenance and check

The 1000km(600miles)service is the most important service your motorcycle will receive. During running-in all of the engine components will have worn in and all of the other parts will have seated in. All adjustments will be restored, all fasteners will be tightened, and the dirty engine oil and engine oil filter will be replaced. Timely performance of the 1000km(600miles) service will ensure optimum service life and performance of the engine.

六、INSPECTION BEFORE RIDING

Before riding the motorcycle, be sure to check the following items. Never underestimate the importance of these checks. Perform all of them before riding the machine.

Test item	Test details
Steering	① Smoothness ② No restriction of movement ③ No gap or looseness
Clutch	① Check the handle clearance ② When adjustment is necessary ③ When necessary lubricant to the steel filament
Fuel oil	① Check the fuel tank oil. ② Add oil when needed. ③ Check the fuel pipe.

Engine oil	<ul style="list-style-type: none"> ① Check the engine oil. ② If needed, please add engine oil. ③ Check the engine oil leaking or not.
Tire	<ul style="list-style-type: none"> ① Check if any broken. ② Check the tire pattern depth. ③ Check the tire air pressure. ④ Added pressure or change the tire when necessary.
Brake	<ul style="list-style-type: none"> ① Check the front brake rocker arm backlash. ② Check if any wear in the brake disk. ③ Check the oil level in the brake reservoir ④ Check if any oil leaking in the hydraulic system. ⑤ Check the brake pedal backlash , and adjust when necessary.
Transmission	<ul style="list-style-type: none"> ① Appropriate tension ② Adjust when necessary. ③ Proper lubrication

Throttle	<ul style="list-style-type: none"> ① Throttle dragline has appropriateplay ② Feed fuel smoothly and cut off fuel supply rapidly.
Side stand	<ul style="list-style-type: none"> ① Mark sure the operation is smooth. ② Lubricate the side stand connection point when necessary.
Light	Operable all light, Frond light、 Tail light、 Brake light、 Panel light、 turning light
Indicator light	High beam indicator light、 Neutral position indicator light、 Turning indicator light、 Gear indicator light
Horn and Brake switch	Proper function

七、RIDING TIPS

! WARNING :




If you are first driving this motorcycle, we suggest you'd better look for a off highway road to practice until you are fully familiar with the control and operation.

Removing your hands from the handlebars or feet from the footrests during operation can be hazardous. If you remove even one hand or foot from the motorcycle, you can reduce your ability to control the motorcycle. Always keep both hands on the handlebars and both feet on the footrests of your motorcycle during operation.

To not shift gears as turning and slow down before turning.And the brake and turning ability reduce if the roads damp and tire friction coefficient small,so you must slow down ahead.

Observe the transportation rules and limit the speed.

Start the engine

Check the fuel valve is in the “” position. and the engine stop switch is in the “” position. Put the key into the ignition switch and turn clockwise to “” position. The green neutral indicator will be lighted if it is in neutral.

! WARNING :

Shift into neutral and grasp the clutch before you start the engine.in case that it tuns on as shift in wrong gear.

Electric start

Before press the engine start button and ignition, please check if the side stand return right firstly, otherwise the engine will not be able to start. When press the start button, do not rotate the throttle control lever violently.

! NOTICE :

After the engine be started ,loosen the starter immediately to avoid to damaging the engine.

If you pressed the starter for 5 seconds but engine can't be started ,you should start after 10 seconds.

Turn the throttle grip 1/8-1/4 and then start when you failed to start engine after 2-3 times.

It would cause to start hardly if lay up for a long time or using poor fuel .Do not turn the throttle grip but start again and again.

! WARNING :

Running the engine indoors or in a garage can hazardous .Exhaust gas contains carbon monoxide, a gas that is colorless and odorless and can cause death or sever injury. Do not run it on when nobody there.

! NOTICE :

The idling time can not be too long as not driving. otherwise it would damage the inner parts for the hot engine.

Starting

After moving the side stand to the fully up position, pull the clutch lever in and pause momentarily. Engage first gear by depressing the-gearshift lever downward. Turn the throttle grip toward you and at the same time release the clutch lever gently and smoothly .As the clutch engages, the motorcycle will start moving forward.

To shift to the next higher gear,accelerate gently,then close the throttle and pull the clutch lever in simultaneously.Lift the gearshift lever upward to select the next gear and open the throttle again.Select the gears in this manner until top gear is reached.

Using the transmission

The transmission is provided to keep the engine operating smoothly in its normal operating range. The gear ratios have been carefully chosen to meet the characteristics of the engine. The rider should always select the most suitable gear for the prevailing conditions. Never slip the clutch to control road speed, but rather downshift to allow the engine to run within its normal operational range.

! WARNING

Never allow the engine rev into the red zone in any gear.

! NOTICE :

Don't slide on and dragged the motorcycle over long distances when engine closed for a long time, even transmission in neutral position. Only when the engine is running can you add lubricant to transmission, the improper lubricating will damage transmission.

Riding on hills


When climbing steep hills, the motorcycle may begin to slow down and show lack of power. At this point you should shift to a lower gear so that the engine will again be operating in its normal power range. Shift rapidly to prevent the motorcycle from losing momentum. When riding down a hill, the engine may be used for braking by shifting to a lower gear. Be careful, not to allow the engine to overrev.

! NOTICE :

Using transmission shift correctly enables you to control the engine power when accelerating, climbing and so on.

Stopping and parking

1. Turn the throttle grip away from yourself to close the throttle completely.

2. Evenly using the front and rear brake at the same time, to be sure compensating used at the same time.
3. Using transmission device in low gear position to reduce the speed.
4. Select neutral with the clutch lever squeezed toward the grip (disengaged position) just before the motorcycle stops. Neutral position can be confirmed by observing the neutral indicator light.
5. If the motorcycle is to be parked on the side stand on a slight slope, the front end of the motorcycle should face “up” the incline to avoid rolling forward off the side stand. You may leave the Motorcycle in 1 gear to help prevent it from rolling off the side stand. Return to neutral before starting engine.
6. Turn the ignition key to the “” (off) position.
7. Remove the ignition key from the switch. Lock the steering for security.

! WARNING :

1. As vehicle speeds stopping distance increases progressively. Be sure you have a safe stopping distance between you and the vehicle.
2. Inexperienced riders tend to use the rear brake. This can cause excessive stopping distance and lead to a collision.
3. Using only the front brake or rear brake is hazardous, it is hard to brake on wet, loose rough, or other slippery surfaces it can cause wheel skid and loss of control.

八、INSPECTION AND MAINTENANCE

It is the driver's obligation to make sure safety. Regular checking, adjusting, lubricating your bike, to promise the highest safety, the most efficient condition. Below we will introduce the point of checking, adjusting and lubricating. Each regular checking should set the one as the right which come first, the used months or the mileage. Each checking should follow the method asked, and check the lubricate system and other items carefully. The time of regular checking and lubricate should be the general principle of the normal driving condition. however, it may need to shorten your maintain time according to the weather, landform, location and personal uses difference.

If you motorcycle runs in harsh environment such as sand storm or a condition under which the throttle has to open widely, you should perform special maintenance to ensure its reliability. In this case, your distributor may provide you with further consultation. Because steering system, shock absorber and wheel axel are key parts, they must be serviced and maintained by specially trained technicians. For the sake of safety, we recommend this work be entrusted to your distributor.

! NOTICE :

The maintenance is the necessary process when the new motorcycle finish running in at 1000 km. It could help you using motorcycle safely and had a good specification. You must do the periodic maintenance according to the manual.

! CAUTION :

Periodic maintenance may need to change one or two parts, when changing the parts, we suggest you use the original manufactory's parts or the same quality standard parts. Whether you are professional for motorcycle or you have the experience for repairing the motorcycle, you'd better to ask the appointed dealer or the standard maintenance worker to deal with the problem which marked ★ . For the other points which didn't have any mark, you could do it yourself according to our manual.

MAINTENANCE CHART

Interval Item	KM	1000	2500	6000
	Months	5	20	40
Battery		—	I	I
★ Cylinder head nuts and exhaust pipe bolts		T	T	T
★ Camshaft drive chain tensioner		I	I	I
air cleaner		I	Every 3000KM C	
★ Valve clearance		I	I	I
★ Spark plug		I	Every 3000KM C	
★ Fuel hose		I	I	I
		Replace every four years		
★ Engine oil		Every 1000KM I or R		

Clutch	I	I	I
Fuel strainer cup	—	C	R
Drive chain	I	I	I
	Wash and lubricate it every 1000KM		
★ Brake	I	I	I
★ Braking oil hose	I	I	—
	Replace every 4 years		
★ Brake oils	Replace every 2 years		
Tyre	I	I	I
★ Steering gear	—	I	I
Front fork and rear shock absorber	I	—	I
★ Bolts and nuts of body	T	T	T

NOTE: I: Inspect C: Clean R: Replace T: Tighten

LUBRICATION CHART

Item	Time interval	
	Initial 6000KM or 6 months	Every 12000KM or 12 months
Throttle cable	Machine oil	Machine oil
Throttle handle	—	Lubricating grease
Clutch cable	Machine oil	—
Speedometer flexible shaft	—	Lubricating grease
Speedometer drive case	—	Lubricating grease
Drive chain	Add the oil each 1000KM	
Brake pedal	Lubricating grease or Machine oil	—

★ Brake camshaft	—	Lubricating grease
★ Steering	Lubricate every 2 years or 20000KM	
Brake cable	Machine oil	Machine oil

TOOLS

8*10mm、12*14mm open end wrench;

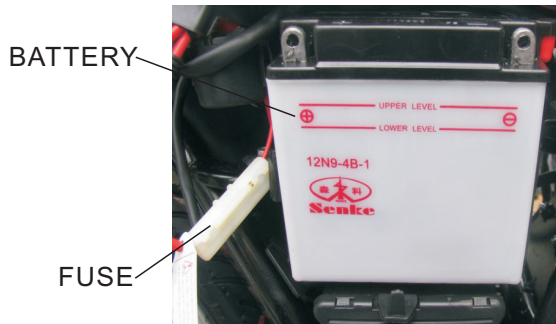
Spark plug turnbuckle

Combination all purpose screwdriver,(can knock down the spark plug together with spark plug turnbuckle);

Screwdrivers'h andle

Inner hexagonal tool

BATTERY



The battery solution level may be inspected by removing the left frame cover. The solution level must be kept between the UPPER and LOWER level lines at all times. If the solution level is below the LOWER level line, add ONLY distilled water up to the UPPER level line. NEVER use tap water.

Installation

1. When connecting two poles of the battery by using battery lead, connect positive and negative poles correctly; red lead to positive(+) and black lead to negative pole(-); In the event of incorrect connection this may cause damage to charging system and battery itself/.
2. Tighten bolts, then coat lubricating grease on bolts, nuts and terminals.

Use and maintenance

1. Each starting time cannot exceed 5s. If several starting fails in succession, check fuel supply system and starting and ignition system.
2. Frequent starting; short driving distance、 Running at low speed for long time、 Electrical appliance or bulb beyond rated power, all will may cause insufficient discharge or charge to shorten service life.
3. In the case of difficult start-up, dimmed light or horn at low sound level, charge the battery immediately.
4. If you want to leave your motorcycle in non-service take for a long time, you'd better charge the battery full and then charge it monthly.

! CAUTION :

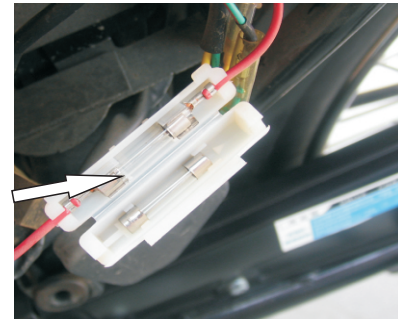
Once the battery used, then you can't add dilute sulphuric acid more.

! CAUTION :

No bend, block, or change the breather pipe, make sure one direction of the pipe is keeping open . If you connect two poles of battery by battery lead, please make the positive and negative poles right. Red line connect with positive pole, and black line connect with negative pole. The charging system and battery would be broken if you make the wrong connection.

FUSE

To protect the electric device, we installed fuse (rated blowing-current: 15A), fuse box located in the red positive lines at the end of cable, with a backup fuse for replace in case the original fuse burn-not. If the motorcycle suddenly stalled or circuit impassability when driving. Please check the fuse tube first.



Leader
able fuse

If the fuse burn-out, follow these steps to change.

1. Using the key and turn to the "OFF" Switch(closed) ,disconnect the circuit which has problem

- 2.Remove the blown fuse, and then install the new fuse with specified specifications.
- 3.Using the key and turn to the “ON”switch(open) ,connected with problematic circuit to check whether they are in normal operation.
- 4.If the fuse fusing once again, pleaseask the dealer to check the electronic systems.

It the fuse often barn off, there must exist short circuit or an overload situation, and please find the service station to check.

! WARNING :

Do not use a fuse whose the rated current is higher than the recommended one ,in order to avoid significant damage to electronic systems , even a fire.

! NOTICE :

Do turn off the ignition switch when checking or replacing the fuse ,to avoid short circuit.It must conform to the provisions. When replacing the fuse, and don't replace it by other by other materials.

AIR CLEANER

If the air cleaner is clogged by dust, air intake resistance will increase with a resultant decrease in power output and an increase in fuel consumption . If driving under dusty conditions the air cleaner must be cleaned or replaced more frequently or replaced more frequently than maintenance schedule. Check and clean the air cleaner periodically according to the following procedure.



① 螺钉
Crew

! NOTICE :

If the motorcycle often used in dusty conditions, you should clean or replace the filter element frequently. Do not wait until the maintenance time. Before cleaning and in cleaning, must pay attention to check whether there is any crack on foamed plastics, you should replace it immediately once the crack was found.

1. Take down the left side cover.
2. Open the air case cover screw, remove the cover and get out the polyurethane foam and cover.
3. Fill a washing pan of proper size with nonflammable cleaning liquid . Immerse the polyurethane foam in the liquid and wash it clean.
4. Squeeze the polyurethane foam off liquid by pressing Do not twist and wring the polyurethane foam or it will be broken.

5. Immerse the foam in a pool of motor oil and squeeze the oil off the foam to make it slightly wet with the oil.
6. Reinstall the air cleaner element in reverse order of the removal. Be absolutely sure that the element is securely in position and is sealing properly.

! WARNING :

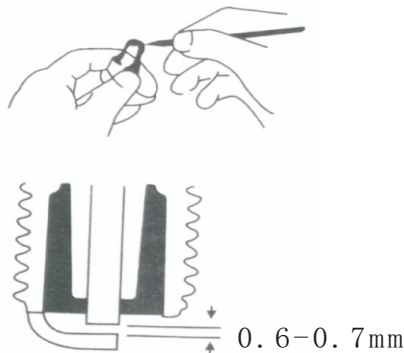
Gasoline and low flash point solvents for highly flammable substances, Cannot clean the filter.

! CAUTION :

Don't start the engine when the air cleaner is not installed. To start the engine without installing the air cleaner will result in the engine wear-out frequently, Because this component has a large influence on the life of the engine.

SPARK PLUG

There spark plug is an important engine components, it is easy to check. Due to heat and sediment, spark plug will be corroded slowly, please remove the spark plug for inspection according to the regular maintenance and lubrication list. In addition, the status of the spark plug also can reflect the situation of the engine. Remove accumulated carbon attached on spark plug by using hard iron wire or steel needle, and adjust the clearance of spark plug by using feeler gauge to be between 0.6-0.7mm. Please clean the spark plug after each 3000km.



When removing the carbon deposits observe the operational color of the spark plug s porcelain tip. This color tells you whether or not the standard spark plug is suitable for use .A normal operating spark plug should be light brown in color. If the spark plug becomes black, then please change the spark plug to high pressure type; if the spark plug is become white or flaring it proved the spark plug was works under the over heat condition, so now please change the spark plug to cold type.

! WARNING :

If the spark plug is obviously different in color , then the engine may be in malfunction. Don't try to self-check such problems.

! WARNING :

1. The spark plug cannot twist it too tightly of threaded or cross to avoid damage to the thread of cylinder head. Don't make the impurity go into the engine through the spark plug. When dismantling the spark plug.

2. The spark plug used for this motorcycle is chosen carefully, and it can adapt to the majority of the work scope. If the color of the spark plug is not the same as the standard one. Then negotiate with the distribution unit before changing the spark plug which is in different heat-resistant ranges.

3. Choose spark plug of other brands will make operation difficult. So negotiate with the distribution unit first. Then choose spark plug of other brands.

FUEL FILTER

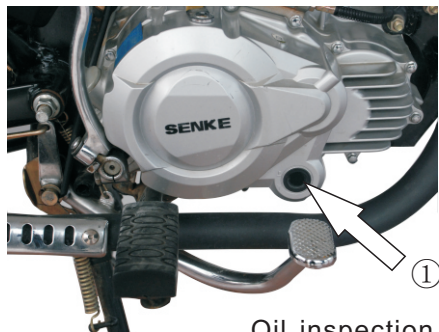


The fuel filter is installed under the fuel switch. The replacement of filter depends on the cleanliness of the gasoline. The filter should be replaced for the first 10000km and later each 30000km.

1. Turn the filter to “ ● ” position, then turn down the filter, take out the filter cover and filter cap.
2. Use clean and non-flammable solvent to wash neatly.
3. Be careful when install back don't clip the filter too tight to avoid O-ring out and the oil leaking.

ENGINE OIL LEVEL CHECK

When checking the engine oil level, please keep the motorcycle straight. And check the oil level through ① oil inspection window. The oil should be between F and L position.



Oil inspection window

ENGINE OIL

Life depends on the selection of a good quality oil and the periodic changing of the engine oil. Daily engine oil level checks and periodic changes are two of the most important maintenance to be performed.

! NOTICE :

The oil inspection window shows oil level. when engine oil is not enough don't start the engine. And oil level shall not surpass the upper limit of the window.

ENGINE OIL RENEWAL

The engine oil should be renewed when the engine is on so that the engine oil will drain thoroughly from engine. The procedure is as follows.

1. Put up the motorcycle center stand.
2. Remove the drain plug and drain plug and drain out the engine oil.
3. Screw off the drain plug, open the oil filler cap and add the new oil about 1.0-1.1L and screw on the cap.
4. Start the engine and let it to idle for a few minutes.
5. Turn off the engine and check the oil position from the oil inspection window after about one minute, The oil level should be above the "F" (FULL) If the oil level under the "F", add oil till correct oil level reaches " F " .

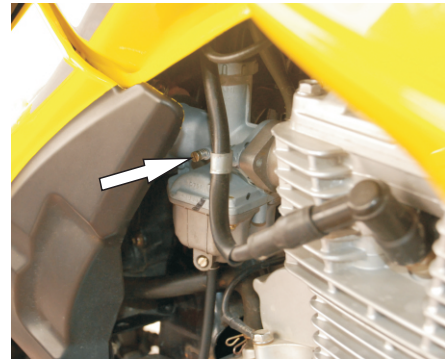
ADJUSTMENT OF IDLE SPEED



② Drain plug



③ Oil filler



- (1) Start up the engine and let the engine run until it warms up fully. When the engine make rapid response to throttle, Preheating is complete.
- (2) After engine preheating, closed throttle, appropriate adjustment of idle speed adjusting screw.

! NOTICE :

Please often use the engine oil recommend in the section fuel and oil guideline.

! CAUTION :

Ajust the engine idle when the engine complete preheating condition.

ADJUSTING THE THROTTLE CABLE



1. Loosen the lock nut,
2. Move the adjuster to adjust the gap to be 0.5-1.0mm.
3. After finishing the adjusting, tighten the lock nut.
4. After the cable adjustment, throttle rolling should be rotating flexible, the reliable free travel is 2-6mm.

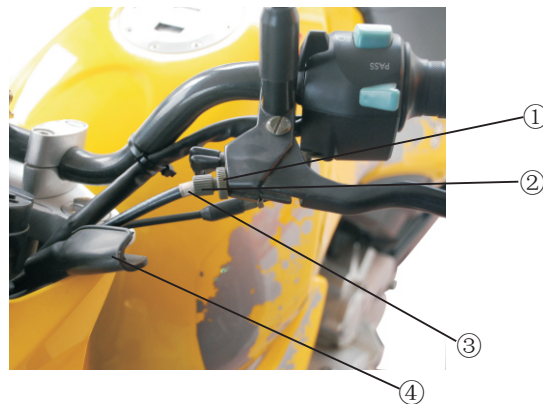
! WARNING :

You should recheck the moving condition of throttling rolling handle after finishing checking the throttle cable. Don't make the idling speed up engine when you make this adjusting. And meanwhile, you should make the throttling rolling flexible.

CLUTCH

The way of adjusting the clutch is to change the strain of the clutch cable ③, the gap of the clutch lever should be about 4mm as measured at the clutch lever end. If you find the gap of the clutch incorrect adjust it in the following way.

Loosen the lock nut ① and turn in the adjuster ② as far as it will go. Loosen the lock ⑤ nut and turn the adjuster ⑥ to obtain the correct gap arrive at about 4mm. minor adjustment can adjust the clutch lever side adjuster ②, after adjuster well then tighten the lock nut ① and ⑤ then put well the rubber cover.





DRIVE CHAIN

! WARNING :

To guarantee safety, the drive chain check and adjustments should be done before in driving. As to the new chain change and the correct method of lubrication, please refer to our company's recommended contents.

We advise that you'd better look for the distributor to change new chain if it wears off. When inspecting the chain, look for the following:

1. Loose pins
2. Damaged rollers
3. Dry or rusted chain
4. Kinked or binding links
5. Excessive wear
6. Improper chain adjustment

! WARNING :

Improper relaxation of transmission chain can make the engine and other important components of the motorcycle overload, chain skid or fracture. To avoid this situation, transmission chain relaxation should keep within the prescribed limit.

Damage to the drive chain means that the sprockets may also be damaged. Inspect the sprockets for the following:

1. Excessively wear of the gear.
2. Broken or damaged teeth.
3. Loose sprocket fixing nuts.

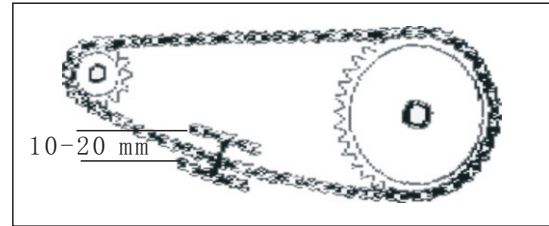
Drive chain cleaning and oiling

The dirt on the transmission chain will accelerate the chain and sprocket wheel wear , so after every 1000KM, please clean transmission chain with cleaning fluid, and then coated with special chain oil or motor oil for lubrication. Please clean the transmission chain and add lubricant in accordance with the regular maintenance and lubrication interval, or transmission chain will wear off quickly, especially when driving in dusty or humid areas.



Drive chain adjustment

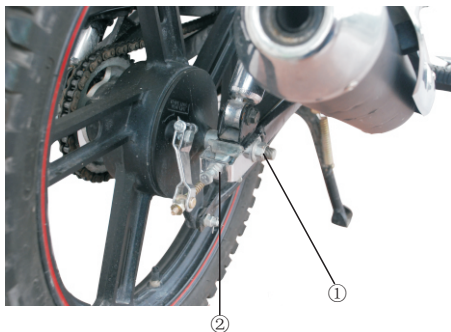
Adjust the drive chain to keep it in normal. The chain may require more frequent adjustment than periodic maintenance if riding conditions are not good.



! WARNING :

Too much chain slack can cause the chain to come off the sprockets, resulting in an accident or serious damage to the motorcycle. Inspect and adjust the drive chain slack before each use. Please use the following methods to adjust the drive chain.

1. Place the motorcycle on the center stand.
2. Loosen the rear axle nut.
3. Loosen the lock nut.
4. Adjust the drive chain slack by turning the right and left chain adjuster bolt. At the same time that the chain is being adjusted, the rear sprocket must be kept in perfect alignment with the front sprocket. To assist you in performing this procedure, there are reference marks on the swing arm and each chain adjuster which are to be aligned with each other and to be used as a reference from one side to the other and keep the laxation between at 10-20mm then tighten the lock nut.
5. Final, tighten the lock nut of rear axle shaft again.



① Rear axle

② Lock nut

! CAUTION :

Our chain is made of special material. If changing it, you should choose the original one from the manufacturer or the higher standard one. It may cause problems if you use another brand.

! NOTICE :

When changing the chain, you should also check the sprocket wear condition to see if it needs to be replaced.

! NOTICE :

When adjusting the chain measure by the rear fork on two sides, mark to make sure two adjusting scale plates are at the same position and let the wheel align.

BRAKE SYSTEM

In this motorcycle, front wheel is equipped disk brakes, and rear wheel is equipped drum brakes. Correctly operating brakes will play critical important role in safe driving. Keep in mind regularly check braking system. However , only authorized distributors are qualified for this check.

Front brake

In braking system, daily check includes:

- (1) Inspect the front brake system whether or nor fluid leakage.
- (2) Inspect the brake hose whether or not leakage or crack
- (3) Brake disk for oil consumption.
- (4) Brake handle for correct travel and rigidity.

! WARNING:

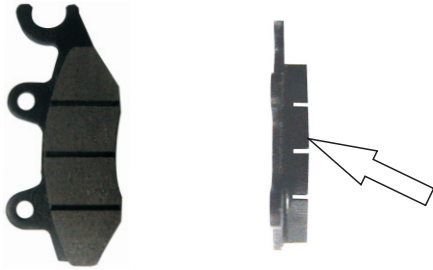
If the brake system need to have maintenance, we are strongly recommend you to hand this job to your dealer shop. They had the complete tools and expert skill. Meanwhile, they could finish this job by the most safely and most economic way.

Brake oil

Pay attention to check the front brake fluid volume, if the liquid level reduced, adding our factory assigned brake fluid. When the brake pads wear loss, the remaining liquid inject into oil tube automatic and liquid surface decreases. Adding brake fluid should be considered as an important program of periodical maintenance. You should replace the brake fluid according to the provisions of the periodical maintenance schedule time interval. In addition, the brake master cylinder, caliper brake oil seal and brake hose should also be in accordance with the time interval, or change it when damaged or leakaged.



Brake pad



Inspect the front brake pads by noting whether or not the friction pads are worn down to the grooved limit line. If a pad is worn to the grooved limit line it must be replaced with a new one, the inspection items as below.

1. Inspect the front brake system whether or not fluid leakage.
2. Inspect the brake hose whether or not leakage or crack.

3. Brake lever and keep the elasticity all the time.
4. Checking of the wear condition to front break pad.

Brake disk is an important part of front braking system. Check if its thickness is within safe scope. When the disk is worn out 4mm or more, must replace with new one.



! WARNING :

Do not drive the vehicle when just put on the new brake pad. Tighten and loosen the brake grip for several times to get the brake pad be normal and have the brake fluid circle completely.

! WARNING :

Disk braking system is based on high-pressure brake. For the sake of safety, you must replace oil pipe and brake oil strictly at interval time specified in Maintenance section in this "Manual".

! WARNING :

If the brake system need to have maintenance, we are strongly recommend you to hand this job to your dealer shop. They had the complete tools and expert skill. Meanwhile, they cold finish this job by the most safely and most economic way.

Rear wheel brake:

The adjustment of the rear brake pedal.

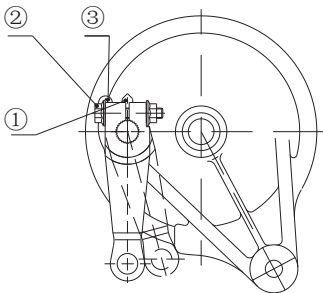
When adjusting rear wheel brake system, you should adjust the pedal at the most comfortable position. This kind of fixed position could to move the adjusting nut of pedal. Then twist the adjusting nut ①, to make the run-length to keep in 20-30 mm.



① adjusting nut

The rear brake of this motorcycle set the mark for wearing limit. When you checking the wear condition wear, please do it as following process.

- (1) Checking the brake system proper adjustment or not.
- (2) when operating the brake, you should check if the wearing limit mark extension line is in the allowable range. (between ① and ②, as the pictures showing). If it beyond the extension line(that means over line ②), then you should ask your dealer to change the brake system parts to promise your safely driving.



! WARNING:

After adjust the brake pedal gap, to check the operation of the brake lamp.

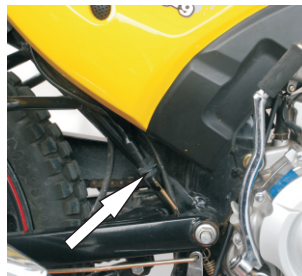
Front brake light switch

The front brake light switch is located under the brake lever. To hold the front brake lever lightly the brake light switch will come on.



Rear brake light switch

The rear brake light switch is located on the right side cover. It would be lighten when the brake pedal is depressed.



TIRES

Every time before driving, the tires must be checked, if the middle of the tread pattern depth attained the limit, or a nail, shards of glass in the tire, or tires have crack, please contact dealers to replace tires immediately. Preventive maintenance, be sure to check the tires pressure and tread depth. In order to ensure largest safety and long service life, except the regular maintenance, you need check regularly.

Tire pressure

Every time before driving, you should check the tire pressure, adjust it if necessary. Low tire pressure not only increase the tire worn, but also affect the driving stability. Low pressure would cause to turn difficultly. High pressure would cause tire slip and even lose control for the small contact area with the ground. The tire pressure should be within the regulated pressure. And adjusting the tire pressure should be carried in normal temperature condition.

Basic parameter \ Name		Front tire	Rear tire
		Just driver	225
tire pressure (Kpa)	Just driver	200	225
	two people	200	225

! WARNING :

Because loading have great influence for the operation, braking, performance and security characteristics of the motorcycle, so be sure to keep in mind the following considerations:

1. Do not overload! Overloaded motorcycle driving could lead to damage of tires, the motorcycle go out of control, or serious personal injure. Ensure that the total weight of motorcycle driver, passenger, goods and accessories shall not exceed the stipulated maximum weight.
2. Do not carrying goods in loose pack age, as goods will be easy to move in the process of driving.
3. Every time before driving, check the tire condition and air pressure.

Tire thread

Using the excessive worn tire would reduce the stability and may lose control. Change a new tire when front tire thread depth below 1.6mm and rear below 2mm.

! NOTICE :

Your motorcycle use the tire type are:

Front tire: 2.75-18

Rear tire: 3.00-18

It would bring some problems when using substandard tires . we sincerely recommend that you use the standard tires.The vehicle tire inflation pressure in terms of functionality and security is very important. check tire thread wear condition and tire pressure frequently.

Light bulb replacement

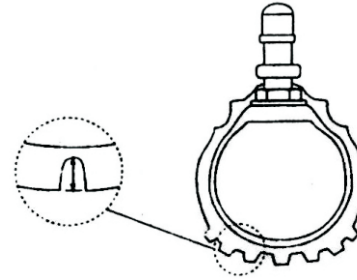
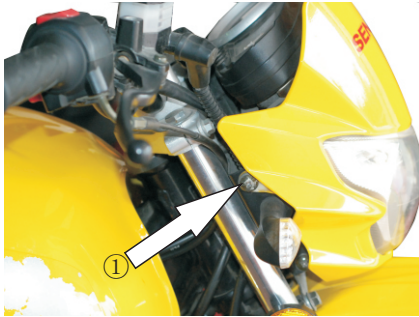
The rated wattage of the bulb shows as below list. when changing the broken bulb, you should use the same power. or it may cause the overload electric system or the lamp broken easily.

Front light	12V 35W/35W
Rear light/braking light	12V 0.26W/1.2W
Turnning / signal light	12V 0.26W
Front position light	12V 3W

Change the front headlight bulb

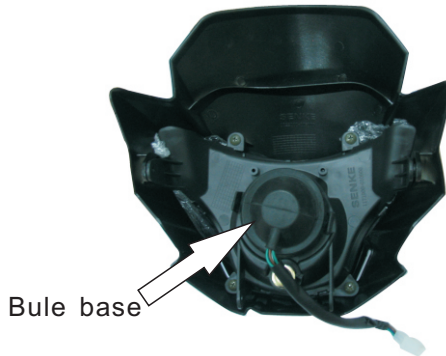
- (1)Remove the nuts in the sides of hood ①, and then remove the front part of headlight.
- (2)Pull out the front headlight bulb and the position light base.
- (3)Remove the front headlight bulb, and put the new bulb.
- (4)Use the opposite process to fix the front headlight.

The main points of headlight bulb



! NOTICE :

In order to avoid the oil contamination, don't touch the glass components of headlight bulb. Otherwise, the light transmittance of glass, the brightness of the light bulb, and the using time of the light bulb will be adversely affected. Cloth stained with alcohol or diluents, carefully wipe the dust and fingerprints of light bulbs.

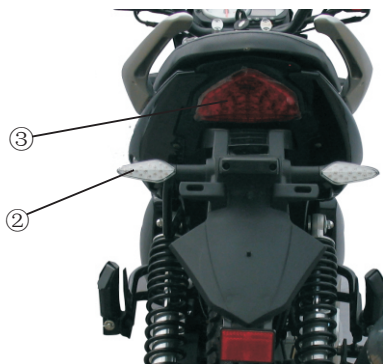


Bule base

! CAUTION :

When mounting lampshades, don't tighten fastening screws excessively; Other wise lampshades break.

Turning light、Taillight and stoplight is replacing



② Turning light

③ Rear light

The motorcycle is made of LED turning light ②、tail light and brake lights ③, It is durable than usual lights. Because of its special construction. If you meet any exceptional problems, please do not fix it by yourself and contact your local agent to deal with it.

! NOTICE :


Prior to operation of any electrical component, you must turn it off to avoid short circuit. When replacing a bulb, you must comply with manufacturer's instruction to avoid injury and damage.

九、TROUBLESHOOTING

Although we have carried out a comprehensive inspection before motorcycles loading, the possible faults exist in the operation process. The problem of fuel oil, compress or ignition system may result in the power loss and cannot be started..

Troubleshooting table as following provide the quick and easy operating procedures, you can inspect on these important system yourself. However, when motorcycle needs repair, please send the motorcycle to the dealer, their professional technical personnel have the necessary tools and professional knowledge, they can repair the motorcycle better.

If the engine refuses to start, perform the following inspections to determine the cause.

1. Make sure there is enough fuel in the fuel tank.
2. Whether the oil pump is working normally.
3. Whether the fuel flows from oil tube to throttle valve via oil pump.
4. Drain the fuel from the throttle gate valve and turn the fuel valve in the “” position and check whether there is fuel.

5. If sure fuel supply is no problem, ignition system should be checked next.
6. Remove the spark plug and reattach it to the high- tension cable.
7. While fastening the spark plug firmly against the engine , push the starter switch or depress the kick kickstart with the ignition switch in the “ ⤵ ” position, the engine stop switch in the “ ⤵ ” position too, the transmission in neutral, and the clutch disengaged. If the ignition system is operating properly, a blue spark should jump zcross the spark plug gap. If there is no spark, consult your across dealer for repairs.

! WARNING :

When you inspect or operate of the fuel system, please keep away from the fire, don't smoke.

ENGINE STALLING

1. Check the fuel and oil supply in the fuel tank.
2. Check the ignition system for intermittent spark.
3. Check the engine idle speed.

! CAUTION :

Don't make the fuen flow everywhere, any fuel should be collected in a container. No fuel approaches engine and exhaust pipe at high temperature. This check should be performed as far from fire as possible. Meanwhile no fuel approaches fire or heat.

Don't fix spark plug close to cylinder head when performing the check, because vaporising fuel in the cylinder may ignited by spark and to cause a fire. To minimize possibility of electric shock, metal part of spark plug casing should attach to bared metal part of motorcycle. To avoid electric shock, a person suffering heart disease or wearing cardiac frequency modulator is forbidden from doing this work.

! NOTICE :

Before troubleshooting, it's better to consult with the dealer. If your motorcycle is still in the guarantee period. Before you are readying to repair, you must be consult your clealer. For it may affect the warrancy content when you disturb the vehicle during the guarantee period.

Troubleshooting example

Malfunction		Cause	Remedy
Engine refuse start		<ol style="list-style-type: none"> 1.Engine stop switch didn't open. 2.No fuel in the fuel tank. 3.Fuel tank switch isn't open. 4.Fuel tank switch was clogged. 5.Fuel hose was clogged. 6.Spark plug failure. 	<ol style="list-style-type: none"> 1.Open the engine stop switch. 2.Fill the fuel oil. 3.Open the fuel tank switch. 4.Clean fuel tank and fuel tank switch. 5.Replace the fuel hose 6.Replace spark plug.
Engine hard start or stall easily	Poor sparking or no sparking	<ol style="list-style-type: none"> 1.Dirty spark plug. 2.Defective magneto. 3.Turn off ignition coil. 4.High tension cable leakage. 5.Matter of ignition coil. 	<ol style="list-style-type: none"> 1.Clean spark plug and dry it. 2.Maintain magneto or replace 3.Inspect the circuitry and connect. 4.Replace high tension cable. 5.Replace ignition coil.

Troubleshooting example

<p>Ignite the engine but still can not start</p>	<p>Engine</p>	<ol style="list-style-type: none"> 1. Intake pipe leakage. 2. Wrong ignition timing. 3. The battery is low or no power. 4. Wire port is unconnected. 	<ol style="list-style-type: none"> 1. Check the leakage and change the gasket fastening the bolt 2. Readjust the ignition timing 3. Battery charging. 4. Check the wiring harness port and connect.
<p>Ignite the engine but still can not start</p>	<p>Remove the spark plug , and check the electrode</p>	<ol style="list-style-type: none"> 1. If the spark plug is wet 2. If the spark plug is dry 	<ol style="list-style-type: none"> 1. Using dry cloth to wipe, and calibrate the spark plug gap, or replace the spark plugs. 2. Please ask the dealer to check your motorcycle.

Troubleshooting example

Engine run badly	Poor engine low idling speed	<ol style="list-style-type: none"> 1. Wrong valve clearance. 2. Wrong ignition timing. 3. in-take tube loose or gasket leak. 4. Weak sparking plug or no sparking. 	<ol style="list-style-type: none"> 1. Adjust valve clearance to 0.05mm, and check screw of rocker whether damaged or not. change if it be 2. Readjust the ignition timing. 3. Change the in-take tube gasket and fasten screw. 4. Handle it refer to “weak sparking plug or no sparking”
	Poor performance of engine high-speed	<ol style="list-style-type: none"> 1. Wrong ignition timing. 2. Wrong valve clearance. 3. Fuel used up. 4. Oil tube blocking 5. Wrong valve timing. 6. Valve spring failure. 	<ol style="list-style-type: none"> 1. Readjust the ignition timing. 2. Readjust the valve clearance to 0.05mm. 3. Fuel charging. 4. Change the oil tube. 5. Readjust the valve timing. 6. Change the spring.
Engine noise	Valve noise	<ol style="list-style-type: none"> 1. Valve clearance is big. 2. Valve wear 	<ol style="list-style-type: none"> 1. Readjust the valve clearance 2. Repair or change the valve clearance

Troubleshooting example

Engine noise		<ol style="list-style-type: none"> 1.Piston, valve wear. 2.Cylinder carbon deposit. 3.Piston pin and hole wear. 4.Clutch spring failure. 5.Chain wear. 	<ol style="list-style-type: none"> 1.Change piston, valve. 2.Clear the carbon deposit. 3.Replace the piston and piston pin. 4. Replace 5. Replace
Normal spark plug	Bad cylinder compression	<ol style="list-style-type: none"> 1.Loose starting arm assembly can not drive the engine. 2.Valve clearance is too small. 3.Valve block. 4.Cylinder or piston ring wear. 5.Damaged cylinder head gasket. 	<ol style="list-style-type: none"> 1.Retighten the starting arm; change if damaged. 2.Adjust the clearance to 0.05mm. 3.Clean the carbon deposit. (professional staff) 4.Change gasket. (professional staff) 5.Replace the senling gaoket. (professional staff)

†、CLEANING AND MAINTENANCE

Prop the main stand before cleaning the motorcycle, and be sure that stop steadily be ready for buckets, towels, and neutral detergent, and successive cleaning various parts of the body. After cleaning, dry all parts of the body with a clean rag gently do not wash by increasing the water pressure. And be careful not to immerse the carburetor, fuel tank electric equipment muffler and other components into water.

If you do not use motorcycle exceeded 60 days, clean it first and do some measures for maintenance to avoid damaging the motorcycle.

Before and after cleaning

1. After the engine and emission cooled, use the plastic bag to cover the emission hole.
2. Make sure all caps, lid, electric connector, including the sparking cap could be fixed firmly.
3. Use the water, towel (if hard to clean, then could use toothbrush or bottlebrush), detergent to wash motorcycle and the oil stain on crankcase. But do not paint this kind of wash material on seal, gasket, sprocket, driving chain or axle. It must wash the dirty and detergent cleanly.

4. After cleaning, it should dry the motorcycle by using leather or good water absorbability towel.
5. Dry the transmission chain at once, and coat lubrication to prevent rust.
6. To prevent rust, we suggest to paint the rust inhibitor on all metal cover, including the chrome nickeling surface.
7. Use the spray lubricant as the cleaner, to remove all rest dirty.
8. To wax on all painting surface.
9. After the motorcycle dried all, then to start the second keeping.

Carefully

1. Drain the fuel tank, oil tube, and the existence of oil in the carburetor.
2. Take down the empty fuel tank and add a cup of four-stroke oil, shake so that the fuel tank completely be put a layer of oil. pour the oil, and replace the fuel tank.
3. Remove the spark plug and pour and pour a spoon of oil into the cylinder, replace the spark plug and run the engine several times (ground the spark plug and high voltage respectively), so that distribute the oil on the cylinder wall well.

4. Lubricate all control cables and all handles, side stand, main stand connections.
5. After inflating the front and rear tire, use the appropriate to prop up the front and rear wheels. Make sure that motorcycle be in a stable position and maintain the tire inflation regularly.
6. Cover the emission hole by plastic bags to prevent the water and gas into.
7. If kept in a place where high humidity or salt, please coat a thin layer of oil on all the metal surfaces. Pay attention not to coat the rubber parts and seat to prevent the a going.
8. Remove the battery to charge and put in a dry place. charge one at least, and do not put at hot(exceed 30)or cold(below 10)place.

! WARNING:

When using motor start engine, it must dismantle the high line and take iron respectively in order to avoid producing sparks.

! NOTICE :

Do not put the motorcycle into the room with poor ventilation, or cover the waterproof cloth before it is dry completely. Otherwise, the water and humidity will be easy to enter into motorcycle to cause rust.

! NOTICE :

Please make the necessary repairs before storing the motorcycle.

十一、TECHNICAL SPECIFICATION

Carload parameter		Wheel and brake	
Overall length	2100mm	Front shock-absorber	Hydraulically telescoping
Overall width	780mm	Rear shock-absorber	Spring oil resistance
Overall height	1100mm	Turn angle	left/right $\leq 48^{\circ}$
Wheelbase	1300mm	Front tire	2.75-18
Minimum ground clearance	140mm	Rear tire	3.00-18
Unloading weight	128kg	Front tire pressure	200kpa
Max loading capacity	150kg	Rear tire pressure	225kpa
Max. speed	≥ 95 km/h	Front brake	Disk brake
Max. accelerated noise	≤ 77 dB (A)	Rear brake	Drum brake
Minimum oil consumption	≤ 354 g/kw. h	Brake fluid	Dot3 / Dot4
Climbing ability	$\geq 19^{\circ}$	Tire rim (front/rear)	Light alloy/Light alloy
Starting performance	≤ 15 s		

Engine

Model	Air cooling, four-stroke
Cylinder	Single
Bore×stroke	62mm×53.8mm
Displacement	162ml
Compression ratio	9.8 : 1
Spark plug	CPR6E
Standard power	9.5kw/8000 (r/min)
Max torque	13.0N·m/5500 (r/min)
Idling speed	1400±100 (r/min)
Ignition method	C.D.I
Lubricant method	Pressure and spray
Lubricant	SAE15W-40
Carburetor	PZ27

Transmission system

Clutch	wet type, multi-plate
Transmission gear ratio	(five-gear international)
Primary reduction ration	4.055
Final reduction ration	2.533

Transmission gear ratio

One gear	2.909
Two gear	1.867
Three gear	1.389
Four gear	1.150
Five gear	0.955

Electric system

Start method	Electrical and kick
Headlight	12V 35W/35W
Front position light	12V 3W
Tail light/barke lamp	12V 0.26W/1.2W
Turn signal lamp	12V 0.26W
Speedometer	12V 0.3W
Oil lever signal pilot light	12V 0.3W
Horn	12V 3A
Battery	12V 7Ah
Fuse	Leader cable 15A

Fuel and capacity

Fuel	Gasoline (93 or above)
Capacity of fuel	16L(1.6L Spare)

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